

SIERRA FOOTHILLS AMATEUR RADIO CLUB

NEWSLETTER



Volume 39, Number IV

April 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

- Apr 10 Club Meeting - Topic is
**Overseas Volunteer Work Presented by
Bob Friebertshauser**
- Apr 25 Transmitter Hunt - Time TBA
- Apr 25 Club Breakfast at Susie's
Roseville
- May 8 Club Meeting - Topic TBA
- May 30 Club Breakfast at Susie's
Roseville
- June 12 Club Meeting - Topic is **Field Day**
Presenter is **N7TK, Roger Hedgpeth**
- June 27 Breakfast Susie's Roseville
- July 10 Club Meeting - Topic TBA
- July 25 Breakfast Susie's Roseville

TBA - To Be Announced

Key News Inside

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I would like to thank Jim Carman, K6ARR for being the speaker at our meeting last month. Jim gave a very informative presentation about the repeater and attracted one of the largest member attended meetings we have had in a long time.

Continued On Page 2

President Shack *Continued...*

The North Hills Radio Club will be having their annual swapmeet this year on Sunday, May 31. The swapmeet will be at Bella Vista High school in Orangevale. This will be an excellent opportunity for us to bring some revenue into our club.

Doc Metke, K6HLO has already donated a considerable amount of Motorola commercial radio equipment. I



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have several items in my garage that I will be parting with. If any of you have anything you would like to donate for the club to sell please contact me for pick up, or bring it to the April or May club meetings. Remember one man's trash is another man's treasure. Anything you could donate will be appreciated.

That's about all for now, hope to see you all at the April meeting where Bob W6YMR will tell us about his experience's with radio as a missionary overseas.

73 Gary, KQ6RT

GOOD EXCUSES?

The following are actual notes from parents to teachers.

Chris will not be in school cus he has a acre in his side.

Please excuse Ray Friday from shcool. He has very loose vowels.

Please excuse Tommy for being absent yesterday. He had diarrhea and his boots leak.

Please excuse Jimmy for being. It was his father's fault.

Maryann was absent December 11-16, because she had a fever, sore throat, headache and upset stomach. Her sister was also sick, feever and sort throat, her brother had a low grade fever and ached all over. I wasn.t the best either, sore throat and fever. There must be something going around, her father even got hot last night.

General Meeting

February 13, 1998

The meeting was called to order by President Gary, KQ6RT at 1937hrs. Officers present were Gary, Bill KM6KV, Dave N6SHD and Richard WA6RWS.

Gary announced that Roger N7TK, a member of the board of directors, has volunteered to be the chairman for Field Day. Debbie KF6LXN, Gary's XYL has volunteered to be the head, top dog, cook for this event. Thanks Gary and Debbie for stepping up to the Plate.

On April 18, 1998, there will be a swapmeet hosted by the North Hills ARC. Gary asked for donations to sell at the event and the money will go to SFARC fund.

Dave gave the treasurer's report and we are still in the black.

Jettie W6RFF, gave the ARRL report. He announced there are a couple of contests coming up for both CW and phone. He asked that everyone read the March QST board of director's minutes.

Bob W6SUP gave the VE report and also stated that the **wabbit** got away again. Must be a lucky rabbit.

Jerri K6GKR gave the sunshine report and said that John Tiernan KA6LNC is not doing too well and has lost some weight.

Wayne Mikel KE6DJE was voted unanimously to the board of directors taking the place of a board member who resigned.

Greg KO6TH gave the satellite report.

Bill KM6KV introduced the guest speaker,

Continued on page 3



"It doesn't say anything about what to do when a stick-to-the-letter-of-the-book supervisor falls down an elevator shaft."

General Meeting Minutes *Continued...*

Jack Morgan KF6T who gave a great talk on contesting.

Thanks Jack for some great insights into contesting.

The meeting adjourned at 2110hrs.

Respectively submitted by:

Richard Kuepper, Secretary.

Board Meeting**February 27, 1998**

The February board meeting was called to order by President Gary, KQ6RT at 1835hrs at Round Table Pizza in Loomis. Present were Dave N6SHD, Wayne KE6DJE, Roger N7TK, Bill KM6KV and Richard WA6RWS.

A discussion was held on the location of the Christmas party. Gary will reserve the Rose Room.

Dave gave the treasurer's report. Cash flow and income, the cost of the newsletter and the possibility of raising dues, and having a family price for dues was discussed. No action was taken.

Gary asked for the board members to think about goals for the club and to have the ideas for the next board meeting. He also asked the board to encourage everyone to come to field day.

Bill said that his daughter Hillary knows four kids that might be interested in attending a ham class. Could anyone help with details? The meeting adjourned at 1915hrs.

Submitted by Richard WA6RWS, secretary.

No age or time of life,
no position or circumstance,
has a monopoly on success.
Any age is the right age to start doing.

Unknown author

General Meeting**March 13, 1998**

President Gary, KQ6RT called the meeting to order at 1930hrs. The other officers present were vice-president Bill, KM6KV, treasurer Dave, N6SHD and secretary Richard, WA6RWS.

Gary invited everyone to call in on the 2 meter net at 1930hrs on Thursday and the 10 meter net on Sunday at 1930hrs. Gary is requesting equipment for the swap meets that are coming up, North Hills on May 31, 1998. He also invited anyone who would like to join the newsletter booster club.

Garth KF6GAQ from River City ARC asked for volunteers for a race in Sacramento on March 22, 1998.

Roll call of the officers, members and guests was taken.

Dave gave the treasurer's report. Beginning balance was \$637.16. Ending balance was \$1014.99.

Next rabbit hunt will be April 25, 1998.

Greg KO6TH gave the satellite report.

Jerry K6GKR gave the sunshine report. She stated Frank was still in the hospital, but will be moved to another place for rehab.

Bill introduced the guest speaker, Jim Carmen, K6AAR, the trustee of our repeater system. Jim put on a great program and we all thank Jim for all his hard work keeping the system running flawlessly.

Rick McCusker KO6DJ the new editor of World Radio was introduced. Rick handed out some free copies of World Radio and answered questions from the group.

The meeting adjourned at 2114hrs.

Respectfully submitted by:

Richard Kuepper, secretary.

Board of Directors Meeting

March 20, 1998

The minutes were taken by W.T. Mikel, KE6DJE.

Meeting called to order 1826 hrs.

Roger has contacted US Rentals about the use of a generator for Field Day.

Gary talked with Lewis, K6UD about classes in our area. Lewis suggested contacting Dave Jenkins, WB6RBE about having classes in the local area.

Talked about Newsletter boosters.

Roger, N7TK confirmed he would be the speaker at SFARC's June meeting. The topic would be Field Day '98.

Gary can get the Rose Room for the Club's Christmas Dinner Party but not for the White elephant sale.

Discussed how the telephone area code change will affect the Autopatch, Gary said he will talk to Jim Carmen, K6ARR about the effects of the area code would have with the repeater use.

April speaker will be Bob W6YMR the topic will be Missionary short-wave broadcast.

Dave, N6SHD gave Gary club insurance papers.

Meeting adjourned 1917 hrs.



Have You Heard?

The Government will turn VHF Spectrum over to FCC for probable auctioning.

According to the March 15, 1998 W5YI Report the National Telecommunications and Information Administration (NTIA) has announced that effective January 1, 2002, the federal government will turn the 216-220 Mhz band over to the FCC for assignment to the private sector.

That band contains the shared Amateur Radio band 219-220 MHz. It appears that hams will have to share the band with auction winners, unless the FCC were to reallocate the band exclusively to commercial purposes and remove the Amateur Service from the band



ARRL Membership Benefits

QST, is the monthly membership journal and is simply the source for news and information on any topic that's part of, or relates to, Amateur Radio. Whether you're interested in contesting, DXing, or radios, accessories and antennas you can build at home, QST covers them all. In addition QST covers the latest in trends and technology, fiction, humor, news, club activities, rules and regulations, special events, packet radio, and much more.

In addition, you'll have access to ARRL's: Technical Information Service, Ham Radio Equipment Insurance.

And More:

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 - Antenna/tower/zoning restriction problems
 - Reciprocal licensing procedures
 - Volunteer Counsel Program
 - Volunteer Examiner Coordinator program
 - Amateur Radio Emergency Service
 - Registered Amateur Radio Instructor program
 - W1AW code practice, bulletins and code proficiency sessions
- ARRL sponsored contests.

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 your check payable to SFARC and mail to SFARC P.O. Box 1005, Newcastle, CA 95657.

Not Coming to Your Neighborhood: Microsoft Van 98

According to the March 15, 1998 W5YI report researchers at Cambridge University, grateful for a \$20 million donation from Microsoft CEO Bill Gates, have discovered technology that could aid in finding illegal copies of software - by remote monitoring and analysis of the radiofrequency (RF) leakage from users computers.

But Microsoft doesn't want to use the technology. This technique is code-named "Tempest" in the "intelligence community".



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

**March 1998 the VE Team
gave 12 tests with 8 people tested.**

Test Schedule - 7:00 p.m. Wednesdays

April	8, 29
May	6, 27
June	3, 24

Pre-Registration is Required Fee is \$6.25

For upgrades, or questions, contact W6SUP Bob Metke, 783-7610. Special test needs are accommodated, e.g. in-home testing, support assistance for specific types of disabilities.

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SPRING

TIME: 7:00 to 9:00 PM THURSDAYS

PLACE: Roseville Library
255 Taylor, Roseville, CA

DAYS: March 26
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.



**March Community
Service Activities**

No requests for Club sponsored Communications Assistance was received in March.



SATELLITE REPORT

By KO6TH Greg Dolkas

Have you ever wanted to talk to Aliens in Outer Space?

Well, now is a really good time to try. The Mir space station is back on the air! They are mostly on packet, but I have heard reports of voice activity as well. Andy

handheld!), and with luck you will also be able to log in. The BBS, unfortunately, only accepts one connection at a time, so it may be a little frustrating to get in. Try to connect (with :c R0MIR-1) just after you see the previous user log off by watching your monitor window. And, if you get a *busy* back, it's time to celebrate! You just completed a 2-way exchange with the space station!

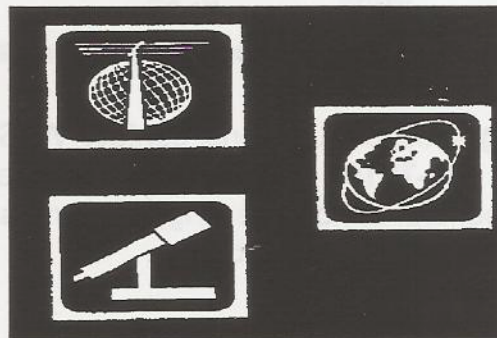
I understand that voice exchanges have most recently been heard on the Mir UHF repeater. It's a lot harder to work than an earth-bound machine, (you must compensate for doppler shift, practically in real time), but it's worth it just to try. Uplink is on 435.750 with a PL of 141.3, and the downlink is on 437.950. I'll discuss Doppler shift in more detail in a future article, so for now try listening in on the downlink to get a feel for things.

For those of you with sharp eyes, yes, there was a typo in the last article... RS-12's 15 meter uplink is between 21.210 and 21.250.

If you're having a nice QSO down there, be aware that you might just be working the RS-12 satellite at the same time!

Enjoy,

Greg KO6TH



Thomas, the last American to be stationed as part of the Mir crew, will complete his assignment in a few months. The two Russian crew members may also be active, although I have not heard any reports of direct contacts with anyone other than Andy.

The packet traffic is run simplex on 2 meters - 145.985. Unlike many other satellite digital setups, Mir runs standard terrestrial (that's the stuff we earthlings use) 1200 baud AFSK AX.25 packet. A very modest station can receive it (including your

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

Libraries

Be a little careful about your library. Do you foresee what you will do with it? Very little to be sure. But the real question is, What it will do with you? You will come here and get books that will open your eyes, and your ears, and your curiosity, and turn you inside out or outside in.

Ralph Waldo Emerson (1803-82), U.S. essayist, poet, philosopher. *Journals*

1906

The First Radio Broadcast

The first radio broadcast of voice and music booms out of Brant Rock, Mass., Christmas Eve and is picked up by ships within a radius of several hundred miles. Canadian-American engineer Reginald Aubrey Fessenden, 40, patented a high-frequency alternator in 1901 that generates a continuous wave instead of the intermittent damped-spark impulses now being used for transmission of wireless signals; he organized the National Electric Signaling Corp. in 1902 to sponsor his experiments, he has engaged Swedish-American electrical engineer Ernst Frederik Werner Alexanderson, 28, to build a large 80-kilohertz alternator for the station he has set up at Brant Rock, his equipment features a receiver circuit of his own invention that blends an incoming radio frequency signal with another, slightly different, signal produced locally to yield a beat frequency in the audible range, and this heterodyne circuit will be generally adopted in radio broadcasting ¹

1912

The Wireless Message "S.S. Titanic..."

The wireless message "S.S. *Titanic* ran into iceberg. Sinking fast" is picked up accidentally by Russian-American wireless operator David Sarnoff, 20, who is manning a station set up by John Wanamaker in his New York store window ostensibly to keep in touch with the Philadelphia Wanamaker's but actually as a publicity stunt. Sarnoff relays the message from the

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WR60

Titanic to another steamer, which reports that the liner has sunk but that some survivors have been picked up. President Taft orders other stations to remain silent and Sarnoff remains at his post for 72 hours, taking the names of survivors and making his own name familiar to millions of newspaper readers.

The People's Chronology 1997

HAPPY BIRTHDAY



To:

John Green	N6WXN	April
Greg Huttula	KC6LOE	April
Dave Jenkins	WB6RBE	April
Bruce Middleton	W6PWI	April
Wayne Mikel	KE6DJE	April
Toby Richardson	KD6MLU	April
Time Woodburn	KF6BVU	April

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

Ralph Waldo Emerson

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SFARC's March Breakfast

At the March 28th Club Breakfast there were 7 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, April 25th. It is recommended you arrive around 7:30 a.m.. Susie's is located off of Cirby in Roseville.

The following guest editorial was submitted to the Newsletter at the staffs request by Bob Friebertshauser W6YMR - an Extra Class amateur who lives now in Newcastle, CA. The staff contacted Bob, because he is SFARC's guest speaker at the April 10th General Meeting.

An Amateur Radio Adventure

By W6YMR, Bob Friebertshauser

My amateur radio adventure officially began April 30, 1940 with a Class B license W8USI issued to me in Wheeling, West Virginia. A bread board (literally) 3 6L6, crystal controlled at 1805 kc 10 watt transmitter, 1/2 wave inverted L 160 meter antenna and 4 tube home built Jones Super Gainer receiver.

Unofficially my adventure began about 10 years earlier with a lot of wire wound around an Oat box, piece of Galena with "cat" whisker and borrowed headphones. Since then there have been all kinds of both homebuilt and commercial equipment. Living in Princeton, New Jersey my equipment included a home built fast scan, 100 watt amateur TV station that would produce snow free signals in Philadelphia about 35 miles away.

There have been many call signs both US and DX countries. The best part of my amateur radio adventure has been the last 12 years as a volunteer using my ham experience in a mission setting.

The Rest of the Story



The rest of W6YMR's adventure will be presented at the next General meeting Friday April 10th, at 7:30 p.m. in the Auburn Library located at 350 Nevada Street in Auburn. The program is on Overseas Volunteer Radio Communication

and the presenter is **Bob Friebertshauser, W6YMR.**

Join SFARC's members Friday April 10 at the General Meeting for the rest of the story.

See you there

Please Welcome SFARC's *New Member and Recent Renewals

*Eldred Wilkerson	KD6ZSL
Dave Pellonini	AC6RD
Martha Vance	KA6WUW
Ken Cooley	KA6WUX



Thanks to all 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.

Did you know

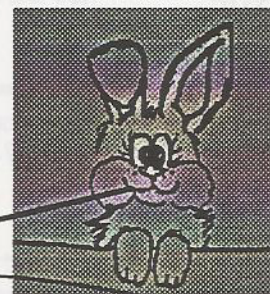
Egghead Software Inc., is the first national chain to shut down all of its stores in favor of selling over the Web.

There are now 15 VEC's (volunteer examiner coordinators) left. The Koolau Amateur Radio Club which coordinated ham license examinations in Hawaii has dropped out.

HAPPY EASTER



Oh boy Easter is almost here!



Happy Easter

April 12 is Easter, a major holy day of the Christian year in celebration of the resurrection of Jesus.



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
★ Dave Pellonini	AC6RD	3/98
★ Martha Vance	KA6WUW	3/98
★ Ken Cooley	KA6WUX	3/98

Thank You, for your support

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

★ = New Booster

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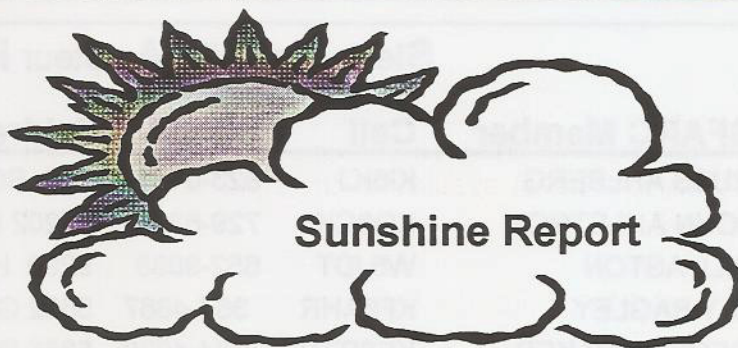
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Communication The People's Chronology 1995

In 1900, in United States there was 1 telephone per 13 homes.

The Pacific Cable links San Francisco with Honolulu January 1 and Manila July 4. A message sent by President Roosevelt from San Francisco to Manila is relayed round the world and returned in 12 minutes.



Sunshine Report

KA6LNC, John Tiernan is doing well and is recuperating at home. He is trying to put on a few pounds.

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

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

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Gary Cunningham
Assistant Manager

969-8866

For Sale



Don't miss out on this one 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 slps 5, fully self contained. With 4KW gen. \$8000 in New upgrades. \$10,000. Call KC6LOE Greg at (916) 786-3530



3 Station Gymnasium.
Sacrifice \$100.00
Call TJ Hossli at (916) 728-4375

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

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.

Have you ever wondered who would be the next 2-meter net operator?

Schedule of 2-meter net control station operators for 1998:

Thursday, 7:30 PM

JAN 1 KQ6RT Gary
JAN 8 KC6LOE Greg
JAN 15 WB6RBE Dave
JAN 22 KQ6RT Gary
JAN 29 KC6LOE Greg

FEB 5 WB6RBE Dave
FEB 12 KQ6RT Gary
FEB 19 WB6RBE Dave
FEB 26 KC6LOE Greg

MAR 5 KQ6RT Gary
MAR 12 KC6LOE Greg
MAR 19 WB6RBE Dave
MAR 26 KQ6RT Gary

APR 2 KC6LOE Greg
APR 9 WB6RBE Dave
APR 16 KQ6RT Gary
APR 23 KC6LOE Greg
APR 30 WB6RBE Dave

MAY 7 KQ6RT Gary
MAY 14 KC6LOE Greg
MAY 21 WB6RBE Dave
MAY 28 KQ6RT Gary

JUN 4 KC6LOE Greg
JUN 11 WB6RBE Dave
JUN 18 KQ6RT Gary
JUN 25 KC6LOE Greg

JUL 2 WB6RBE Dave
JUL 9 KQ6RT Gary
JUL 16 KC6LOE Greg
JUL 23 WB6RBE Dave
JUL 30 KQ6RT Gary

AUG 6 KC6LOE Greg
AUG 13 WB6RBE Dave
AUG 20 KQ6RT Gary
AUG 27 KC6LOE Greg

SEP 3 WB6RBE Dave
SEP 10 KQ6RT Gary
SEP 17 KC6LOE Greg
SEP 24 WB6RBE Dave

OCT 1 KQ6RT Gary
OCT 8 KC6LOE Greg
OCT 15 WB6RBE Dave
OCT 22 KQ6RT Gary
OCT 29 KC6LOE Greg

NOV 5 WB6RBE Dave
NOV 12 KQ6RT Gary
NOV 19 KC6LOE Greg
NOV 26 - no net

DEC 3 WB6RBE Dave
DEC 10 KQ6RT Gary
DEC 17 KC6LOE Greg
DEC 24 - no net
DEC 31 - no net

Do you know what year the following Field Day results came from?

FIELD DAY REPORT

Well another Field Day contest has come and gone and it seems that this year's effort went very well. We made approximately 1,400 contacts this year, which is some 200 more than last year.

The contacts were spread out as follows:

SSB—880

CW—520

Band wise, the contacts were as follows:

80 meters—	261 SSB,	50 CW
40 meters—	392 SSB,	125 CW
20 meters—	110 SSB,	232 CW
15 meters—	77 SSB,	57 CW
10 meters—	1 SSB,	0 CW
2 meters—	1 SSB,	17 Packet

In addition to the above, the Novice/Tech station set-up made 63 contacts, 37 on 10 meter SSB, 25 CW 40 meters, and 1 on 80 CW.

The contest logs are presently being entered into a computer and checked for dupes, so the above totals may change somewhat before we reach our official total.

Many thanks to the following club members who donated their radio gear for our contest effort:

Jettie, W6RFF; Frank W6NKU; Gerry WA6E; Fred, K6DGW; Dennis N6PMI, and Jim W6PYX. Also thanks to Bob, W6SUP and Max/ Andrea Mizejewsji for loaning us their small generators, as these became our main power units after the big 3.5 KW generator gave up early Saturday evening. I also want to comment Patty Venneman and Linda Boeckman for their help with the food preparation on Saturday evening. Thanks also to all of the club members who helped out by doing some operating, set up antennas, or loaning us some of the various bits and pieces which were needed over the weekend.

The year was 1990 and the article was written by Jim, W6PYX and Fred, K6DGW.

Are you ready for Field Day '98?

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
Application: (Circle One) New Member Renewal ARRL MEMBER? Y N				Emergency Placard	\$ 3.50
Bands Used: 160 80 40 20 15 10 6 2 220 440 Other: _____				Badge	\$ 5.50
☐ I would like a Calendar of Events				Repeater Donation	\$ _____
☐ Check me in on the Thursday 2 Meter Net.				Auto Patch Donation	\$ _____
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.				Newsletter	\$ _____
				World Radio Renewal	\$ _____
				Other	\$ _____
				Total	\$ _____
*Special is under age of 17 or over 65					

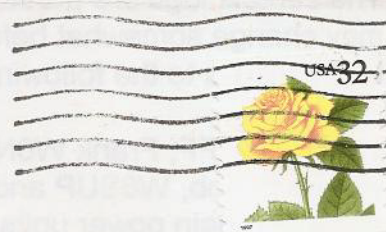
Date: _____ Treasurer: _____ Secretary: _____ Entered to Roster _____

Payment: _____ Check Number: _____ Cash _____ Other _____

Sierra Foothills Amateur Radio Club

P.O. Box 1005

Newcastle, California 95658



TO:

