



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

APRIL 2001

P.O. Box 1005, Newcastle, CA 95658

At the Key of S.F.A.R.C.

PRESIDENT

Matt Diridoni, KC6RUO
916.632.4084
mdiridoni@rsvl.net

VICE PRESIDENT

Steve Faulkner, KF6OCE
kf6oce@aol.com

SECRETARY

Joe Sylvia, KF6OQY
916.797.3149
jsylvia@vfr.net

TREASURER

Debbie Cunningham, KF6LXN
dmc@midtown.net

BOARD OF DIRECTORS

Bob Boeckman, WA6ULL
wa6ull@aol.com

Eldred Wilkerson, KD6ZSL
kd6zsl@yahoo.com

Richard Kuepper, WA6RWS
rkuepper@jps.net

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

WEBMASTER

Chris Wright, KF6OGD
wingman@newworld.net

NEWSLETTER EDITOR

Fred Jensen, K6DGW
530.885.8251
k6dgw@arrl.net

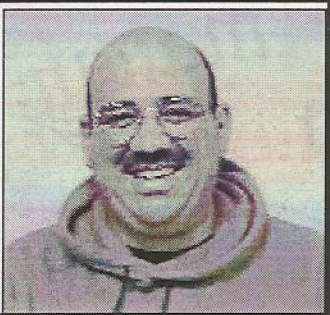
2001 Calendar of Events

(Operating Events in Italics)

Apr 11	VE Test Session
Apr 13	Regular Meeting
Apr 28	Club Breakfast
May 9	VE Test
May 11	Regular Meeting
May 26	Club Breakfast
Jun 8	Regular Meeting
<i>Jun 9-11</i>	<i>ARRL June VHF QSO Party</i>
Jun 13	VE Test
<i>Jun 23-24</i>	<i>Field Day!! Field Day!!</i>
Jun 30	Club Breakfast
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

From the President's Shack

**Matt
KC6RUO**



Another great turnout at our March meeting! If you have not had a chance to attend a 2001 meeting yet, the weather is good, so please join us. The April 13 meeting will feature Glen Stillwell, of The Radio Place. Glen will show us some of the newest "FRESH GEAR" available to Amateur Radio.

Thanks to Patrick, N6PBM for making the arrangements for the guest speaker.

I am still looking for a committee of members to work on field day. If anyone is interested in helping with this most exciting event, please call me at 916-632-4084 or e-mail me at mdiridoni@rsvl.net. So far, I have most of the footwork done, Field Day packet in hand, and permission to use the property at Nyack again. We will need a food & beverage team, if anyone is interested.

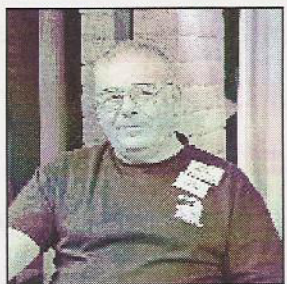
Thanks to Wayne Mikel, KE6DJE for putting together the radio operator team for the MS Walk on April 22, 2001. This is an excellent opportunity for members to get involved in a public service event. Please call Wayne at 916-645-0565, or e-mail him at KE6DJE@arrl.net if you are interested in assisting.

See you all April 13th!

73,
Matt, KC6RUO

Secretary's Report

**Joe
KF6OQY**



SFARC General Meeting March 9, 2001

President Matt KC6RUO opened the meeting at 1935 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 members and guests followed. Debbie

KF6LXN gave us her Treasurer's report followed by a satellite report from Greg, KO6TH. He spoke of the Mir satellite's return to earth. It should be visible as it burns up while entering the atmosphere. It is scheduled to fall in to the Pacific ocean. Jettie, W6RFF, did an ARRL report. He spoke of the Amateur Radio Spectrum Protection Act. It is identified as Bill # HR817. It calls for the replacement of a like frequency of any that may be taken for other uses.

The highlight of the evening was a presentation by Mr. Bill Timmons of the Railroad Museum. His topic was on the history of the California telegraph. He explained how it was laid out and what it took to become operational. He also spoke of the facilities in old Sacramento and what is current and what is planned. One of the buildings there is quite large and could have a telegraph office on each end. He also said it would be nice to have volunteer operators on each side to send messages for the tourists via telegraph. His presentation consisted of slides of the facility and some of the locomotives. There were many questions from the people in attendance. It was indeed a very interesting and informative presentation. Thank you Bill for a great evening.

Thank you to the 28 people in attendance. Michelle Cunningham once again did snack bar duty. But on her birthday?? Everyone shouted happy birthday to her. She had help that night but I must apologize for not remembering their names. Matt, KC6RUO, adjourned the meeting at 2050 hours.

Respectfully submitted,
Joe Sylvia, KF6OQY
Secretary

Vice President

**Steve
KF6OCE**



(Did not receive Steve's column by press time. Ed.)

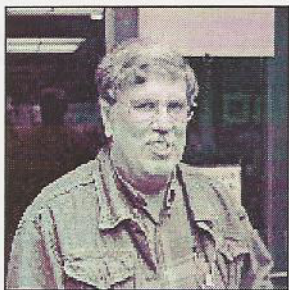
For Sale

Kenwood TS-830 with MC-50 Desk Mic and MFJ-949E Tuner. \$500.00 takes both pieces -- I do not want to sell them separate. Radio has been checked by Doc Metke recently.

Contact Wayne Mikel KE6DJE @ 916.645.0565 or watcher111@mindsync.com

*40 Years
Ago At The
SFARC*

**Gary
KQ6RT**



April 12, 1961
Home of Walt Dowdy, Auburn.

Meeting was called to order by Pres. Lin Hunter, at 8:10 PM. Minutes of the previous meeting and the treasurer's report was read and approved. The availability of the old naval reserve building was discussed. Jim Carmen stated that they had started building at the new location and that BC 610 transmitter would probably be left for our club use.

The possibility of meeting with the Aerojet club in the near future via Lin Hunter was discussed.

The annual picnic barbeque was set for Sunday, June 11th at the fairgrounds. Frank Carmen made the motion and passed. The club will provide the steaks, soda pop, ice cream and paper plates, cups and spoons. There will be a charge of \$1.00 per person, with paid up members free. The picnic committee composed of Frank Carmen, Lin Hunter, Walt Dowdy, and Sage Otow will meet on April 20th at Frank Carmen's.

The Discussion on change of meeting date was mentioned by Lin Hunter to shelve the date until we have our permanent location. Motion seconded by Craig Tindall and passed.

We are not sure of participation on Field Day at this time. Of the code class Dick Lund and Howard Davis received their conditional examinations. Meeting was motioned to adjourn by Jim Carmen at 9:35. Refreshments were served by Mrs. Dowdy

Respectfully Submitted,
Sage Otow, Secretary

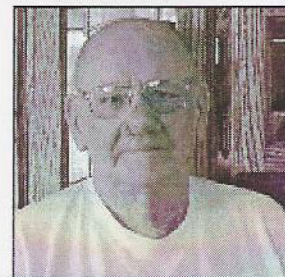
73,
Gary

SFARC Trivia

K6ARR/R hasn't always been on 145.430 Mhz. What was it's previous frequency and why did it move?

VE Report

**Bob
W6SUP**



Volunteer Examiner Report

Upcoming Exam Dates for 2001

April 11	May 9
June 13	July 13

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**



Roger, N7TK

Roger Hedgepeth, N7TK, has been hospitalized at Sutter General for treatment of an ongoing problem with his leg. As most will remember, Roger was the SFARC Vice President last year. I'm sure he would welcome visits and cards. It would be best to call first as his discharge date was not firmed up by press time.

2001 Roster In This Issue

Debbie, KF6LXN, has prepared the 2001 SFARC Roster of active members, as of April 1, 2001. Please

check your data and contact her with any corrections or omissions.

Amateur Satellites

**Greg
KO6TH**



(Greg's column was not received by press time. Ed.)

Hamfests and Swap Meets

Spring seems like the best time for hams to get together for swapping equipment and general celebration. Here are some of the nearer ones

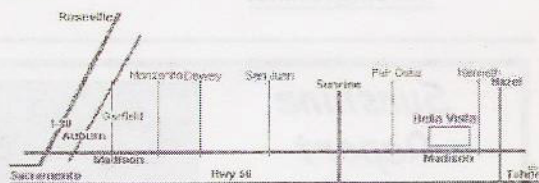
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for 0.8 mi to High School. From
Highway 50, take Hazel Ave north 2.0
mi. to Madison Ave. Turn left on
Madison Ave. Go west for 1.4 mi.
HS on right.

Raffle Tickets \$1.00
Lots of Prizes awarded
Drawings hourly
GRAND PRIZES
To be announced



6:00 AM to 12:00 PM

Bella Vista High School
8301 Madison Ave. Fair Oaks, CA

Return to NHRC Homepage, Return to NHRC Activities
Updated by Len Cobb, W6TEE.

This Year's Raffle Prizes to Include:

- 1st . Icom 207 Dual Band Mobile
- 2nd . Astron SS 30/25 Amp. Power Supply
- 3rd . Icom Q7A Dual Band HT

<http://www.k6is.org/swap.html-ssi>

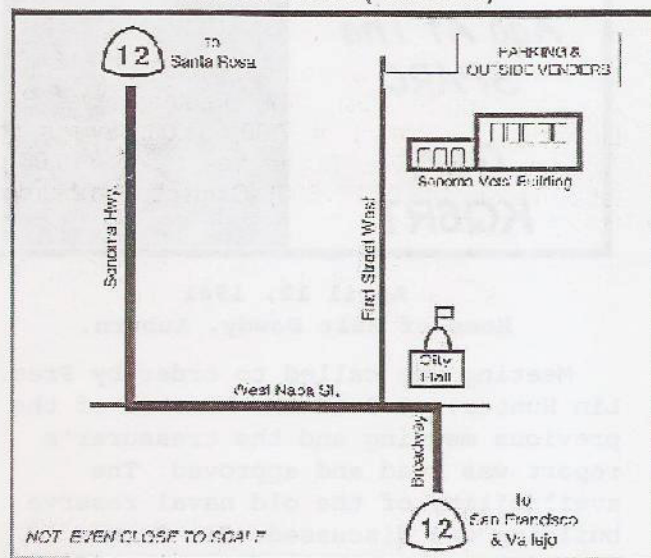
V.O.M.A.R.C

Sat - April 28, 2001
0800 - Noon

Sonoma Veterans' Memorial Bldg.
126 First Street West

Sonoma, CA

Talk-in 145.35 (-600/88.5)



Reno Spring Ham Swap 2001

Sat - May 12, 2001

0700 - ????

KNPB (Channel 5)
1670 North Virginia St
Reno, NV

From I-80, take Virginia St north just under a mile to KNPB
on the right.

Talk-in 147.060 (+600/123.0)

Vendor sites are free, but please bring your own
tables. Ample parking at KNPB and at vendor sites.
There will be a raffle in the morning hours - tickets are
\$1.00 each. Coffee, doughnuts, and home-baked
cookies will be available. For more information,
contact Glenn Haggard, KK7IH: kk7ih@nvrams.org or
775.673.6401

Other Events

(Courtesy ARRL Pacific Division Update)

Foothill Flea Market - 2nd Saturday of each month
from March through October at Foothill College, Los
Altos. The March flea market will be sponsored by
SCCARA, the Santa Clara County Amateur Radio
Association.

Livermore Swap Meet - 1st Sunday of each month at
Las Positas College in Livermore, 7:00 AM to noon, all
year. Talk in 147.045 from the west, 145.35 from the
east. Contact Cliff Chiba, KF6EII, 209.835.6715, email
larkswap@usa.com.

Shasta Cascade ARS Hamfest, March 3, 2001,
10:00AM - 3:00PM at the downtown Redding Mall.

From Interstate 5 take Central Redding exit, then left on California Street. The mall is on the left. Use the Butte entrance. Contact: Talk in 146.64

Yuba-Sutter ARC Swapmeet, March 10, at the American Legion Post, 5477 Feather River Blvd., Linda, CA. Breakfast at 7:00, \$3.00. Swaps start "whenever you arrive." Buyers free, sellers \$10.00 per table. Talk-in 146.085 (+600). Contact: Ron Murdock, W6KJ, 530.674.8533.

EMCOMM 2001, Saturday, March 31, 2001, 8:30-5:00PM. Bishop Quinn High School, Palo Cedro, California (just east of Redding). Pre-register at www.qsl.net/k6soj. (Pre-registration is requested but not required.) Talk in: 145.45 (-600) and 146.55 simplex.

International DX Convention, April 20-22, 2001. Visalia Holiday Inn, Visalia, CA. See <http://www.ncdxc.org/Ncdxc/Convention/idxc2001pre01.htm> for information, or contact Dick Letrich, W6KM, 3686 Kirk Road San Jose, CA 95124-3816, 408.267.2624, dlw6km@aol.com.

AMATEUR HAPPENINGS

New World Record on 76 Ghz Set in ARRL Pacific Division

(Thanks to Vic, AB6SO, and Will, W0EOM)

Palo Alto Amateur Radio Association member Bob Johnson, KF6KVG, and his partner, Will Jensby, W0EOM, of the 50 Mhz and Up Group, established the new record for 76 Ghz on Feb. 1, 2001, in the Pacific Division. Bob was located south west of San Jose CA on Mount Loma Prieta using a 12 inch dish antenna driven with 1 milliwatt and Will was located near Vacaville on Mount Vaca using 5 milliwatts to an 18 inch dish.

The total distance covered was 145 kilo-meters based on the "center of grid square to center of grid square" measurement approach. This measurement approach is the common method of measurement at these frequencies. Signal strength varied from S1 to S2 with fading. Water vapor absorbs signals at [these] high frequencies so the trick is to transmit on cold, clear days at high elevations. Simply creating a signal is technically challenging as you go up in frequency. Doing it on an Amateur Radio budget is even more impressive.

(Transmitting on cold, clear days at high elevations is only part of the "trick" at 76 Ghz ... just pointing the antenna correctly is another big part. Ed.)

AO-40 Team Starts Slowing Spin Rate (ARRL Pacific Division Newsletter)

Initial efforts to slow AO-40's spin rate have been successful. Peter Guelzow, DB2OS, of AMSAT-DL and the AO-40 team says magnetorqueing has been able to decrease AO-40's initial spin rate from 17.59 RPM to 15.9 RPM. "The target is something in the area of 5 RPM," Guelzow said this week.

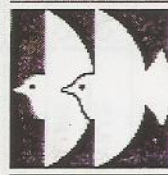
The onboard magnetorqueing system--which consists of solenoid coils--makes use of Earth's magnetic field to control the spacecraft's spin and orientation. Magnetorqueing is most effective when Earth's magnetic field is strongest, so it typically only takes place at perigee, when the satellite is closest to the Earth. Ground controllers have been making incremental adjustments during each perigee.

Guelzow said that as soon as the spin is favorable, AO-40's attitude will be adjusted to improve communication with Earth. De-spinning the spacecraft is a necessary first step to making any attitude adjustments, however.

Guelzow said the onboard YACE camera was used to take some photographs "for a quick attitude determination," but he said the digital photos were inconclusive. Additional pictures are planned once the spin rate is reduced and communication more reliable.

The AO-40 S-band (2.4 Ghz) transmitter is active and transmitting telemetry as recovery efforts continue.

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ARRL	\$34.00	Auto Patch Donation:	\$ _____	
ARRL (Spouse)	\$ 5.00	Newsletter Booster:	\$ _____	
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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