

SIERRA FOOTHILLS AMATEUR RADIO CLUB



NEWSLETTER

Volume XXXIV Number 7

July 1993

P.O. Box 3262 Auburn, California 95604

At the Key



PRESIDENT

KC6LIX

Jan Huttula

786-3530

VICE PRES.

KN6HF

Dave Thompson

389-8108

SECRETARY

KC6VGF

Scott Swanson

823-7209

TREASURER

KC6VGE

Jeannine Swanson

823-7209

DIRECTORS

Bill Aston

W6JDT

652-9038

W6RFF

Jettie Hill

783-0383

K6GKR

Gerri Metke

783-7610

Club's Nets:

All Welcome to Check In!

Wednesdays 7:30 p.m. 10M

On/Close to 28.415 Mhz

Thursdays 7:30 p.m. 2 M

2 M/220 K6ARR & Club

Repeater 2 M 145.430

(-600 KHzPL: 94.8) and 220

223.860 (-1.6 MHz)

Club Meetings: Second Friday

Each Month 7:30 p.m. Auburn

Fire Station, 226 Sacramento St.

Auburn, CA

Board of Directors Meeting

First Friday after Club Meeting

7:00 - 8:45 p.m., Denney's

Restaurant, Newcastle, CA

Newcastle Exit. Watch for

Exceptions

Club Breakfast: Last

Saturday of the month

(except in Dec.), 8:00 - 9:00 a.m.

Susie's Country Oaks Cafe,

Roseville HWY I-80 & Riverside

Exit

Club Meetings & Events

July 9	ARRL and SFARC*
July 14	VE Exam*
July 16	Board of Directors
July 25	Another Transmitter Hunt!*
July 28	VE Exam*
July 31	Club Breakfast
Aug 13	Antennas? Radios?*
Aug 20	Board of Directors
Aug 28	Club Breakfast
Aug 29	Club Picnic*
Sep 10	Radio Communications**
Sep 17	Board of Directors
Sep 19	Club Ham Swap
Sep 25	Club Breakfast
Oct 8	White Elephant Sale
Oct 22	Board of Directors
Oct 30	Club Breakfast
Nov 12	Elections*
Nov 19	Board of Directors
Nov 27	Club Breakfast
Dec 10	Christmas Party & New Officers Installation
Dec 17	Board of Directors
Dec 19	Club Breakfast

* See article inside this edition

** Tentative

Enhanced Print = Club Meeting Topic

What's in Here for You

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Kudos' go to so many of our members and friends, and the California Air National Guard - North Highlands for making Field Day 93 a very special, successful event. FD was a successful venture of operating with and side by side an emergency military service organization. Much thanks

President's Message, Cont. from pg. 1

goes to **KD6KCD Lee Norville**. Without KD6KCD's enthusiasm and operating dedication FD would not have been so special and positive. He was the operator extraordinary. Thank you Lee for bringing SFARC and the **California Air National Guard - North Highlands** together. The logistical communications with **Col. Fager and Chief Fields** were quick and easy because of Lee's personal efforts. What can be said about **Ernie Williams SRA, Rudy Martinez SGT, and Bruce Sleeper MSG**. Each represented the Air National Guard with pride and professionalism. FD participants gave them accolades. They recognized how excellently trained and skilled the Guardsmen were in electronics and/or radio communications. Their assistance, cooperation and abilities came in handy several times during this FD as SFARC operators tested their skills and the Guard tested its equipment over 36 hours of continuous operation (twenty-four hours of FD and twelve hours of set up and take down.) Thanks also goes to **KC6ASV Andy Downtell, TSGT, CANG-NH**, who checked on us from his own FD sight. **Kudos are due so many of our members who demonstrated such dedication and spirit in preparing for FD and throughout the event.** **W6PYX Jim Venneman** who worked with me and **AB6OP Jim Lomax** to ensure we received the benefit of his experience of wisdom. He checked on us from his own FD sight just in case we needed his help. **N6WXN John Green** allowed us to use his gear for FD even though he could not attend (Wedding Anniversary with the **XYL** naturally took precedence). He also took gear to the site and set up his equipment. Later he checked with us to ensure we knew how to operate his set up! **KN6MK Mike Sexton and K6BJS Puma Clements** came up and provided manual support. **K6BJS Puma** also gave operator relief on Sunday. **KN6MK Mike** tried to contact me on 20 meters for a Club contact. It just didn't happen. **AB6OP Jim Lomax** showed not only his committed operating skills but his technical coordination skills. He directed, assisted, and performed many of the antennae and start up operations. Jim Boy you were invaluable! Two gentlemen hams, **W6EBR Dick Wilkins** and **W6LOE Chuck Eders** who were the back bone of the set up crew. Between them and 6 meter operator **W6RCW John Webb**, they had everything necessary to stick it up, adjust it, repair it and take it down. Kudos guys you had us covered! Much thanks and appreciation goes to FD **Supervising Chef W6SUP Bob Metke** who also served as behind the scenes or not so behind the scenes organizer. (Yes, I still miss not having had lunch!) To our main **Chief Chef KC6RUO Matt Diridoni** --Mmmm thanks! You did a heck of a job on food preparation and service. However, **AB6OP** and I would like to talk with you about replacing the "fat" lenses on your Video Recorder. While the video record of this FD is excellent, the record made a few of us look than we believe we are. Thanks to **KC6TUX Chuck Sessom** for providing the comforts of home, different operating 2 meters, operating and keeping me company all night. Without **W6RFF Jettie Hill** CW contacts would have been almost nil. It appears the SFARC is in need of members who hold a

Novice class license. We could not locate any for a Novice station this year! My CQ's FD throughout the night kept Jettie from a restful sleep. Sorry--but I was having fun!! Special thanks also goes to **N6PMI Dennis Bartoldo, WB6RBE Dave Jenkins, and W6JDT Bill Aston** who came up and dedicated themselves to helping us get the contesting points we needed. **WA6HYO - Dick Lund** who came up and did a superb job of operating and working with those who wanted to learn more about field day operations. Special Kudos to **WA6ODK Frank Bird** who showed up to relieve us tired souls and help take down the antenna and pack things away for next year! (Reference pg. on the article for Field Day '93.) **Again, thank you to my fellow SFARC Field Day participants.** It had been twenty years since I had "worked" a field day. What a wonderful memorable experience FD '93 has become. Thank you!

I will miss the July 16 Board meeting. (I will be in Quito, Ecuador.) To my knowledge all other officers should be present thus business as usual is expected.

73's **KC6LIX Jan**

Board of Directors Meetings

Our **Club Secretary, KC6VGF Scott Swanson** has now become a hard core busyocrat as many of us have been toward the end of June and the beginning of July. (**KC6VGF** and the **Club Treasurer, KC6VGE, Jeannine**, have moved into that new home and are now busy working on their former residence.) So information herein is from **Board Member K6GKR Gerri Metke's** memory.

At the **June 11, 1993 Board of Directors meeting** a quorum was not present thus no motions were passed. **Topics discussed included:** 1) **Field Day:** The status of the budget allocation 2) **Club T-Shirts:** Dave Thompson proposed the Club expend approximately \$300-350 to have purchase approximately two dozen various sized blue T-shirts with white lettering. Dave's brother has a T-shirt business and would work to keep the costs reasonable (\$12 ea). The Board discussed it and determined the Club budget was not sufficient nor was there a sufficient profit margin to get an adequate return. Additionally, it may be best to get samples and bids. However, members may get T-Shirt and make partial or full prepayment directly to Dave or his brother. Over the past year, approximately two dozen people have consistently expressed interest in **pre-ordering Club T-shirts**. The T-shirts could be worn at special SFARC events - Field Day, Picnic, Community Service Events, etc. 3) **September Swap Meet:** Jim Lomax is currently in the initial stages of planning for the **September 19 (Sunday)** Swap meet. Budget needs and the fund raising goal are being developed.

July Club Meeting

W6RFF, Jettie Hill, Club Member and ARRL Liaison and Sacramento Section Manager, has arranged for a special presentation on by ARRL's "Chuck" McConnell W6DPD, Director, Pacific Division, American. W6DPD Chuck will summaries for us the various activities that ARRL is involved in and show a special video on ARRL headquarters and the function of its staff. He plans to give us in clear understanding of the value and purpose of ARRL in the daily operations of ammeter radio operations.

August Club Meeting

The Radio Place will be making a presentation on the latest Radio Gear and how it operates. There will be a display of various equipment! This promises to be an exciting meeting. Should we see something we couldn't live without, do we dare to bring our check books along?"

SFARC Fiscal Affairs - June 1993

Prepared by Club Treasurer KC6VGE Jeannine Swanson and Club President KC6LIX Jan Huttula.

Budget Item	1993 Est. Exp.	1993 Est/Act Rev	Current Balance
ARRL	\$ 74	\$	\$ 12
AUTOPATCH	\$ 120	\$	\$ 573
BADGES	\$ 90	\$ 90	\$ 3
COM SERV**	\$	\$ 150	\$
CORP. FEE	\$ 5	\$	\$
XMAS PARTY	\$1400	\$1200	\$ 961
FIELD DAY	\$ 225	\$	\$-186
GARAGE SALE	\$ 50	\$ 176	\$ 176
GENERAL FD	\$ 500	\$	\$ 238
INSURANCE	\$ 262	\$	\$
MEMBERSHIP	\$ 90	\$1260	\$
NEWSLETTER	\$1920	\$ 650	\$ 373
PICNIC	\$ 150	\$	\$
RAFFLE	\$ 960*	\$ 960*	\$ 30
RENT	\$ 165	\$	\$
REPEATER	\$ 600	\$	\$ 841
SNACK BAR	\$ 100	\$ 100	\$ 15
SUPPLIES	\$ 125	\$	\$
SWAP MEET	\$ 150	\$ 600	\$ 429
VE FUND	\$ 136	\$ 136	\$ 136
WHITE ELE.	\$	\$ 300	\$
WORLD RADIO	\$ 60	\$	\$
Total	\$7,182	\$5,746	\$3,555

* Estimated amounts ** Moneys earned by Club from providing communications Approximately \$1,260 is raised through Club dues. The remainder must be raised through fund raising activities. Moneys designated to specific areas is determined by past experience and approved by the Board. Proposed Club expenditures over \$100 must be approved by a vote of the membership.

July and August Newsletter Publication

Due to Field Day hitting at the same time that the final date for articles are to be placed in the newsletter, submissions were a bit late. Plus the publisher and alternate publisher were busy at Field Day and with after Field Day activities as well as busy with a few other non-club related obligations. Thus the July newsletter is arriving late.

Apologies to you all and the Postal Service who had nothing to do with the delay! For those of you who are not aware, KC6LIX Jan Huttula is only a temporary publisher of this newsletter. She accepted the job to institute the changes posed and passed by the Board of Directors for updates to the SFARC's newsletter, e.g. publishing an overall annual calendar of events on the first page of the publication, improving the quality of the print and ads, including a Sunshine report, having an ARRL incorporated into the same style and type as the rest of the newsletter, providing newsletter publishing criteria in each issue, including proposed and actual SFARC fiscal information, publishing changes in calls, complete new member information, and address changes, etc., adding pictures and cartoons where possible, printing members' radio advertisement in a special section of the newsletter, and utilizing an up-to-date newsletter publishing program. With this done, it is transition time. The July publication will be published by W6RFF Jettie Hill. He is a former publisher of the SFARC's newsletter and regularly attends all meetings. He is also the advertising chair for the newsletter. Thus, the information you will receive should maintain a high level of accuracy and timeliness. Being retired, his life is a bit more at his command and thus the newsletter publication date should not be significantly affected by a boss' desire to send him here or there. An added bonus, W6RFF does not have dyslexia, like your temporary publisher does. For the past two months (May and June) Club members have not submitted any technical articles. Consequently, it is time to remind those of you who have a lot to share in this area to submit to W6RFF technical articles by July 25, 1993 and the 25th of the month thereafter. The timeliness and quality is significantly interdependent upon the timely manner and the quality of ads and articles submitted. The newsletter publisher/editor sometimes ends up supplementing articles when few are submitted. Let's help W6RFF job be an easy one.

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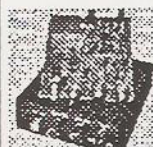
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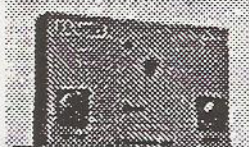
Detect static charges before they create problems and eliminate them the Static Watchdog emits a piercing beep when static is detected. The electronic leash is 2 units, a transmitter and a receiver that like to be together! When separated

by 15 to 30 feet the receiver emits a beeping tone!

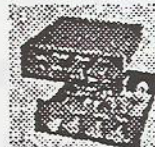
Watchdog \$4.95 Leash \$6.95

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M - F 9 AM to 7 PM Sat. 9 AM to 5 PM

SFARC'S June Breakfast

(Roseville, K6GKR Gerri Metke) Even though field day pulled several people away from the monthly club breakfast eleven members attended: **Doris Drumond** (Silent Key W6YHI Jack's XYL), **W3PMP Bob and Irene Greenslade**, **W6PWI Bruce and Helen Middleton**, **WA6FSO Lowell and Muriel Morris** and **K6GKR Gerri Metke**. The breakfast remains a good place to discuss club related events.

Sunshine Report

Travel: **KA6LNC John Tiernan** will off on a few adventures from July to October. He visiting friends and go'in fishin'! We will miss you. (Thanks for stopping bye on Field Day '93.) **WA6PCU Janet Kirby and N6ZSM Debbie Eirckson** who handle the Snack Bar at our meetings will both continue to be busy and vacationing during June and July. **KC6LOE Greg Huttula** returned from Hawaii on July 2. He again expressed his regrets he missed the fun of field day. (He watched the entire Video on it and appropriately **Woooo's and Ahhha's**. However, his absence was noted and several members are making plans for him regarding Field Day '94. **The KC6LIX Jan Huttula and KC6LOE** will be traveling to and visiting Quito, Ecuador from July 16 through August 6, 1993. Their exchange student, Jose Guarderas, recently returned home. It was advised Jose has an uncle who was or is an amateur operator.

Well Wishes: **W3PMP Bob and Irene Greenslade's son, Russ** was recently seriously injured while assisting a disabled vehicle on the freeway. Russ is a tow truck driver. A high speed freeway driver hit the truck and trailer Russ has just worked on. He was pinned under the flipped truck and trailer for some time. He will be months recuperating from the extent of his injuries. Members may send their well wishes to 5695 Arrowhead Dr., Rocklin, CA 95677. **KN6HF Dave Thompson** is to receive a few more final treatments. He remains in good spirits and attempting to put up his own 2 meter repeater antenna. Our well wishes remain with you!

VE EXAMS

(Roseville, W6SUP Bob Metke) **During June - VE team administered at total of 27 tests to 18 applicants. During July, the VE team will be administering two exams. One on July 14 (this exam is full) and the other on July 28, 1993 (this exam has room.) Contact W6SUP Bob Metke, (916) 783-7610 for test arrangements. Should you have any special testing needs due to physical or mental impairments, W6SUP's team is happy to work with you. Four California Department of Forestry and Fire Protection students are attending technical classes to learn how to install two 2 meters rigs in their vehicles.**

GUESS WHO'S SHACK THIS IS?

That video on Hams and their Shacks remains in the making and is to be available for sometime near January 1994 according to **W6SUP Bob Metke and KC6RUO Matt Diridoni**. Here is a glimpse at another Club member's Ham set up. This SFARC member, **WA6EMU Ken and KAFHE Nancy Weger of Colfax, CA**. Their Ham Shack is located in a corner of their living room. To Ken's left is the Ham radio gear including: a Kenwood TS-4303 All Band Transceiver, a Dentron Super Antenna Tuner with Watt meter, Dentron 160-10 Linar Amplifier with 4-811A tubes, Temp VHF One Plus two meter transceiver, CDE Ham Rotor to 4 Element Tri-Band Antenna a top 65" tower, All Band Sloper Antenna and an All Band Vertical Antenna, Messenger 223 Transceiver, Heath Weather Station.



To Ken's right is the computer station including: a 486DX-50 with 16MB-RAM MPC, a 17" Sony monitor, Laser & Dot Matrix Printers, DMP-29 Plotter, Digitizer and Mouse. This is an exceptionally nice set up!

If you would like your Ham Shack set-up pictured in the Newsletter, please submit a picture and description to the Newsletter publisher.

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DXPEDITION ?INT QRV?

("30" - Havana Moon) **Romeo, Romeo, wherefore Art Tho??** Well, it appears that **5A-0 Libya** was much "Ado about nothing." He appeared one day, listening on a 100 **KHZ Spectrum**, worked a few, angered everyone and then literally vanished. Whatever! **HZ - Saudi Arabia**. The seven zee one alpha bravo, **7Z1AB U.S. Embassy Club** station will be on the air a lot more, starting in mid-July. Put this one on your shopping list. QSL via **KN4F** as of now. **54 - Tanzania** Dust off your keys, kids. **Simon Browne, G0GWA** is in Tanzania for about 3 months. Should be signing **5H3FE** (or possibly **5H3FOE**). QSL home address or the **RSGB Bureau** after October. **3D - Rotuma**: World Traveler, (well at least all over the Pacific), **Ron Wright, ZL1AMO**, is at it again. Look for **3D 2RW/R**. QSL his home call: direct only! He has been heard on 7, 14, 18, and 21 MHz. **Hot...9M0S** has been approved for **DXCC credit**. May 26, 1993. Also, **4J1FS**, May 92, **5X1DX** and **5X1XX**, April 26 and 27, 1993. Well thanks "30" for this month, **"WFWL"** and wear your seat belt. **Good DX!** If you have any questions on **DX'er Privates**, drop a line to the Club Newsletter, in arc of "30" Havana Moon.

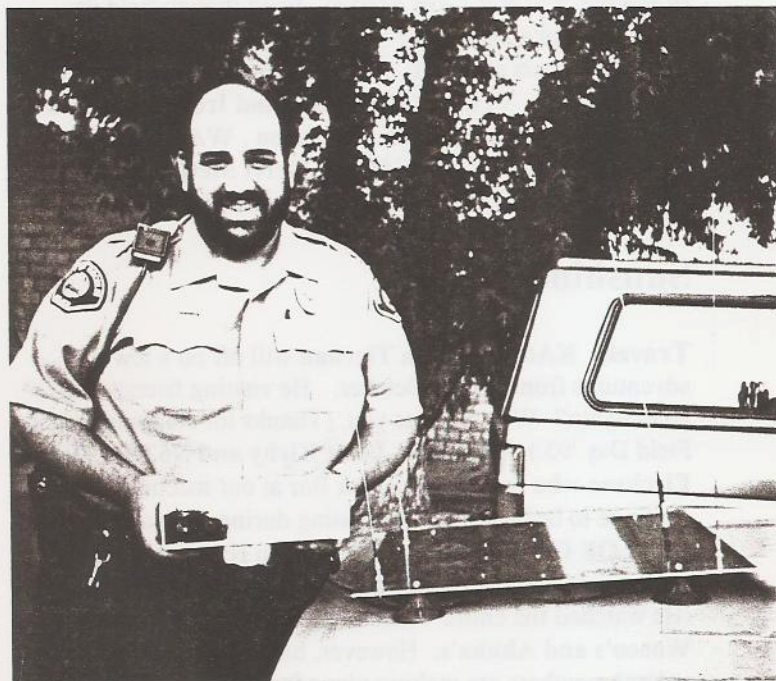
Rabbit (Transmitter) Hunt - June 20

(Roseville K6GKR Gerri Metke) **The first SFARC Rabbit Hunt was a roaring success deemed by those who participated.** The Harvey, the rabbit or transmitter **WA6ULL Bob Boeckman** was a challenge to locate. He hid the transmitter creatively. So if you found him you would be close to the transmitter but not there. The hunt began at 9:00 a.m. sharp and was to end by noon. Participants had until 12:30 to return to the **Auburn Fairgrounds, back entrance parking lot, with their prize designation information.**

Congratulations go to KC6RUO Matt Diridoni First Place winner who received \$15 in cash and who located the rabbit within 27 minutes, **Second Place winners AB6OP Jim Lomax and K6BJS Puma Clements** who shared "\$10 in cash, and Third Place winner **K6DGW Fred Jensen** and his **XYL, Andrea**, who received 15 Club meeting drawing tickets.

Each have a special story to tell about what occurred, how they were misdirect, and how their transmitter locators worked. For example, while **KC6RUO** was on his way to the hunt and while stopping for breakfast, he was questioned by the a couple of Auburn police officers about what he was doing and why he had such strange equipment in his car. **AB6OP Jim and K6BJS Puma** had a few problems with what was their right and what was their left. Their direction finder was mislabeled! The Boeckman's report they waved "hello" and "good-bye" to the guys a few times, before the two figured out what was the right right and what was the right

left. **K6DGW partner, XYL Andrea** became an active rabbit hunter with an opinion that took a while to be heard. When it was the "Rabbit" was located quickly. Each reported having an excellent time.



First Place Winner **KC6RUO** shows off his borrowed Doppler and mag mount antenna. Dopplers are simple to operate. There are no moving parts. No need to manually manipulate the antenna while you are driving. Dopplers are capable of obtaining directional bearings from very short, rapid signal bursts. Thus, Dopplers are excellent to locate mobile rabbits. However, if the signal is weak and/or falls below the RDF detection threshold. Also, Dopplers are not easy to operate if the transmitter hunt involves some foot work. The equipment is rather cumbersome to carry and operate. Additionally, Dopplers work best in situations where the transmitted signal is strong and vertical. **Next Hunt is July 25, 1993, Sunday. Read on.**



Rabbit (Transmitter) Hunt - July 25

(Roseville K6GKR Gerri Metke) **Another exciting hunt is planned for Sunday, July 25, 1993.** The hunt will again start at the **Auburn Fairgrounds, back entrance parking lot (Off Hwy I-80, Maple Street Exit, to Sacramento Street, right onto Auburn-Folsom Blvd., left into fair grounds parking lot.)** This event is open to SFARC members and any other licensed amateur radio operator. Participants must **pre-register**. A \$1 registration fee will be charged per a vehicle. Look for **K6GKR Gerri Metke**, who will be registering participants and providing the rules of the Hunt. **The Hunt will be from 9:00 a.m. - 12 p.m.** Participants have until 12:30 p.m. to return to the fairgrounds and give **K6GKR**

information on where they placed in the race (confirmation card from the Rabbit) and to share their experience with other participants. (Usually, several go out to lunch together to share their versions of what went right or wrong with the "hunt." The Rabbit, will again be WA6ULL Bob Boeckman. He will be sending out a steady carrier (1/2 Watt) and will be making an announcement to the hunters every ten minutes. The Club repeater will be monitored by K6GKR and may be used by participants during the hunt. For information on building easy transmitter locators, contact our SFARC technical advisors: WB6RBE Dave Jenkins, 791-7969, K6DGW Fred Jensen, 885-8251, and W6RFF Jettie Hill, 783-0383. Also, refer to the April and May issues of QST and last months winning participants. (See preceding article on June Transmitter Hunt.) Certificates of Recognition will be given the first, second and third place participants. If sufficient registration fees are received a cash award will be given the first place winner and hopefully other place winners. Refer question to K6GKR Gerri Metke, 783-7610. This event will be announced over nets and on packet.

Aug 28 Annual SFARC Picnic

(Roseville, W6SUP Bob Metke) The SFARC Annual Picnic in Meadow Vista City Park is fast approaching. One of the major events is the Amateur Radio VHF Mobile Check. For those of you who are already preparing for this event, following is the criteria that the judges will use to check your installation.

A. Grounds	Two hood grounds	(0)
(0) Tail pipe ground 2 or more points	One hood ground	(-1)
(-2) Tail pipe ground 1 point only	No hood grounds	(-5)
(-5) Tail pipe - no grounds	All ground points paint removed	(0)
(0) Motor block ground 2 points or more	All ground points paint not removed	(-3)
(-2) Motor block ground 1 point	All grounds brazed or soldered	(0)
(-5) Motor block - no ground	All grounds bolted only	(-5)
(0) Rear deck hinges both grounded	Heavy braid grounds	(0)
(-2) Rear deck hinges - 1 grounded	Light braid grounds	(-3)
(-5) Rear deck hinges - no ground	Wire grounds	(-5)
B. Antenna Location Center of roof (0)	F. SWR Measurements 1.2:1 or less	(0)
(-1) Center of rear deck	1.5:1 or less	(-1)
(-3) Rear top of fender	2.0:1 or less	(-2)
(-5) Rear side of fender	Over 2:1	(-10)
(-7) Front cowl or fender	G. Noise Suppression	Excellent (0)
(-9) Bumper mount - rear	Good (-2)	Fair (-5)
(-11) Bumper mount - front	H. Workmanship	Excellent (0)
C. Feedline Base Termination	Good (-2)	Fair (-5)
Split lead water proofed (0)	I. SWR Bridge	Permanently installed (0)
Split lead not water proofed (-2)	SWR Bridge - none	(-8)
Coaxial connector (-4)	J. Electrical Wiring	Through fire wall insulated or taped (0)
D. Security	No insulation or precaution	(-5)
Alarm, or rig removable or hidden (0)	E. Fuses Both leads fused	(0)
No security (-5)	One or neither leads fused	(-3)

This same criteria has been used in prior installation checks at the picnic contest. Knowing it in advance may give you the patience necessary to ensure you score well and win one of the available cash prizes.

This annual picnic is the **summer social event of the year** for the Club members and their families. An informal, picnic fun and games atmosphere abounds. The main course will be **Bar-B-Qued chicken and hamburgers with condiments furnished by the Club**. Members need only gather themselves, bring a pot luck item of their choice, their favorite beverage and eating utensils.

Wear comfortable clothing. There will be the typical lawn games and that special "Name that tune" event. This year it should be seasonally warm. (Last year it turned out to be a polar bear event.) More on the picnic will be contained in the August newsletter and announced over nets and packet.



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Anyone with questions on the picnic are encouraged to contact W6SUP Bob Metke, 783-7610 or on the Club's 2 meter repeater frequency.

Renewal/New Members/Changed Calls

* = Associate ** Honorary + Renewal

NTBG = No tel. # given

INA = Info. Not available at time of Publishing

Charles B. Korf
130 Hillmont St.
Auburn, CA 95603
(916) 887-1235

Members who receive changed calls, new addresses, and telephone numbers, please be sure to notify the Club Treasurer or Newsletter editor so this key information may be published to fellow members. Also, if you are a new member who has not received a newsletter and/or your membership has not been published, contact the Club Treasurer so the record may be amended and the Newsletter editor and Net Controls will receive this information.

SIERRA FOOTHILLS AMATEUR RADIO CLUB - EXCEPTIONAL MEMBERS

Emergency Services Coordinator:

K6BJS-Puma Clements..783-5171

2Meters/10 Meters/Packet/DX Operator+

Public Relations/Special Services:

AB60P-Jim Lomax..334-4887

2 Meters/10 Meters/Packet/40 Meters

Amateur Radio Technical

Advisors:

W6RFF-Jettie Hill....783-0383

K6DGW-Fred Jensen....885-8251

W6SUP-Bob Metke.....783-7610

WB6RBE-Dave Jenkins..791-7969

Repeater Liaison:

K6HLO-Doc Metke....791-0818

Net Liaison:

KC6LIX-Jan Huttula..786-3530

Nets Control:

2M/220

WA6HYO-Dick Lund.....885-3190

WB6RBE-Dave Jenkins...791-7969

AB60P-Jim Lomax.....334-4887

KN6MK-Mike Sexton....637-4509

KA6GQW-Arron Barstis..483-1073

10 Meters

KD6CMX-Shannon Parrish...878-1433

KM6KV-Bill Parrish.....878-1433

ARRL, World Radio & Special

Service Club Liaison:

W6RFF-Jettie Hill..791-7969

VE Team and Radio School Chair:

W6SUP-Bob Metke..783-7610

Parliamentarian:

W6RFF-Jettie Hill..783-7969

Fund Raising Events Chair:

K6GKR-Gerri Metke..783-7610

Property Audit and Managers:

KN6MK-Mike Sexton..637-4509

KC6RUO-Matt Diridoni..878-8534

By Laws Committee:

W6LOE-Chuck Eder..966-2004

W6RBE-Dave Jenkins..791-7969

Fiscal Records Auditors:

WB6RBE-Dave Jenkins..791-7969

W6JDT-Bill Aston..652-9038

Elections '94 Chair

K6BJS-Puma Clements..783-5171

Club Meeting Snack Bar Committee:

N6ZSM-Debbie Erickson..652-6978

WA6PCU-Jan Kirby..983-2466

Club Drawing Committee:

KN6HF-Dave Thompson..389-8108

KM6MK-Mike Sexton..637-4509

COMMUNITY SERVICE COMMUNICATIONS

(Sacramento, AB60P Jim Lomax) SFARC members were thanked in the following letter by Gary A. Prince for their participation in the Rocklin Jubilee Parade on July 3, 1993, 7:45 a.m. - 12:30+p.m. Thanks goes to KC6RUO Matt Diridoni, who facilitated the arrangements of approximately a dozen SFARC members participation in the Rocklin Jubilee. Participants reported that it is well-organized event and that is a pleasure to work. However, N6PMI Dennis Bartoldo stated he never did receive the Golf Cart with automatic cruise control that he requested! Better luck next time Dennis with your special treatment request. We hear you wore out a pair of shoes!



Rocklin Police Department

Gary A. Prince, Chief of Police
4050 Rocklin Road
P.O. Box 1138
Rocklin, CA 95677
(916) 632-4060
FAX 624-2677

July 9, 1993

Sierra Foothills Amateur Radio Club
c/o Janet Huttala
1222 San Simeon
Roseville, CA. 95678

Dear Ham Radio Operators,

On behalf of the City of Rocklin and the Rocklin Police Department, I wish to thank all of you for your help with the 1993 Centennial Jubilee Parade. Your club has proven to be of great value to the citizens of Rocklin.

I hope to see all of you at our next Jubilee.

Cordially,

Gary A. Prince
Chief of Police

Please remember to coordinate all Community Service Events by contacting AB60P, SFARC's Special Services Coordinator, 334-4887. If he is not available contact, KC6LIX Jan Huttula, 786-3530, or KA6LNC John Tiernan, 885-6297.

Election of '94 SFARC Officers

(Roseville, K6BJS Puma Clements) As your Elections '94 chair it is time again to think about nominations of new Club officers. While we have our election of officers at the November Club meeting, we are required by the bylaws to start soliciting nominations. Early solicitation of nominations also allows Club members the opportunity to review each candidates credentials to hold office and the level of his/her interest to serve all members. Thus, any of you interested in

running for office are encouraged to submit to me your name and information about yourself and what you believe you have to offer SFARC. This information will be published within the SFARC newsletter up to the date of the election. Additionally, a ballot will be prepared with this information shown on it. Thus, anyone entering the candidacy race just before the elections at the November meeting will not have the advantage of demonstrating their abilities and motives to hold office. While no prior experience in holding an office in a Club, knowing Robert's Rule of Order, and/or being a technical radio expert is not necessary to become a club officer, each position has specified duties and takes a strong constitution to oversee the welfare of the diverse and "sometimes diverse" opinionated membership. Thus, persons running for office should be willing to: attend Club and Board of Director meetings, devote the time necessary to fulfill the scope of the position responsibilities, work for the benefit of the Club, work as a team player with other club officers and fellow club members. Anyone running for office will have a tough act to follow this year's wild and crazy bunch of desperadoes, but then again some of you are even more wild and crazy. Following is a summary of positions duties:

President: Presides over meetings make necessary appointments ensure fiscal, responsibilities of club funds, ensure compliance with bylaws.

Vice President: Serve in absence of president's awareness for trainer, program arranger.

Secretary: Take and report the Club and Board meeting minutes.

Treasurer: Perform Club fiscal accounting and prepare and report membership lists. Make treasurer reports for meetings and newsletter.

Board of Directors: Represent the interests of all club members at Board meetings.

Club/K6ARR 2M Controller Updates

(Auburn, K6ARR Jim Carman) The new repeater controller RC-100 by Micro Computer Concepts in Florida. Numerous functions are available. The best feature improvement is simple coding for the phone patch. The Autopatch includes a 32 slot autodial. (Actually, 31 user slots 00-30, (computers start counting from 00). Slot 31 dials 911. Will restrict the programming to a control operator. Right now that's me I guess, call on the air, or by phone and I will program one for you. I will keep a list of slots and the numbers so we will not have a mix up and write over someone. Right now my home number is slot 00, and time is 30, this could change. There is also a reverse patch, but for now it is disabled. A word about the use of the patch. Since this is not Cellular Phone and does not cover everywhere, check your signal quality. If you are not making the repeater with an almost full quieting signal, wait and find a better spot. A signal that is fluttering or breaking up from movement is very hard to copy on the air and harder for some on the phone to hear. There is also risk of mis-dialing. It is really safer to find a good place and stop

to make the call. If the repeater comes to you with a good signal, you are probably good into it. When functions are accessed the controller acknowledges with a two tone signal after the tail beep, low-high for on or enabled and high-low for off or disabled. The squelch tail beep is a bit different, it can take several forms, up to four tones or a CW character. I might change it from time to time to suit my shims! The CW IDer is about the same, tone frequency is different.

When a P appears at the end it means PL is in use, D means repeater disabled. There is an "Anti-kerchunk" feature. If the repeater is idle for 15 seconds, requires a 1 second carrier to bring it up. After this it works normally until idle for 15 seconds again. This is of an use with PL, but for open carrier it can be of use if there is a weak signal that is not holding it up. There is one page of control codes for all the features, and everything changed on the air. Code access will be disabled if someone accidentally or purposely tampers with them.

Summary of user and control codes: Autopatch: *41 then number, drop carrier patch will connect and dial. Will hear dial tone a series of beeps and the ring. Use *44 if you don't want to be heard. Time out is 3 minutes, 10 second signal before time out, 4 resets, #4 resets patch to redial without access codes. #1 is disconnect. Autodial, * plus slot number, then same as above. Others: #0, tone pad test, responds in CW with number or letter for each key, * is S # is P. #1, disables, or it will time out if idle for 15 seconds, #9, forces CW ID, *1A anti-kerchunk feature, toggles on/off, A*D, PL on; A#D, PL off, if they don't work they are disabled, a control operator will have to do it.

User Code List Autopatch:

Access #41 Plus number, drop for connect and dial
Dialing : *44 Plus Number, same with User Mute

Reset Timer: 4 (signals 10 seconds before time-out)
Disconnect: #1
Reset Autodial: #4 (Redial without connect code)
Autodial: *XX where XX is slot number

Other:

Force ID: #9
Tone Pad Test: #0 (Send each key, drop between, returns CW of Key sent)
Anti-Kerchunk: *1A (Needs 1 sec. Key-up if idle for 15 sec.)
Link On: *45
Link Off: #2
A Equiv. #7 (for use with 12 button pads)
D Equiv. #8 (For use with 12 button pads)

PL On A*D (works only if control codes are enabled)
PL Off: A#D (works only if control codes are enabled)

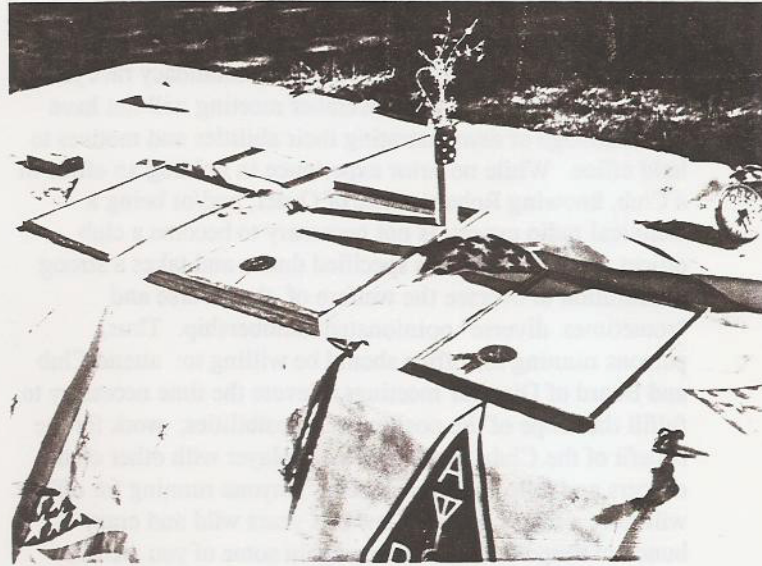
MEMBER SURVEY

Twenty six persons answered our May through June Members Survey. Here is the results: Favorite Nets: 40M, 10M, and 2M. Favorite Bands: 20M, 15M, 10M, and 2M. Most frequent times of operation mornings on the way to work, evenings and weekends. Weekends were noted as the most active time of operation. Hmm m...wonder who mows the lawn and pulls the weeds? Kenwood and Yaesu were SFARC'S favorite brand of equipment. Most of the members who answered the survey were those who regularly attend Club meetings. They expressed an interest in almost every topic and activity listed. e.g. Field Day, Rabbit Hunt, Net Control, License Upgrade Testing, Club Auto Patch Use, Newsletter Info., Club Breakfast, Garage Sale, Christmas Party, Election of Officers, DXexpeditions, Community Service Events, Club Repeater Use, Swap Meet Info., ARRL Info. VE testing Info. White Elephant Sale, Picnic, Radio Legislation Info.. Activities of least interest to some were Election of Officers, Net Control, Club Breakfast, Business/Training Presentations. Months of least meeting attendance where the summer months due to busy schedules. Most responded having an interest in working Bike Races, Running races, and parades. There was less interest in serving as communications workers for Public openings, walkathons, equestrian events, and building watches. The information provided on the survey will assist SFARC to target tapping into those members who are the most motivated, skilled, and available for public service events and will assist in determining future programs. **Thanks to all of you who took time to answer this solicitation of YOUR WANTS.**

SFARC's Field Day Results

(Roseville KC6LIX Jan Huttula) **Field Day (FD) '93 was a pleasant social event mixed with a few pretty tenacious contester types.** About a dozen public members, several club members and want-to-be Hams came up to visit us and see what FD was all about. A **public information table** which is pictured below displayed the **three proclamations** the Club received acknowledging Field Day and the significance of Ham Radio Operators in emergency communication situations. Also, was a special handout on FD '93 SFARC and the California Air National Guard - A Collaborative Teamwork Approach. The display included numerous handouts on SFARC, amateur radio, and ARRL publications.

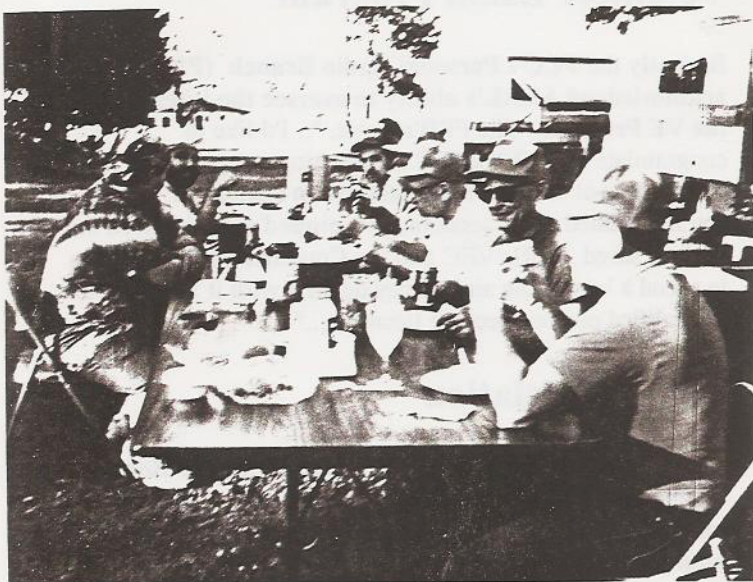
The Cities of Auburn, Rocklin, and Roseville presented proclamations to the Club. (Special Thank you's go to Club members **KA6LNC John Tiernan, Auburn, K6GKR Gerri Metke, Roseville, and KC6RUO Matt Diridoni, Rocklin.** Each solicited the proclamations on behalf of SFARC's Field Day.)



The picture above shows the public display table. The picture below shows **K6GKR Gerri Metke SFARC Board of Member and KC6LIX Jan Huttula, SFARC President** receiving the proclamation from **Mayor Bill Santucci of Roseville.**



The Through the day and throughout the evening hours you could hear one of the two and sometimes three voice stations calling "**CQ Field Day W6RFF -Whisky Six Romeo Fox Trot Fox Trot - Sacramento Valley.**" Approximately 500 contacts were made. SFARC used battery, solar and generator power to make its contacts. The most active bands were 10M, 20M and 40. **W6RCW John Webb** did an outstanding job making sufficient contact points on 6 meters. No Novice station could be operated this year because the Club doesn't have any Novice members. **W6SUP Bob** has done such a good job encouraging and testing members, we are temporarily lacking in Novice members. Following is a picture of a few of our members taking a break in field day activities.



Field Day chow downers are left to right around the table **KC6KCD Lee Norville**, **KC6RUO Matt Diridoni (Chef Hat)**, hidden from view **W6LOE Chuck Eder**, **AB6OP Jim Lomax**, **KC6LUX Chuck Sissom**, **W6SUP Bob Metke**, **W6RCW John Webb**, and **W6EBR Dick Wilkins**. Sorry no pictures were available on those who attended the Sunday Pot Luck Visit FD'ers Event.



This is a picture **KC6KCD Lee Norville** showing California Air National Guardsman **Bruce Sleeper** how to operate **N6WXN John Green's** gear. A Kenwood TS440S with keyer, mike, and computer logging system.

The California Air National Guard did a superb job of providing SFARC with generator power and sustaining that power throughout all of field day activities. The Guardsman showed us how to operate their equipment. We in turn demonstrated to them how Amateur Radio equipment was operated. This sharing will be essential for our members to assist in emergency communications operations. The

overwhelming opinion was working with the California Air National Guard - North Highlands made field day truly fulfill its purpose. What is the purpose of field day? It is a 24 hour training and contest exercise in communicating over amateur radios. It a demonstration and test of a simulated "emergency" communication set-up. FD allows dedicated amateur radio operators to test their skills, to work with emergency organizations, and to test individual operator's stamina under simulated "emergency" band conditions, and show the public what amateur radio is all about. When major disasters destroy normal means of communication, Hams work with emergency organizations to set up temporary emergency communication systems. Hence, we have initiated a positive, necessary working relationship with ANG-NH. The three fellows that joined us, **Ernie Williams SRA**, **Rudy Martinez SGT**, and **Bruce Sleeper MSG** were professional experts in their area. We enjoyed a very positive, productive training experience. Our appreciation goes out to these fellows they worked hard and kept the generators going by taking five hour around the clock shifts. They had the added task of keeping **KC6LIX Jan** and **KC6TUX Chuck** company during their all night operations.

What Happens to the contest results from Field Day? **W6RFF Jetti**, **AB6OP Jim** and **KC6LIX Jan** worked together on the logs Monday, July 6, 1993. Soon a complete Field Day package will be sent to ARRL. **W6RFF** will be submitting the package to ARRL before the months end.

An outstanding VHS video of field day was prepared by **KC6RUO**. What is outstanding about it? It captured all phases of field day, from set up through operating and meal times to take down. It also shows key operators demonstrating their skills and/or letting viewers know what equipment they are operating. At the August Club meeting we will have a showing of this video along with the regularly scheduled program.

How About Field Day Next Year

Suggestions are already coming in for next Field Day. While the suggestions are not necessary in one vein or another, the suggestions offer good food for thought for next year's organizers to ponder. Consider this....have the FD sight on a remote area for example at Texas Peak Hill or across the freeway from Nyack. Neither of these locations have any amenities and sizable generators would be hard to pack in. But both would have a better altitude than Nyack, are away from power lines, and are excellent for contesting efforts. Neither are good for visitors from the public. (The Club makes 100 points from its public relations efforts.) Consider having the Field Day operation from a major shopping center similar to what some clubs in the Los Angeles area and Hawaii did this year. This would gain greater attention to our public awareness of amateur radio communications. Consider having the Pot Luck dinner earlier in the evening so when 40 meters opens up, key operators are not distracted from operations. Consider having the Pot Luck Sunday and as a brunch. This might draw more people and draw people

to assist in take down. Consider operating two major stations that work all bands and have both voice and CW set up. The other stations would be monitoring and take over specific designated bands not operated by the major designated stations. Build upon prior year organization and equipment efforts. Ensure the next field day has sufficient stations to allow serious contesters, socializers and learners. Ensure its fun for those who are three to ninety!

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RETAIL & COMMERCIAL SALES



ARRL REPORT

(Roseville, W6RFF Jettie Hill) **ARRL Section Manager Election Results:** Beginning October 1, 1993, Our own Jettie Hill will again serve as ARRL Section Manager, Sacramento Valley Section. He was re-elected by a landslide (no one else had valid nominations!) Can we guess who was his Campaign Manager or who was the other guys Campaign Manager?"

Frequency Proposals: In April, the Federal Communications Commission (FCC) made proposals on amateur auxiliary station (point to point) packed backbone networks as well as made proposals on point-to-point fixed communications. These proposals are to alleviate, frequency congestion experienced by amateurs in certain areas of the country who operate in 222-225 MHz.

On June 15, the ARRL filed comments on the allocation of 219-220 MHz, e.g. this additional spectrum is "urgently needed.". ARRL supports the FCC proposal to allocate these bands on a secondary basis, nationwide, and with a only minor exceptions.

Volunteer Exam Program

Recently the FCC's Personal Radio Branch (PRB) acknowledged ARRL's ability to oversee the integrity of the VE Program. The PRB's wrote, "...I'd like to congratulate the ARRL/VEC for catching irregularities in code testing at several recent sessions in California. When you invalidated those sessions, you nipped a problem in the bud. It saved ARRL/VEC and the Commission from having to spend a lot of time and money dealing with it after possibly unqualified persons became licensed...."

Radio Legislation

A Senate Joint Resolution 90 by Senator Charles Robb of Virginia now has four more co-sponsors. SJR 90 (and House Joint Resolution 199) recognizes radio amateurs and supports amateurs "as national policy." It urges that regulations "facilitate" amateur radio operators as a "public benefit." Eight Senators and 41 Representatives are now co-sponsors. Senator Doolittle is also a co-sponsor and one of the originators of the resolution. However, neither of California's Senators yet support the Resolution. Call your Senator and urge co-sponsorship. Call Representative Doolittle acknowledge his support and thank him. Let him know you are an amateur operator, ARRL member and SFARC member! See the May 12, 1993 ARRL Newsletter for the full text of this resolution.

FCC NEWS

The FCC has decided to place Novice class examinations under the Volunteer Examiner Coordinator program. As with other class amateur license exams, responsibility for both preparation and administration of Novice exams will lie with the VEC system. The FCC announced this will be done "in the interest of integrity, simplification and efficiency. The commission also will allow recovery of out-of-pocket costs for coordinating and administering the exams. The examination elements required for the Novice license are already being administered in the VEC system. Because these requirements are the same as for other classes of amateur licenses. This action was taken May 3, 1993 (PR Docket 92-1154). No implementation date has yet been announced.

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K6ARR AND WB60HV REPEATER INFORMATION

FREQUENCIES:

Repeater	Output	Input	PL
K6ARR/R	145.43	144.830	94.8
WB60HV/R	223.860	222.460	
K6ARR/R	440.575	445.575	94.8

KC6VWM Mike Carpenter (916) 944-7302

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SFARC NEWSLETTER

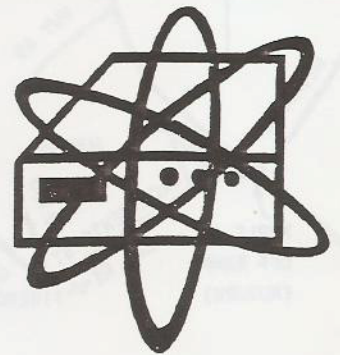
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Submit Articles, letters, and personal classified radio gear advertisements to: Editor, SFARC Newsletter, 1222 San Simeon Dr., Roseville, CA 95661 (916) 786-3530. The classified ads are limited to four lines. Articles that members seek to have published in the next edition of the newsletter must be submitted no later than the 25th of the month. For Business, Non-Personal Advertisements contact SFARC Advertising Editor, W6RFF Jettie Hill, 306 Saint Charles Crt., Roseville, CA 95661 (916) 783-0383. Full page ads to three line ads are available. Reasonable rates are offered on advertisements and on graphic designs for ads.

The Sierra Foothills Amateur Radio Club (SFARC) is committed to...promoting radio knowledge...encouraging fraternalism...enhancing operating efficiency...and advancing the general interest of Amateur Radio. SFARC is a Special Service Club and is associated with the American Radio Relay League (ARRL), the premiere Amateur Radio advocacy organization.

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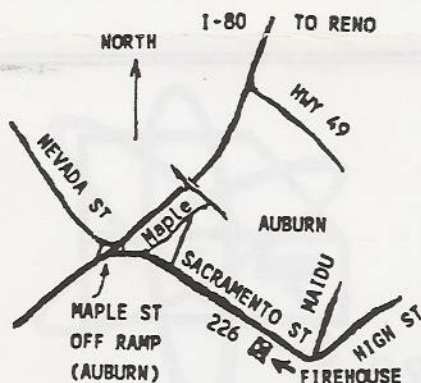
License 23668

SIERRA FOOTHILL AMATEUR RADIO CLUB MEMBERSHIP APPLICATION

Membership is valid from the date received until December 31 of that same year. Member: Dues \$12; holds valid Amateur Radio License, may vote in elections; may hold elective office. Associate Dues \$5; resident in the household of a regular member, pays Associate dues, may vote in elections; may hold an elective office if holds a valid Amateur Radio License. Note: Renewing your ARRL membership through SFARC's membership application process costs the same but allows SFARC to receive the benefit. Fill in or circle appropriate response on application form. * = This information will be used in Club's Membership Roster unless indicated otherwise. Club Roster is published in the March and October issue of the Newsletter. Renewals, new members, changed calls are published monthly. Mail Application to: SFARC Treasurer, P.O. Box 3262, Auburn, CA 95603-3262.

Member Name *	Birthday Mo / Day *	☐ Yes ☐ No World Radio Member	NTT+GAE Class	App Date
Address *	Call Sign *	☐ Interested World Radio	Years at this Class	☐ Yes ☐ No Rtn rpt reqd
City State Zip Code	☐ Yes ☐ No ARRL Member		Years as a Ham	☐ * \$12.00 = New Member renewal
Work Phone * Home Phone *	☐ Life Member ARRL Member	Favorite Bands	Net 80 40 20 15 10 2 220	☐ * \$5.00 = New Associate renewal
Fax * Pager *		Operating Times	Packet MBX frequency	Repeater Donation
Name *	Birthday Mo/Day *	☐ Yes ☐ No World Radio Member	NTT+GAE Class	Auto Patch Donation
☐ Member ☐ Associate	Call Sign *	☐ Interested World Radio	Years at this Class	☐ * .25 = Club Patches
Work Phone * Home Phone *	☐ Yes ☐ No ARRL Member		Years as a Ham	Club car Placard
Fax * Pager *	☐ Life Member ARRL Member	Favorite Bands	Net 80 40 20 15 10 2 220	Total =
Office Use Only		Operating Times	Packet MBX frequency	

Club business and training meetings are held the 2nd Friday of each month, Auburn Fire Station, 226 Sacramento Street, Auburn, CA.



SIERRA FOOTHILLS AMATEUR RADIO CLUB
P.O. BOX 3262, AUBURN, CA 95604