



<http://personal.newworld.net/~wingman/sfarc/>

July 2001

P.O. Box 1005, Newcastle, CA 95658



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REPORTERS

Satellite Report

Greg Dolkas, K06TH

40 Years Ago at the SFARC

Gary Cunningham, KQ6RT

VE Program

Bob Metke, W6SUP

REPEATERS

145.430(-0.6 Mhz) PL 162.2
440.575(+5 Mhz) PL 94.8
223.860 (-1.6 Mhz)

CLUB NET

All welcome to check
in Thursdays, 7:30 PM
2M K6ARR & Club
Repeater 145.430

CLUB MEETINGS

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

CLUB BREAKFAST

Last Saturday of the
month at Susie's Café
Cirby at Riverside Ave.
Roseville - 8:00 AM

NET CONTROL OPS

Dave Jenkins, WB6RBE
Gary Cunningham, KQ6RT
Joe Sylvia, KF6OQY
Wayne Mikel, KE6DJE

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2001 Calendar of Events

(Operating Events in Italics)

Jul 11	VE Test
Jul 13	Regular Meeting
<i>Jul 14-15</i>	<i>IARU HF World Championships</i>
Jul 28	Club Breakfast
<i>Aug 4-5</i>	<i>ARRL UHF Contest</i>
Aug 8	VE Test
Aug 10	Regular Meeting
Aug 25	Club Breakfast
<i>Sep 8-9</i>	<i>ARRL VHF QSO Party</i>
Sep 12	VE Test
Sep 14	Regular Meeting
Sep 29	Club Breakfast
<i>Oct 6-7</i>	<i>Cal QSO Party</i>
Oct 10	VE Test
Oct 12	Regular Meeting
Oct 27	Club Breakfast
<i>Nov 3-5</i>	<i>ARRL Sweepstakes (CW)</i>
Nov 9	Regular Meeting
Nov 14	VE Test

From the President's Shack

**Matt
KC6RUO**



Hello everyone!

Well if you didn't make it to field day, you missed a good time. We probably didn't make the most contacts in the area, but what the heck, members had fun, the XYLS had fun, the kids had fun, so what else could one ask for? Thanks Richard, WA6RWL for taking the photos for the newsletter.

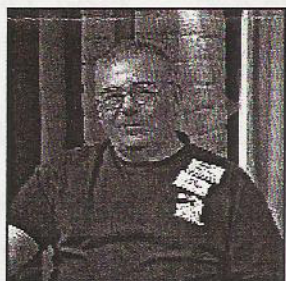
We stayed within field day budget of \$150.00. We have two cases of sodas left over, along with plates forks, that will be used for the club picnic in August. As of today, I am looking for a guest speaker for the July meeting. If any members have any ideas for guest speakers for the remainder of the year, please contact me.

73,

Matt, KC6RUO

Secretary's Report

**Joe
KF6OQY**



SFARC General Meeting May 11, 2001

President Matt KC6RUO opened the meeting at 1937 hours. Officers present: Vice President Steve, KF6OCE; Secretary Joe, KF6OQY; and Treasurer Debbie, KF6LXN. Board members present: Richard, WA6RWS; Eldred, KD6ZSL; and Bob, WA6ULL. Introduction of officers, members, and guests followed. Debbie gave her treasurer's report followed by Greg, KO6TH, with a satellite report. Greg brought along some visuals such as a BBQ antenna, a pre amp and a down converter. He explained the functions of each in relation to tracking the satellite. He also explained how to modify some of this equipment. Questions and answers followed.

President Matt opened the discussion for the upcoming Field Day event. He proposed that the club furnish the hamburgers, buns, condiments, and soft drinks. Those attending are asked to bring a side dish. We are reminded not to drive on the grass area. Please use the dirt road which

goes around to the back area. A motion was made by Eldred, KD6ZSL, that \$150.00 be used from the club treasury to cover Field Day expenses with any monies not used to be returned to the treasury. This was seconded by Richard, WA6RWS. A vote by the membership followed and the motion was passed. We will once again use Jettie's call (W6RFF) for the event. Thank you Jettie.

Meeting was adjourned at 2025 hours. Thank you to all twenty five people who attended.

Respectfully submitted,

Joe Sylvia, KF6OQY
Secretary

40 Years Ago At The SFARC

**Gary
KQ6RT**



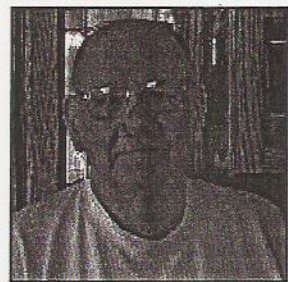
The SFARC took July 1961 off and we have no minutes for that month. History lessons will resume in August.

73,

Gary, KQ6RT

VE Report

**Bob
W6SUP**



Volunteer Examiner Report

Upcoming Exam Dates for 2001

July 11
Sep 12

August 8
October 10

Pre-registration is required. Contact Bob Metke, W6SUP for more information.

Special arrangements and dates can be made to accommodate the disabled, including conducting tests at home.

73,
Bob, W6SUP
511 Oak St.
Roseville, CA 95678
916.783.7610
w6sup@rsvl.net

Sunshine Report

**Jerri
K6GKR**



(No news from Jerri this month ... which is always good news for us! Ed.)

Vice President

**Steve
KF6OCE**



Martis Fire Support

My wife doesn't want to get an amateur radio license. She says its too much work. Especially when the cell phone is much more reliable, convent and easier to use without having to take a test.

OK, I'll give her that. The Mobile phone has given the average citizen a measure of communication capabilities and convenience that was previously unavailable to the vast majority of citizens prior to the introduction of commercial cell phone technology.

Now reread the above two sentences, and notice particularly the word "commercial".

Cell phone technology is a commercial enterprise. It provides services for a fee. It makes money. That's what commercial enterprises do. The basic fundamental of business is to invest the least capital needed in order to make as much profit as necessary. It is the lifeblood of our American economic system.

Putting massive cell sites in major metropolitan communities is a no-brainer when it comes to maximizing your customer base. But putting cell sites in many rural sparsely populated areas or those areas of isolation or desolation do not make much sense to a commercial enterprise. You cannot make money on a customer base of nearly zero.

So what does all of this have to do with why we as hams study, test, and continue to seek the additional privileges that each license class awards to us in the Amateur Radio Service? The answer can be seen in any number of events that take place daily in our world. Recently, on a regional level the answer was evident the Martis Fire event.



Recently I was asked by Wayne KE6DJE, to help in manning a staging area for the Red Cross during the Martis Fire event. It was no surprise to me to learn that at this staging area, located just a few miles from Interstate 80, not one single cell phone would work. The digital PCS phones did not work, the all-digital phones failed, and the analog phones failed. It did not matter who the carrier was ... none of them worked.

Even the 42 Mhz radios installed in many of the Red Cross vehicles could not communicate with each other. Those radios were originally set up for an urban emergency. The Red Cross has no repeater system in the mountains that will enable their radios to talk to one another. It could cost millions of dollars to build a repeater system that would cover only a fraction of the massive land surface that they may be asked to provide relief within. Additional funds would then be needed to maintain and repair the sites. Tens of millions of dollars would then be unavailable to those who need it the most in the form of actual disaster relief.

At the Martis Fire, Amateur Radio Operators utilized their skills and equipment to connect, link and provide essential communications to those providing critical services during the disaster at a time and a place when commercial technology was unavailable to do so. It is no secret to me nor is it to any of you that Amateur Radio has been is now and will always continue to be a national resource.

This resource can even benefit each of us on a personal level. People who in the future may camp in or around the Martis Area, in non-disaster recreational conditions would have no better luck with their cell



phones than did the emergency personnel during the Martis Fire event. Small scale medical emergencies at the camp site could turn into major life threatening events if quick effective communications cannot be established in timely manner.

My wife is now beginning to understand why I have joined a group of citizens who study, test, meet, practice and volunteer their valuable time day after day and week after week. We do this so that we can continue to be proficient in the use of a technology that isn't really as out of date as some would like us to believe.

I am slightly encouraged. While she has not yet rushed out to get her study guide, she did hint that maybe I could pick one up for her.

73,

Steve, KF6OCE

(Ed note: Steve submitted a number of pictures of the fire support encampment ... all will appear in 24-bit color on the 2001 SFARC CD. Many were smoky [surprise! It was a fire] which unfortunately did not convert well to gray scale images for the SFARC news)

SFARC Event Dates

All at Auburn Recreation Center, 123 Recreation Dr. in Auburn.:

Club Picnic: August 18

White Elephant Sale: October 12 (Stella Irving Room)

Christmas Party: December 14 (Stella Irving Room)

*Amateur
Satellites*

**Greg
KO6TH**



Field day on the ISS

You find yourself with some time to spend, within reach of a 2 meter FM rig, on the last weekend in June. What else to do but work a few stations for Field Day! So, what's the problem?

Well, for Susan Helms, one of the biggest challenges was what to use for her station designation. You see, Susan is in orbit on the International Space Station, and this little twist sparked quite a discussion back here on Earth.

Station/Class/Section Designation ... Since the ISS is "home", how about 1D? No, she's not on the commercial power grid. Solar power? Well, yes, but that also depends on what part of the orbit the Station is in; the rest of the time it's on batteries. And, being in orbit, what section is she in? How about mobile, after all, she is moving at about 18,000 miles/hr? Aeronautical mobile? Certainly not maritime. 1C, then ... Ok.

And, which call sign to use? The station's got several "club" calls, plus she has her own.

Then there's the question of what it means to those of us down here. Does a contact count for satellite credit? If so, what credit does she get? After all, she IS the satellite. Would she have to work someone else through another satellite for that credit? For the Earth station, would you get double credit? According to some, a contact with the ISS

doesn't count for anything more than any other contact on Earth.

My head is starting to hurt...

When she first started operating on Field Day, reports were that she was using "NA1SS Maritime Mobile Russia", since Russia is the station's country of origin (or at least that part of the station). With each contact, stations on the ground had their own ideas and interpretation of the Rules. By Sunday morning, she was giving out "NA1SS, 1A Battery on the ISS". That's what's written in my log.

The Station runs on a UTC day, so their evening hours are our mid- to late-morning. At 20:15 UTC on Sunday 24-June, her next-to-last pass over the States began. I had heard her giving out Field Day contacts on the previous pass, so I thought I'd give it a try. Sure enough, there she was! To my surprise, it only took one try - she called QRZ, I replied with my call, and the call came back down with hers. We chatted for only a moment, but I could tell she was having a great time up there.

So, what I should count her contact as for Field Day? As we were returning from a weekend trip to Nevada that weekend (our eldest daughter was in a talent contest), I had many chores to do and only had a short operating time. There were a total of 19 contacts, scattered from Sacramento to New Jersey, but hers was the one that really counted.

73,

Greg, KO6TH

For Sale

Compaq 486DX laptop and Baypac modem with cables. Works perfect. \$150.00.

Patrick, N6PBM

n6pbm@lanset.com

Equipment Donations

Harold Grabe, W6JER of Applegate wishes to donate his entire station to the club. The station includes a Kenwood TS-930, Kenwood TS 820S, Henry amplifier, and a home made HF rig that has tubes the size of a gallon jug. Miscellaneous parts for all radios, and what appears to be a 30 to 50 foot crank up tower with a 4 element beam in very sad shape. Anyway, anybody that want to help take it down, please e-mail me at mdiridoni@rsvl.net.

Matt, KC6RUO

More Free Equipment

Mike Posthumus, KA6RTA, needs somebody to remove antennas from his roof, and wishes to donate them, along with some old HF equipment, to anyone that needs it. The equipment includes:

- 4 element 10 meter beam on a tripod stand on roof, with rotor
- 2 meter vertical on chimney mount
- Heath kit SB-101 HF radio
- 6 meter AM transceivers
- 220 radio gear.

Contact Mike directly at 916.600.8630

New Morse Testing Standards

New Morse code exam standards go into effect July 1 for all VECs. The new standards call for Farnsworth character speed in the 13-to-15 WPM range and the end of multiple-choice questions for routine Morse code exams. In the wake of restructuring and the establishment of 5 WPM as the sole amateur Morse requirement, the National Conference of Volunteer Examiner Coordinators voted last July to set up the revised standards for the administration of Morse code examinations in the US.

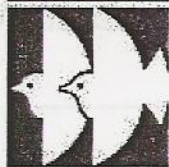
The change to the Farnsworth protocol replaces the 18-WPM character speed ARRL VEC has used since 1989. Standard 5 WPM messages with 5 WPM characters are available as an accommodation. In addition, the Morse exam audio frequency range should be between 700 and 1000 Hz for routine exams. Consistent with the revised standards, ARRL VEC has set 15-WPM characters and 750 Hz as its standards.

Code practice transmissions from W1AW will reflect the standard, beginning Monday, July 2. W1AW Web code practice files, at <http://www.arrl.org/w1aw/morse.html>, will mirror the new standards too.

After July 1, Morse examinees will have to supply fill-in-the-blank answers for the 10-question Element 1 quiz. Multiple-choice type examinations no longer will be acceptable. Morse code examinees must either correctly answer seven of the ten fill-in-the-blanks questions or correctly copy 25 consecutive characters.

Revised Amateur Extra question pool will go into effect July 1, 2002. Reworked Technician and General question pools will become effective on July 1 2003 and 2004 respectively.

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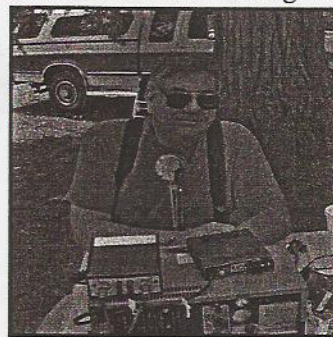
Email: havalark@jps.net

Web site: www.havalark.com

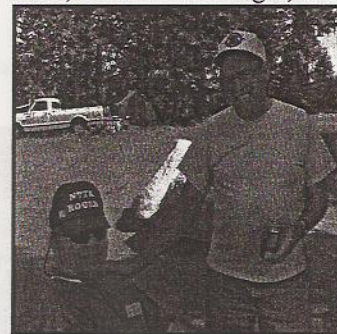
Contact Tim Woodburn, W6TJW
530.823.7595

SFARC Field Day - 2001

Field Day 2001 is over, and the consensus among the participants is "GREAT!" Setting up at Nyack again this year, the crew enjoyed great food, great weather, and great operating. Here is Bob, WA6ULL, operating on an unidentified band, using one of the classic microphones of all time, the Astatic D-104. We'll presume he is operating phone.



Dave, N6SHD and Roger, N7TK spend some time relaxing, and we are all glad to have Roger back among the healthy again.

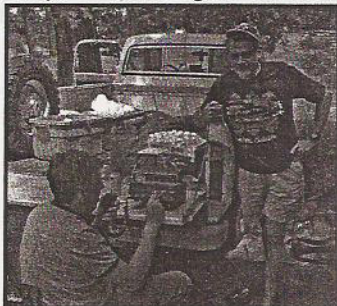


A major feature of the SFARC Field Day is always the BBQ on Saturday afternoon. This picture gives some idea of the size of the spread of food and crowd, but does not do justice to the smell

and taste of a picnic at 5,500'.



Gary, KQ6RT gets in some operating time as well.

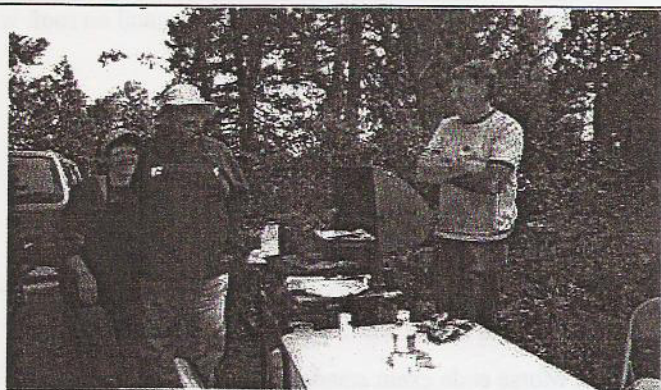


Unfortunately, your Editor was occupied at the Western States Endurance Run over Field Day, so I cannot tell you how many transmitters were on the air, how many contacts were made, or how many people participated. We can report however that

everyone had a great time. Thanks to Richard, WA6RWS, and Joe, KF6OQY, for the pictures ,, and, a BIG thanks to United Rentals for the 10KVA generator again this year.

ARES News

(Through some miracle of Microsoft technology, not yet fully understood, Wayne's column was damaged in transmission and could not be opened. I was unable to get a replacement prior to press time. It will continue in next month's issue of the SFARC News. See Steve's column in this issue for a real life example of ARES in action)



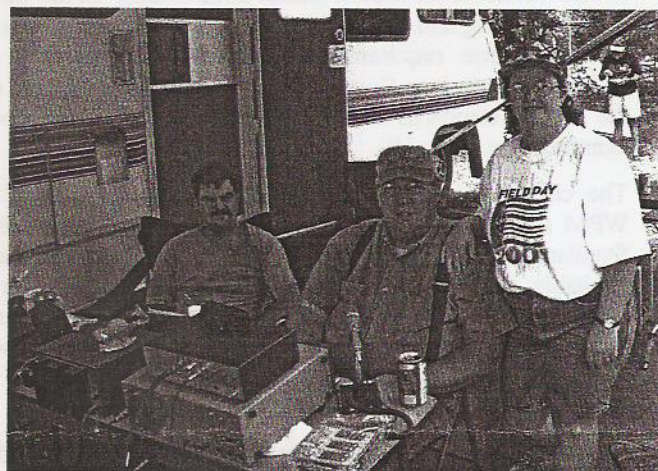
You expected to find Matt and Gary somewhere other than next to the BBQ?

Additional FD Pictures

(We had more FD pictures than text, and a little room here on the last page.)



Not everyone operated radios or ate!



Melissa models the Official ARRL Field Day Shirt.

All of the FD 2001 pictures will appear on the SFARC CD published at the end of the year for those who like to save these kinds of things.



However, eating seems to be popular

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Adobe Acrobat?

The SFARC News is looking for either a legal copy of Adobe Acrobat, or better yet, someone willing to take the MS Word 97 version via e-mail each month and convert it to a PDF file for the web site. Chris has been publishing the web copy in HTML which eliminates the 2-column format and imbedded pictures when the conversion is done automatically. A PDF file will preserve the original formatting. Contact the editor at k6dgw@arrl.net if you can help us out with this.

Finally

I apologize for the lateness of this issue. The WSER, moving my Mom into assisted living, our daughter's wedding, and attempting to live in only half-a-house just sort of overwhelmed me. I'll do better next month, I promise

73,

Fred, K6DGW

ARRL Drafts Petition for New Bands

(Courtesy ARRL Pacific Division Update)

Meeting May 5 in Dallas, Texas, the ARRL Executive Committee reviewed a preliminary draft Petition for Rule Making seeking a new US ham band in the vicinity of 5 Mhz. Experimental operation in that part of the spectrum under a license issued to the ARRL has been going on since 1999.

The Executive Committee agreed that the petition should seek a domestic secondary allocation around 5 Mhz for the Amateur Service with a bandwidth of 150 Khz. Executive Committee members will review the completed draft petition before it's filed with the FCC, possibly before the next ARRL Board meeting in July.

Participants in the ARRL WA2XSY experimental operation on 5 Mhz have established that an allocation at 5 Mhz could improve emergency communication capabilities by filling the gap between 80 and 40 meters. An amateur allocation in the vicinity of 5 Mhz long has been an objective of the International Amateur Radio Union.

Winning an allocation at 5 Mhz--even on a domestic basis--could take several years. Securing an international allocation will be more difficult and take even longer. Consideration of an allocation at 5 Mhz is not on the agenda for WRC-03 nor on the preliminary agenda for WRC-05/06.

In other matters, the Executive Committee was told that an FCC Notice of Proposed Rule Making still is expected soon in response to the ARRL's petition, RM-9404, seeking Amateur Radio access to the low-frequency spectrum. Filed in late 1998, the ARRL petition asks the FCC to establish LF allocations in the vicinity of 136 Khz and between 160 and 190 Khz.

The Executive Committee also was told that favorable FCC action is anticipated on a petition seeking to upgrade Amateur Radio's status from secondary to primary at 2400 to 2402 Mhz. The ARRL recently asked the FCC to elevate Amateur Radio from secondary to primary at 2300 to 2305 Mhz.

W1AW Seeks 80m Bulletin Reports

A change has been made to the 80-meter bulletin antenna system. W1AW is requesting from amateurs who listen to the 80-meter transmissions send in signal reports. Please note QTH, time of reception, mode, signal strength and quality. Use of the standard RST system is acceptable. Mail your report on a postcard to W1AW 80-meter reports, 225 Main Street, Newington, Connecticut, 06111. Email reports may be sent to w1aw@arrl.org. The complete W1AW Operating Schedule appears in July QST, page 105, or on the web at <http://www.arrl.org/w1aw.html>.

"Mister Guitar," Chet Atkins, W4CGP

Guitar picker, music legend and Amateur Radio operator Chester B. "Chet" Atkins, W4CGP, of Nashville, Tennessee, died June 30. He was 77. Known as "Mister Guitar," Atkins hailed from East Tennessee and began his musical career playing fiddle, but later earned his reputation as a guitarist. He went on to become the most-recorded solo instrumental musician in history.

Formerly WA4CZD, Atkins, a General licensee, obtained the vanity call sign W4CGP in 1998--the suffix standing for "certified guitar picker." He was an ARRL member. He won 14 Grammy awards during his career and was elevated to the Country Music Hall of Fame in 1973.

He was presented with a Lifetime Achievement Award in 1993 by the National Academy of Recording Arts and Sciences in part to recognize his guitar-picking technique as well as his wide influence on music. He had more than 100 albums to his credit.

In addition to his own success as a performer, Atkins helped launch the careers of other notable performers. He is given primary credit for developing the uptown Nashville Sound that helped country music to compete with pop music.

In his later years of performing, he sometimes paired up with musicians from the pop and jazz worlds and was a frequent guest on the radio program "A Prairie Home Companion."

More information on Chet Atkins can be found at: <http://www.misterguitar.com/index.html>.



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ARRL (Special)	\$28.00	Worldradio Renewal:	\$ _____
		TOTAL:	\$ _____

NOTE* 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 P.O. Box 1005, Newcastle, CA 95658.

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