

SIERRA FOOTHILLS AMATEUR RADIO CLUB

NEWSLETTER



Volume 39, Number V

May 1998

P.O. Box 1005, Newcastle, CA 95658

At the Key



PRESIDENT

KQ6RT
Gary Cunningham
663-4143

VICE PRES

KM6KV
Bill Parrish
878-1433

SECRETARY

WA6RWS
Richard Kuepper
878-6220

TREASURER

N6SHD
Dave Hund
624-0978

CLUB NET

All Are Welcome To Check In
Thursdays 7:30 PM 2M
K6ARR & Club Repeater
145.430 (-600, PL 94.8)
10 Meter Net is Sundays- 7:30 PM
28.415 MHz

CLUB MEETINGS

Second Fri. of the month 7:30 PM
Auburn Library, 350 Nevada St.
Auburn, CA

CLUB BREAKFAST

Last Saturday of the month at
Susie's Country Cafe,
Roseville, Hwy 80 & Riverside

BOARD OF DIRECTORS

KE6DJE
Wayne Mikel
645-0565

N7TK
Roger Hedgpeth
983-2912

W6LOE
Chuck Eder
966-2004

2 m NET CONTROL

WB6RBE, Dave Jenkins

10m NET CONTROL

KC6LOE, Greg Huttula

2 m OPERATORS

WB6RBE KQ6RT KC6LIX KC6LOE
Dave Jenkins Gary Cunningham Jan Huttula Greg Huttula

NEWSLETTER EDITOR KC6LOE, Greg Huttula (916) 786-3530

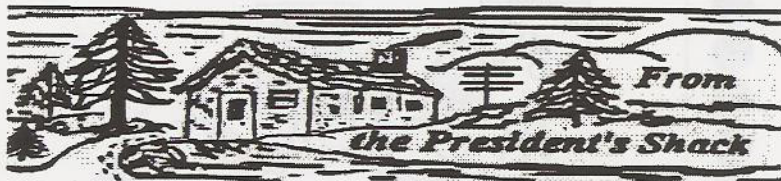
Club Meetings & Events

- May 8 Club Meeting - Topic **Search & Rescue** Presented by **Lowell Carlton, P.C.S.**
May 30 Club Breakfast in Roseville at **Susie's Cafe**
June 12 Club Meeting - Topic is **Field Day**
Presenter is **N7TK, Roger Hedgpeth**
June 27 & 28 **FIELD DAY 1998**
June 27 Club Breakfast in Roseville at **Susie's Cafe**
July 10 Club Meeting - Topic **TBA**
July 25 Club Breakfast in Roseville at **Susie's Cafe**
Aug 14 Club Meeting - Topic **TBA**
Aug 29 Club Picnic, In Meadow Vista
Aug 29 Club Breakfast in Roseville at **Susie's Cafe**

TBA - To Be Announced

Key News Inside

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The mix up on the MS walkathon held on April 19th was an eye opening experience for me. I learned never to assume anything including that the event organizers have everything under control. During the two weeks prior to the event three different people

Continued On Page 2

President Shack *Continued...*

were in charge. When we arrived there Sunday morning the day of the event we found another group had been contacted and was already in position to perform communication services.

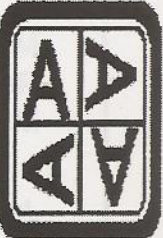
I would like to thank the following SFARC members who did show up to volunteer their services. Wayne KE6DJE, Debbie KF6LXN, and especially John KA6LNC who volunteered to stay and work sweeps with the other



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group.

We have been contacted once again by the City of Rocklin for our services with the Rocklin Jubilee. The Jubilee this year will once again coincide with Field Day. Hopefully this will not present to great a problem, as this was the same situation as last year.

One final reminder SFARC will be attending the North Hills swap-meet. The swap is scheduled around the end of May. If you have anything to donate please bring it to the May 8th meeting.

73 Gary, KQ6RT

Have you ever wondered:

**What do I need to upgrade my
Amateur Radio License?**

To upgrade from Tech or Tech Plus to General Class

- ☒ 25 Question General Class written exam
- ☒ 13 WPM Morse code test

To upgrade from General to Advanced Class

- ☒ 50 question Advanced Class written exam

To upgrade from Advanced to Extra Class

- ☒ 40 question Extra Class written exam
- ☒ 20 WPM Morse code test

Good Luck

General Meeting

April 10, 1998

The general meeting was called to order by President Gary, KQ6RT at 1936hrs. Officers present were Gary, Bill, KM6KV and Richard, WA6RWS. Dave, N6SHD was absent. Gary announced that there will be a MS Walk-A-Thon on April 19, 1998, and there is a need for six operators. The walk will be in Auburn. There will be a swapmeet put on by the North Hills ARC on May 31, 1998. Gary asked for stuff to donate to the club that he can sell at the swapmeet.

Officers, members and guests introduced themselves.

Bob, W6SUP gave the VE report. Next test will be April 29, 1998, at Jerry's house.

Rabbit hunt will be April 25, 1998, at 1900hrs.

Greg, KO6TH gave the satellite report. On April 27th there will be a school day with the MIR space station from 1000 to 2200 UTC. Special software will be needed. There is a group setting up downlinks across the country and the signal will be fed to the internet LIVE.

Jerry, K6GKR gave the sunshine report. Nothing new to report.

Bill introduced Bob Friebertshauser, W6YMR the guest speaker. Bob gave a very interesting talk on his career and what he is doing since he retired with FAIRS, Foundation for Amateur International Radio

Continued on Page 3...



"Would you like the technical or the nontechnical presentation?"

General Meeting Minutes *Continued...***April 10, 1998**

Service, LTD, building global fellowship. It was very interesting and enjoyed by all.

The meeting adjourned at 2108hrs.

Respectfully submitted by:

Richard Kuepper, Secretary

See Page 6 for April's Board of Directors Meeting Minutes.

A special thanks to all VE team members for promoting amateur radio through giving their time and talents to the VE program.



April 1998 the VE Team gave 20 tests with 12 people tested.

Test Schedule - 7:00 p.m. Wednesdays

May	6, & 27
June	3, & 24
July	8, & 29
Aug	5, & 26

Pre-Registration is Required Fee is \$6.25

Special test needs are accommodated, e.g. in-home testing, support assistance for specific types of disabilities.

For upgrades, or questions, contact
Bob Metke, W6SUP AT (916) 783-7610.

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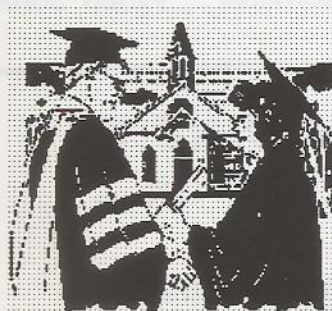
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SPRING

TIME: 7:00 to 9:00 PM THURSDAYS

PLACE: Roseville Library
255 Taylor, Roseville, CA

DAYS: April 2, 16, 23, 30
May 7

You need to provide your own book.

For more information contact
Lewis Tuttle, A6UD at (916) 771-2336.

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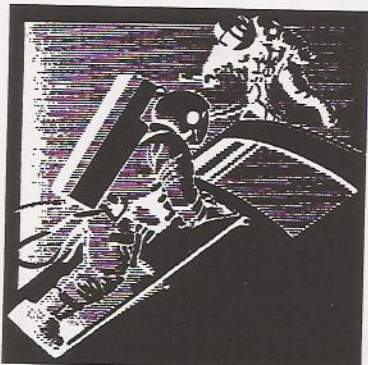
SFARC Members 5% discount on labor

SFARC

Sierra Foothills Amateur Radio Club

April Community**Service Activities**

In April SFARC was asked to provide six Radio Operators to participate in the MS Walk-A-Thon on April 19, 1998. The walk was in Auburn.



SATELLITE REPORT

By Greg Dolkas, KO6TH

The Doppler Shift

Many times I have used the term "Doppler Shift" in my reports regarding satellite communication, usually something like "don't forget to correct for Doppler Shift on the downlink." When Johann

on the other hand, the train were moving towards the station, the whistle would sound HIGHER pitched to the person on the station platform than to the person in the engine. To picture why this is, imagine the whole thing happening in slow motion. The beginning of a sound wave starts coming out of the whistle, moving through the air at the fixed speed of sound relative to the stationary air. As the wave moves forward from the train, the train moves forward as well, so that the next part of the wave comes out closer to the first part than it would have if the train hadn't moved. The waves are compressed together, just as a wave would be at a higher frequency.

The same thing happens to radio waves and satellites. Radio waves move through space MUCH faster than sound does. Ordinarily, this would make the dopper effect completely unnoticeable. When was the last time you had to retune your mobile rig as you sped down the freeway? Satellites, however, travel MUCH faster than trains, and that's why it is so important.



So, next time you listen to your favorite satellite go by, notice what is happening to the downlink frequency. If the published frequency is, say 145.985 (the downlink for the Mir space station), the pass will likely start around 145.988. When it's right over head (and therefore not moving closer or farther away for the moment), it will be 145.985. And, just as it sets below the horizon it will have shifted down to around 145.982. For FM signals, your receiver can compensate for about 2 KHz of shift, so you can still receive much of a pass without touching the dials. But, you can see the effect on your discriminator meter! There's no getting around the laws of physics.

73,

Greg KO6TH

Under Construction is SFARC's Web Page

Sierra Foothills Amateur Radio Club will soon have it's own Web Page. Courtesy of Greg, KC6LOE and Jan, KC6LIX. It should be on the World Wide Web by the end of May 1998. The address that is trying to be held for the site is <http://www.members@aol.com/SFARC>. This may change. More on the Web site in the June issue of the Newsletter.

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Doppler described the effect back in the 1800's he was listening to train whistles, not orbiting satellites, but the effect is still the same. Simply put, the APPARENT frequency of a wave depends on both the frequency it is transmitted at (obviously), AND the relative speed between the transmitting and receiving stations. If you stand at a train station and listen to a stationary train's whistle (assuming for the moment that you can still find a train with a whistle) it will sound the same on the platform as it does to someone standing in the train's engine. If,

Wanted:

Junk Radio Parts, Throw Away Radio's. Bits and Pieces. Anything from the tube era. Also any electronic or radio books or magazines.



W6JDT, Bill Aston

(916) 652-9038



Armed Forces Day

The following article is from the May Issue of Worldradio pages 12 & 13.

The Army, Air Force, Navy, Marine Corps, and Coast Guard are co-sponsoring the 49th annual Amateur Radio communications tests in celebration of Armed Forces Day. The celebration features traditional military to amateur cross band communications test and message receiving test. These tests give Amateur Radio operators and short wave listeners an opportunity to demonstrate their individual technical skills and receive recognition from the Secretary of Defense or the appropriate military radio station for their proven expertise. Special commemorative certificates will be awarded to anyone who receives and accurately copies the Armed Forces Day digital message from the Secretary of Defense. All contacts must acknowledge by QSL card or certificate to validate military interest in these operators.

Military-to-Amateur cross band contacts

Military-to-Amateur cross band operations will take place from 16 May 1300UTC to 17 May 1300UTC, 1998. It will include operations in single sideband voice (SSB) and digital modes (RTTY, PACTOR and AMTOR).

Digital modes transmitting test

Digital modes message broadcast will begin at 16/2340UTC (RTTY, 100WPM, narrow shift; 17/004UTC (PACTOR), and 17/0140UTC (AMTOR). A 10-minute call for tuning purposes will begin just

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before each broadcast; 16/2330UTC for RTTY, 17/003UTC PACTOR, and 17/0130UTC for AMTOR. For more information and the frequencies of the Secretary's message check out the May issue of Worldradio pages 12 & 13. **Note:** not all stations may be operating on all frequencies it depends on propagation and equipment.

HAPPY BIRTHDAY



To:

KEN COOLEY	KA6WUX	MAY
GARY CUNNINGHAM	KQ6RT	MAY
MATT DIRIDONI	KC6RUO	MAY
CHUCK EDER	W6LOE	MAY
CRAIG TINDALL	WA6MXG	MAY

"Life is not so short but that there is always time for courtesy."

Ralph Waldo Emerson



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SFARC's April Breakfast

At the April 25th Club Breakfast

there were 9 SFARC members enjoying the food and conversation at Susie's Restaurant.

The food is always good at Susie's. Come on and join us at Susie's Restaurant. The next Club Breakfast is on Saturday, May 30th. It is recommended you arrive around 7:30 a.m.. Susie's is located off of Cirby in Roseville.

TRANSMITTER HUNT

"Da Wabbit Hunt"



April 25, 1998

The starting place was located in Roseville at Jerrie Metke's, K6GKR and Bob's Metke's, W6SUP's house. The hidden transmitter was held by Ralph McCune, AC6SG and his XYL Bev AC6SF. There were eight SFARC members looking for the hidden transmitter. There was Gary Cunningham, KQ6RT and his XYL Debbie, KF6LXN with their son and daughter Dan and Michele in their car. Dave Jenkins, WB6RBE better known as Mr. Doppler and Jerrie Metke, K6GKR in Dave's car. Wayne Mikel, KE6DJE in his car. There was Evan Phillips, WB6EXQ in his car. This was Evan's first Wabbit Hunt in sometime. Greg Huttula, KC6LOE and his XYL Jan, KC6LIX went in their car. As soon as you arrived at K6GKR's and W6SUP's house you could sense the excitement in the air. There were stories about past hunts and how the transmitter was found. New equipment was displayed. Greg, KC6LOE and Jan, KC6LIX decided this hunt they would break away from their traditional method of gathering information. They threw out the super duper triangular only worked once directional antenna, and went with a piece of wire and a shop-light hood. Mr. Doppler Dave, WB6RBE gave everyone about a ten minute start in finding the transmitter before he and Jerrie went in



search of the transmitter. Twenty five minutes into the hunt the teams of Dave WB6RBE and Jerrie, K6GKR, Gary, KQ6RT, Debbie, KF6LXN, and family, Greg, KC6LOE and Jan, KC6LIX were circling the "WABBIT". Ralph, AC6SG and Bev, AC6SF the WABBIT's must have enjoyed it when they saw all of us across the street trying to figure out where they were. We did finally find them. All of us were within seconds apart of each other in finding them.

First place was Greg, KC6LOE and Jan KC6LIX

Second place was Gary, KQ6RT, Debbie, KF6LXN and family

Third place, and thank you for the ten minute lead, was Dave, WB6RBE and Jerrie, K6GKR.

Fourth Place was Wayne KE6DJE followed by Evan, WB6EXQ.

After the hunt was over and all had returned to the den to share their story and some ice cream.

If you have not participated in one of the transmitter hunts yet come and join us on the next one. W6SUP will announce the date and time of the next hunt.



Please Welcome SFARC's *New Member and Recent Renewals

* KENNETH KING	KZ6E
* MARK ANDREWS	KQ6MR
CAMERON McCREARY	KD6NKL



Thank you who have renewed their membership with SFARC, our membership is now growing. Renewal applications are still coming in. There are hams that were members from years ago who are rejoining the club, and new licensed hams who have joined in the last month.

Board Meeting

April 24, 1998

The board of directors meeting was called to order by President Gary Cunningham, KQ6RT at 1833hrs in Loomis. Officers present were Gary, Vice President Bill Parrish KM6KV, Treasurer Dave Hund N6SHD, Secretary Richard Kuepper WA6RWS, Board of Directors Roger Hedgepeth N7TK, and Chuck Eder W6LOE.

Field Day was discussed by Gary. Roger will bring the generator. Most times there are at least two groups, the fun group and the contest group. Consensus was to have a fun group, but those who want to contest are welcome to do that. Roger will try and get Jettie's call sign for Field Day. Roger will discuss field day at the next general meeting. Bill indicated that Search and Rescue is on for the next meeting.

Gary indicated that the Rose room will be reserved for the Christmas party. He will look for a place for the white elephant sale.

A discussion about fund raisers was held. Maybe, having a Tupperware sale was suggested.

Dues were discussed next. Last increase was January 1995. Vote will be taken by the board at the October board meeting and then to the membership at the November general meeting. Meeting adjourned at 1905hrs.

Respectfully submitted by:

Richard, WA6RWS secretary.



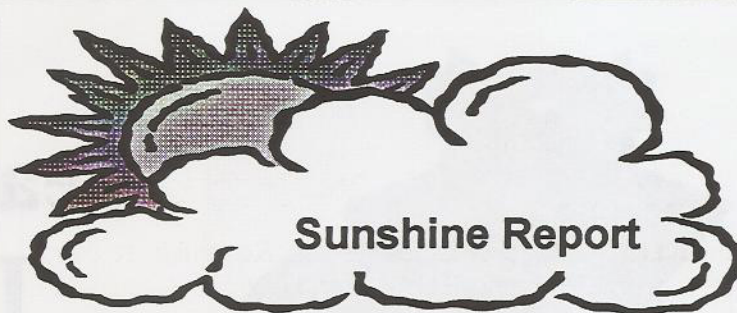
SFARC NEWSLETTER BOOSTER Club '98

Jerri Metke	K6GKR	1-98
Bob Metke	W6SUP	1-98
Bev McCune	AC6SF	1-98
Ralph McCune	AC6SG	1-98
Richard Kuepper	WA6RWS	1-98
Jan Huttula	KC6LIX	1-98
Greg Huttula	KC6LOE	1-98
Mardis Gleason	KG6LA	1-98
TJ Hossli		1-98
Greg Dolkas	KO6TH	1-98
Holly Dolkas	KE6ETT	1-98
Fred Campbell	KE6MJC	1-98
Carl Crump	WA6VLS	7-97
John "ED" Ahlstrom	KQ6CK	7-97
Ken Weger	WA6EMU	8-97
Martha Vance	KA6WUW	3/98
Ken Cooley	KA6WUX	3/98
Dave Pellonini	AC6RD	3/98
✱ Gary Cunningham	KQ6RT	3/98
✱ Debby Cunningham	KF6LXN	3/98

Thank You Supporting SFARC

If you would like to join the SFARC Newsletter Boosters Club, Contact the Club's Treasurer.

✱ = New Booster



Sunshine Report

KA6LNC, John Tiernan is doing well and is recuperating at home. He is trying to put on a few pounds. I know we'll see John out and about.

W6ISX, Frank Hogan is in the hospital. He will be moved to another place for rehab. Hope to see you soon Frank.

Irene Greenslade is back on her feet, kind of. Irene suffered some broken bones after falling from their motorhome. Way to go Irene

Those who bring sunshine to the lives of others cannot keep it from themselves.

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For Sale



Don't miss out on this: a Tri-Bander Beam. This is a great antenna. Original owner was Woody, W6ANX. Woody was one of SFARC's founding amateur radio operators. Contact Jim Carmen at 885-9335



Dodge Motorhome slips 5, fully self contained. With 4KW gen. \$8000 in New upgrades. \$10,000. Call KC6LOE Greg at (916) 786-3530

Do you have something for sale? Contact the newsletter editor to advertise your item.



Search Dog Teams



The Placer County Sheriff's Department, Search & Rescue Dog teams consist of ten handlers with K-9's, certified through Placer County and most through the California Rescue Dog Association. The handlers and their partners are trained in map & compass, low angle rescue, mantracking, wilderness survival and first aid. One of the teams is also a member of the National Ski Patrol and is specially trained in avalanche rescue.

AMONG THE AREAS OF EXPERTISE INCLUDED ARE:

- Ground / Area Search
- Tracking
- Evidence Search
- Cadaver Search
- Avalanche Rescue
- Water / Drowning Victim Search
- Urban / Disaster Search

Members of the Placer County Search & Rescue dog teams have participated in Searches all over North America, including Yosemite National park, Mexico City and numerous "local" searches across Northern California.

Lowell Carlton is an Resident Deputy of the Placer County Sheriff's Department and one of the Departments Search and Rescue Coordinators. He has been with the Placer County Sheriff's Department for 28 years.

The Rest of the Story

To learn more about Search & Rescue join SFARC members at the next General meeting Friday May 8th, at 7:30 p.m. in the Auburn Library located at 350 Nevada Street in Auburn. The program is on Search & Rescue. The presenter is **Lowell Carlton, Deputy Placer County Sheriff.**

See you there



SFARC NEWSLETTER

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Articles and opinions expressed in this newsletter do not necessarily reflect the individual opinions of members or Board members. Articles that members seek to have published in the next edition of the newsletter must be submitted no later than the 20th of the month. Submit Articles, letters, and personal classified radio gear advertisements to: Editor - SFARC Newsletter P.O. Box 1005, Newcastle, CA 95658. Call KC6LOE, Greg Huttula (916) 786-3530.

For Business, Non-Personal Advertisements contact SFARC's Treasurer N6SHD, Dave Hund. Full page ads to three line ads are available. Reasonable rates are offered on advertisements and on graphic designs for ads.

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.

Advertising Opportunities Available

Many opportunities for advertising are available exclusively to members of SFARC...are you aware of them?

- ♦ No cost to Members of SFARC to advertise in the Newsletter.
- ♦ Monthly fliers* can be inserted to advertise your item (s) or your business.
- ♦ Reach businesses and over 100 members by advertising on an annual basis, in the SFARC Newsletter.

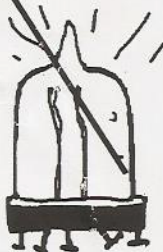
* Contact Dave Hund N6SHD at (916) 652-0978 for flier cost.

Help I'm lost. If you found me contact the newsletter editor at 786-3530 or write the Newsletter staff and let them know.



Mr. Glow Tube Decides to Clean up for Field Day By Greg Huttula

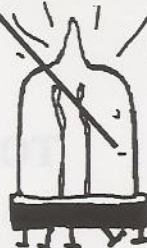
Are you going to Field Day '98?



I sure am..



Have you checked out your circuits yet, in preparation for the all night transmitting?



I sure have. All the dust has been removed from my circuits and my 35 amp power supply has just been checked out.



All my circuits are scheduled to be cleaned and dusted in June. I hope the antenna connections work.



Did you call Roger, N7TK to let him know you will be at Field Day?



I plan to call him before the next Club meeting.



I remember last year when you found that bad antenna connection. Good Luck this year



Sierra Foothills Amateur Radio Club



Membership Application

				Please Circle Amounts that Apply	
Name	Call Sign	License Class		Member Dues:	\$17.00
Address	Birth Date	Years as Ham		Associate Dues:	\$ 7.00
City	State	Zip		ARRL Renewal	\$34.00
Associate Name	Call Sign	License Class		ARRL (Spouse)	\$ 5.00
()				ARRL (Special)*	\$28.00
Telephone	E-Mail Address	Birth Date	Years as Ham	Club Patch	\$ 2.00
				Emergency Placard	\$ 3.50
Application: (Circle One) New Member Renewal ARRL MEMBER? Y N				Badge	\$ 5.50
Bands Used: 160 80 40 20 15 10 6 2 220 440 Other: _____				Repeater Donation	\$ _____
☐ I would like a Calendar of Events				Auto Patch Donation	\$ _____
☐ Check me in on the Thursday 2 Meter Net.				Newsletter	\$ _____
Renewing your ARRL membership through the Club earns the Club money with no additional cost to you. To renew your ARRL membership through SFARC make check payable to SFARC and mail to SFARC P.O. Box 1005, Newcastle, CA 95657.				World Radio Renewal	\$ _____
				Other	\$ _____
				Total	\$ _____

*Special is under age of 17 or over 65

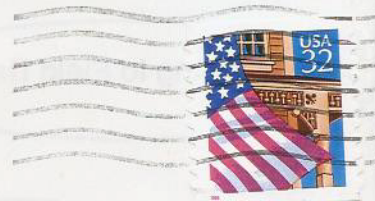
Date: _____ Treasurer: _____ Secretary: _____ Entered to Roster _____

Payment: _____ Check Number: _____ Cash _____ Other _____

Sierra Foothills Amateur Radio Club

P.O. Box 1005

Newcastle, California 95658



TO:

