



<http://users.newworld.net/wingman/sfarc>

December 2001

P.O. Box 1005, Newcastle, CA 95658

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

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BOARD OF DIRECTORS

Bob Boeckman, WA6ULL
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Eldred Wilkerson, KD6ZSL
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Richard Kuepper, WA6RWS
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REPORTERS

Satellite Report
Greg Dolkas, KO6TH
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 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
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NEWSLETTER EDITOR

Fred Jensen, K6DGW
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k6dgdw@arrrl.net

2001 Calendar of Events

(Operating Events in Italics)

- Dec 7-9 *ARRL 160m Contest*
Dec 12 *VE Test*
Dec 14 *Christmas Dinner*
Dec 15-16 *ARRL 10meter Contest*
Dec 29 *Club Breakfast*
Dec 31 *Straight Key Night (SKN)*
Jan 11 *Regular Meeting*
Jan 26 *Club Breakfast*

SFARC 2000 - 2001 CD

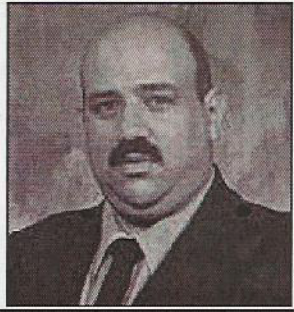
The world-famous SFARC CD will again be available at the January meeting. Price is \$1.00 to cover the CD-R blanks. If you have a SFARC 2000 CD from last year, bring it to the meeting and I'll append the 2001 data to it for you for free.

This year's CD will contain all of the 2000 CD contents, plus all of the archives from 2001, including newsletters and all pictures (some of which were not published due to space limitations).

To reserve your copy (and thus have one at the meeting for you), email the me at k6dgdw@arrrl.net or call me at 530.885.8251.

**From the
President's
Shack**

**Matt
KC6RUO**



Happy Holidays everyone! I would like to thank all the members that participated in the Roseville Holiday Parade on November 17th.

Members, please welcome the 2002 Club Officers. President, Richard Kuepper, WA6RWS, Vice President, Eldred Wilkerson, KD6ZSL, Secretary Steve Faulkner, KF6OCE. At the November meeting, no one accepted the nomination for Treasurer. Since then, Michael Hudson, KG6EFK, volunteered for the vacancy, and will be confirmed by the Board of Directors as soon as possible.

The following members are the 2002 Board of Directors: Roger Hedgepeth, N7TK, Debbie Cunningham, KF6LXN, and Bob Boeckman, WA6ULL.

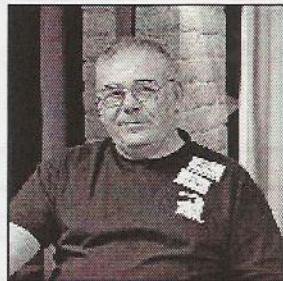
We'll see everyone at the SFARC Christmas Party on Friday December 14th.

73

Matt, KC6RUO

**Secretary's
Report**

**Joe
KF6OQY**



**General Meeting
November 9, 2001**

President Matt, KC6RUO, opened the meeting at 1942 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. Treasurer Debbie, KF6LXN, gave her treasurer's report. Matt, KC6RUO, passed a sign-up sheet to all in attendance for the club Christmas of December 14. A sign-up sheet for the November 17 Roseville Holiday Parade was also passed to all in attendance.

Matt called for anyone interested in an office position to make themselves known. The candidates for the following offices were: President: Richard, WA6RWS; Vice President: Eldred, KD6ZSL; Secretary: Steve, KF6OCE.

Because these people were unopposed, a motion was made by Bob Boeckman, WA6ULL, to white ballot these candidates. This motion was seconded by Casey, K6WJM. The membership voted and the motion was passed. The position of treasurer was not filled at this time however.

Voting for the position of board members followed and the following people were elected. Bob Boeckman, WA6ULL (roll over) Debbie KF6LXN and Roger N7TK. Congratulations to all who will represent us for the year 2002.

A letter of thanks was received and read to the membership from the Salvation Army for our donation to the New York disaster fund. Many thanks to all 31 in attendance. Meeting was adjourned at 2044 hours.

Respectfully Submitted

Joe, KF6OQY
Secretary

**40 Years
Ago At The
SFARC**

**Gary
KQ6RT**



Auburn Fair Grounds
Home Economics Bldg.
December 11, 1961

At 8:00 PM, Lin Hunter, Dick Lund, and Jim Carman worked on the tickets for the first Heath Two-er drawing.

The meeting was called to order at 8:30 by President, Lin Hunter. Minutes of the previous meeting were read by the Secretary and approved.

Jim Carman reported that the Naval Reserve building was almost vacated, and that the building will have to be turned over to the Fair Board before being turned over to our club. We can expect our first meeting in the building by February, 1962.

Mr. Clayton Goodpastor, WV6UHV, and son, Jim, of Auburn; Leon Lewis, K6ARS; Clyde Bearden; Louis Poitras; Lon Brecklehurst of Roseville; and Bruce Witwer, W6WFW, were visitors. Clayton Goodpastor joined our club.

A bill of \$6.00 for painting the club sign was approved to be paid.

Election of officers for the New Year was held with the following results:

President: Dick Lund; WA6HYO

Vice President: Otto Ruud, WV6SLW

Secretary: Sage Otow, K6ZWZ

Treasurer: Jim Carman, K6ARR

Activities Chairman: Bob Richeir, WA6SOH.

Preparations for the drawing for the Heath Tower was made by Lin Hunter and Merle Carman. The winning ticket was held by Bob Davis, who was present. Congratulations to him, and our club wishes him many hours of enjoyment.

A film was borrowed from Standard Oil by Craig Tindall was shown. It was a very interesting film on Idaho and enjoyed by all. Jim Carman operated the projector borrowed from Naval Reserve.

The meeting was adjourned at 10:30 PM and refreshments served by Merle Carman.

Respectfully Submitted,
Sage Otow, Secretary

73,
Gary, KQ6RT

SFARC Event Dates

Christmas Party: December 14

Stella Irving Room, Auburn Recreation Park. From below Auburn, exit I-80 at Newcastle, and continue through signal on Indian Hill Rd. At end, turn left to Racetrack St. on left (across from 7-11). Left on Racetrack, and then left on Recreation Dr to first building on left.

Bring Items by first letter of last name: A - L: Salads; O - Z: Deserts. The club will provide soft drinks & coffee. Turkey and Ham were donated and will be served by the club. ABSOLUTELY NO ALCOHOL can be consumed on the premises. Club is also providing paper plates & plastic ware.

*Amateur
Satellites*

**Greg
KO6TH**



(Ed. Note: Greg was unable to complete his column this month, however the following might likely be something he would have written about)

AO-40 To Hibernate

(From the ARRL Letter)

Necessary adjustments to AO-40's attitude to compensate for unfavorable sun angles over the next several months will silence the satellite's transponders for a while. Recent reports indicate that AO-40 continues to operate well, providing coverage between many parts of the world.

Command station team member Stacey Mills, W4SM, says, however, that he's puzzled and disappointed by the relatively low numbers of users on AO-40 during the last month or so. "I'm not sure why," he told ARRL this week. "This is prime time, and we won't have such good conditions much longer until the three-month 'bad angle' cycle passes."

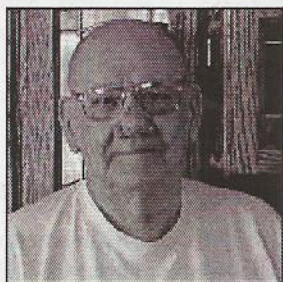
A scheduled attitude shift to compensate for the unfavorable sun angle will leave AO-40's antennas pointing away from Earth until next spring and lead to a transponder shutdown period that could start as soon as late December. The satellite is currently in a long period during which Earth eclipses the sun near perigee--its point closest to Earth. AO-40 relies on solar panels for its power.

Mills said that testing and development continue on AO-40's three-axis control system, but three-axis control would not be ready in time to avoid the unfavorable solar-angle season. AO-40 will remain in spin mode for at least a few more months, he said.

Mills estimated that ground controllers may need to start shifting the satellite's attitude starting sometime just before

VE Report

**Bob
W6SUP**



Volunteer Examiner Report

Remaining Exam Dates for 2001

Dec 12

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.
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Christmas. He didn't expect a favorable sun angle that would again allow pointing AO-40 directly toward Earth (ALON/ALAT 0/0) until mid-April. "It's possible that we can leave the transponders on during the first part of the move and turn them back on slightly before April 15 as we start back toward 0/0," Mills said, "but you can figure that things will be sub-optimal from about Christmas until April 15."

Mills said earlier this month that ground controllers now assume that AO-40's S1 transmitter is beyond recovery. The S1 transmitter quit abruptly in August, but before going down, it had produced excellent results. Ground controllers also have done additional testing on the 2-meter (V band) transmitter, which, Mills conceded, also appears lost.

The next-generation AO-40 satellite marked its first year in orbit during November. The former "Phase 3D" satellite was launched November 16, 2000, aboard an Ariane 5 launcher from the European Spaceport in Kourou, French Guiana. Transponder operation began May 5, 2001. AO-40 is the largest Amateur Radio satellite ever put into space.

The current AO-40 transponder operating schedule and more information are available via the AMSAT Web site <http://www.amsat.org>.

73,
Greg, KO6TH

(Another Ed. Note: ALON/ALAT refers to the coordinate system in which the antenna pointing direction is defined. ALAT is measured from directly "down" from the satellite, and gets increasingly positive as the antennas point more and more northerly. ALON is also measured from straight down, and gets increasingly positive as the antennas point more and more eastward, that is, up toward the direction the satellite is moving.

0/0 is directly down, and is good for using the transponders, however it will not always be ideal for the solar cells, so there's usually a compromise in effect. It's critical that the batteries be charged regularly, so apparently, due to the geometry of the solar system, we're in for a period where the compromise is really unfavorable to communications)

Coming Ham Events

Foothill Flea Market - 2nd Saturday of each month from March through October at Foothill College, Los Altos.

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, larkswap@usa.com

RadioFest 2002. Saturday, Feb. 16, 2002, 7:00AM to 3:00PM at the General Stilwell Community Center, Ord Military Community, 4260 Gigling Road, Seaside, CA. Talk-in 146.97- PL 94.8. Sponsored by the Naval Postgraduate School Amateur Radio Club. See <http://www.k6ly.org/radiofest> for additional details.

Sunshine Report

Jerri
K6GKR



No news from Jerri, which is good news for us.

National News

(From ARRL Letter and Bulletins)

FCC Compatible With Most Web Browsers

FCC says ULS now compatible with Internet Explorer and Netscape: The FCC has announced that its Universal Licensing System (ULS) now can be accessed using either Internet Explorer 5.5-6.0 or Netscape Navigator 4.5, 4.51, 4.61, 4.7 and 4.75. Until now, the ULS has supported only Netscape. The FCC says applicants may now use Internet Explorer to file applications and for all other ULS purposes. For more information, contact ULS ulscomm@fcc.gov.

For questions concerning computer access to ULS, CORES registration and FCC Registration Number, TIN/Call Sign issues, or submitting attachments in ULS, contact the Technical Support Hotline, 202-414-1250, available weekdays 7AM-10PM, Saturdays, 8AM-7PM and Sundays from noon-6PM Eastern Time. The Public Notice outlining this change is available on the FCC's Web site at http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-01-2729A1.doc

New 6th District QSL Bureau

Sixth District QSL Bureau changing manager, address: The ARRL Sixth District QSL Bureau has changed management and has a new address. Taking over effective December 1, 2001, are Arlette and Chuck Marshall, KO6IS and KD6WP, ARRL Sixth District QSL Bureau, PO Box 530, Weed, CA 96094-0530. For more information, visit the ARRL



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Sixth District QSL Bureau Web site at
<http://www.kqlz.com/qslbureau6.html>.

FCC Gettysburg Address Change

The FCC's Gettysburg, Pennsylvania, office has moved its mailroom offsite. Effective immediately, all overnight couriers—including FedEx and UPS—require the "ship to" address for the FCC Gettysburg office to be Rear entrance, 35 York St, Gettysburg, PA 17325.

The FCC said it's trying to balance accessibility with the need for heightened security and encouraged its customers to make full use of the Commission's electronic filing systems. The Gettysburg office is where Amateur Radio applications are processed and licenses issued by the Wireless Telecommunications Bureau. It's also where Special Counsel for Amateur Radio Enforcement Riley Hollingsworth has his office.

The change does not affect US Postal Service deliveries. The FCC said the USPS will continue to accept and will divert all mail addressed to 1270 Fairfield Road, Gettysburg—the office's physical location—to the off-site mailroom. Until November 30, the FCC itself will divert overnight courier deliveries to 1270 Fairfield Road to the new off-site mailroom.

"This new off-site mailroom facility does not affect applications or any other filings requiring a fee," an FCC Public Notice said. Unless paid on-line using a credit card,

amateur vanity call sign fees go to the FCC's contractor in Pittsburgh. Requests for amateur fee refunds, however, are sent to Gettysburg.

The FCC also said the staff at the Gettysburg filing counter at 35 York Street will not accept hand-delivered documents enclosed in envelopes. The filing counter is open weekdays 8 AM until 4:30 PM.

Originals and copies of each official filing must continue to be addressed to the Commission and held together with rubber bands or fasteners. "Stamp and return" copies will be provided as long as they clearly accompany each individual filing.

Filings requesting confidential treatment under the Commission's rules must also be filed without envelopes. The staff at the filing counter will enclose such filings in an FCC envelope labeled "confidential."

Questions concerning the FCC Public Notice should be directed to the Building and Facility Management Specialist, rhewitt@fcc.gov or 717-338-2535.

Extra Class Question Pool Released

The National Conference of Volunteer Examiner Coordinators' Question Pool Committee has released a revised and expanded Amateur Extra class (Element 4) question pool into the public domain. The new question pool becomes effective July 1, 2002, and must be used to generate all Extra class written examinations administered on or after that date. It replaces the Extra class question pool released April 15, 2000.

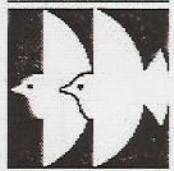
The new pool expands the number of questions to 806 as opposed to 665 in the current pool, and it contains more technical material. More than half of the questions cover electrical principles, circuits, signals and emissions.

The 50 questions in an Extra class examination are drawn from the question pool consistent with FCC rules and according to a formula that specifies the number of questions to be asked from each of nine topic areas. Applicants must correctly answer at least 37 questions to pass.

The new pool is available on the ARRL Web site, <http://www.arrl.org/arrlvec/pools.html>. The just-released Extra class question pool will remain valid through June 30, 2005.

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2001 MEMBERSHIP APPLICATION**

Name: _____ Call: _____ Class: _____ email: _____

Address: _____ City: _____ State: _____ Zip: _____

Associate Name: _____ Call: _____ Class: _____

Phone Number: _____ Application: (Circle One) New Renewal

Member Dues: Circle Amounts That Apply. Applications received in the middle of the year will be pro rated. Contact the President or Treasurer for exact rate.

Membership:	\$22.00	Name Badge:	\$5.50
Associate:	\$ 7.00	Repeater Donation:	\$ _____
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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Date: _____ Treasurer: _____ Secretary: _____ Roster: _____

Payment: _____ Check Number: _____ Cash: _____

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