



December 2003

Fresno Amateur Radio Club Newsletter

Volume 64, Issue 12

YOUR 2004 DUES ARE DUE NOW!!!! WE NEED TO HAVE THEM BY JAN.1, 2004!!!!
PLEASE MAIL TODAY OR BRING TO OUR NEXT MEETING! THANK YOU!!!!
DEC. MEETINGS: BOARD MEETING, DEC. 4/7 PM, CEDAR LANES. THE NEXT GENERAL MEETING IS OUR HOLIDAY AND AWARDS MEETING ON DEC. 12, 7 PM CEDAR LANES.
PLEASE PLAN ON ATTENDING!!!! THIS WILL BE A LOT FUN! COME AND SEE NEW AND OLD FRIENDS!!!! WE WILL HAVE GREAT DRAWING PRIZES, HORSD'VOURS, AND MUCH MORE!!!! WE WILL ALSO HAVE OUR 2003 AWARDS! EVERYONE DID SUCH A GREAT JOB THIS YEAR WITH OUR COMMITTEES AND EVENTS!!!!
PLEASE CONTACT KF6ZSW IF YOU HAVE ANY QUESTIONS. SEE YOU ALL THERE!!!!

FARC General Meetings

are the 2nd Friday of each month, 7 p.m. at Cedar Lanes/CA Catering unless otherwise noted.

Weekly Gatherings

Country Waffles:

Saturday & Monday mornings-7:00 a.m.
Corner of Blackstone & Dakota

Silver Dollar Hofbrau:

Thursdays @ Noon.
Corner of Hwy 41 & Shaw

FARC Nets

Morning Drive Time Net:

Weekday mornings-7:30—8:00 a.m.
W6TO/R 146.940 - 141.3

Tech Net:

Wednesdays @ 7:00 pm
W6TO/R 146.940 - 141.3

FARC Net:

Sundays @ 7:00 pm
W6TO/R 146.940 - 141.3

The Prez Sez

"HAPPY HOLIDAYS!!!!"

Well, it's hard to believe but 2003 is almost over!!!! We've had a great year and 2004 looks like it will be "OUTSTANDING!!!!" We have a strong Board, Committee Chairmen, and Committee members!!!! Membership is growing and we are doing great with our fund-raising efforts!!!!

PLEASE PLAN ON ATTENDING OUR HOLIDAY/AWARDS GENERAL MEETING ON DEC. 12TH! IT'S OUR LAST MEETING OF THE YEAR AND IT WILL BE GREAT TO SEE ALL OF YOU!

Our 2004 Officers for The FARC Board of Directors will be: PRESIDENT KIM DAVIS/KF6ZSW; VICE-PRESIDENT CRAIG CARTER/K6QI; SECRETARY ROB MAVIS/AE6GE; AND TRESURER BOB SAWYER/KF6FIG. I want to give special thanks to John/K6MI, who took over as our Board Secretary this year after Jim/KA6J moved to Utah. K6MI was just elected to serve again for the 2004-2006 term and will be very active on many of our committees. Special thanks goes to Bob/WA6ITN for serving as our 2003 Board Treasurer. WA6ITN did a great job as our treasurer and will continue to serve on many of our committees. WA6ITN will continue to mail out our Skip Newsletter with the help of his XYL Marcia. Thank you Bob and Marcia!!!! Getting the Skip newsletter ready to mail out is a great help to our Newsletter Editor Rob/AE6GE!

Just a reminder to the 2004 Board of Directors: our VP and Webmaster Craig/K6QI needs your photo and BIO (or updated photo and bio) to put on our Website. Please E-MAIL to Craig ASAP!!!! Please contact K6QI with any ques-

(Continued on page 3)



F.A.R.C. BOARD OF DIRECTORS

President: Kim Davis KF6ZSW
kdavis@gotnet.net 645-6849 12/31/04

Vice-President: Craig Carter K6QI
k6qi@sbcglobal.net 323-5742 12/31/04

Secretary: John Morrice K6MI
275-7373 12/31/03

Treasurer: Bob Allen WA6ITN
435-3786 12/31/04

Pat Fennacy W6YEP 12/31/03

Gene Davis W7POR 12/31/03
gdavis@gotnet.net 645-6849

Rick Fornes KA6Y 12/31/04
fornesasc@aol.com 281-4116

Ken Holden WA6OIB 12/31/03
323-6753

Rob Mavis AE6GE 12/31/04
skip@ae6ge.com 224-7187

Chuck McConnell W6DPD 12/31/03
431-2038

Richard Pack KE6SHL 12/31/04
291-2175

Newly elected Board Members for 2004-2006

John/K6MI, Gene/W7POR,
Bob/KF6FIG, Jim/KF6GKC, and
Dave/W6TE

SKIP ARTICLES DEADLINE

Please provide any SKIP material by
the 20th of the prior month. Please send
to skip@ae6ge.com

2004 BOARD MEETING DATES

AT 7 PM/CEDAR LANES:

JAN. 8, FEB. 5, MARCH 4, APRIL 1,
MAY 6, JUNE 3, JULY 1, AUG. 5,
SEPT 2, OCT. 7, NOV. 4, AND DEC.
2.

PLEASE MARK THESE DATES
DOWN.

Treasurer's Report for October, 2003

Income	\$2326.23
Expenses	652.06
Checking	4307.65
Savings	5123.68
Petty cash	50.00
Papers and cans	110.10

Papers and cans, year to date: \$979.56

The income figure, above, reflects the hard work of those who have been working the CSUF football games. I know Steve, K6FDR, could use more volunteers for this activity. This has been a great fund-raiser for the club.

I want to thank all who have contributed to the paper drive. The trailer is nearly full and will be taken to the recycler's soon. We may take it before the December meeting or immediately after. We could come close to or even exceed \$1100.00 for the year. Thank you for bagging or tying the papers. This makes it so much easier to handle.

The dues for 2004 are coming in at the club meetings and the P.O. box. We have 25 new and renewing members according to my records. Please send in your dues early. Thanks.

-Bob, WA6ITN

Local Amateur Radio Repeaters

Organization/Sponsor	Callsign	Location	Frequency	Offset	Tone
CARP	K6ARP	Meadow Lakes	147.675	-	141.3
CARP	N6JXL	Meadow Lakes	224.380	-	141.3
CARP	N6VYT	Meadow Lakes	444.725	+	141.3
CARP	N6JXL	Meadow Lakes	1286.300	-	141.3
CCAC	KE6VFU	Meadow Lakes	146.790	-	141.3
CCAC	KE6VFU	Meadow Lakes	223.780	-	141.3
CCAC	KE6VFU	Meadow Lakes	444.250	+	141.3
CONDOR	WB6BRU	Fresno	224.900	-	156.7
FARC	W6TO	Meadow Lakes	146.940	-	141.3
FARC		Meadow Lakes	223.940	-	none
FARC		Meadow Lakes	444.200	+	141.3
K6SIX	K6SIX	Mariposa	441.350	+	107.2
KARC	W6VFZ	Coalinga	224.440	-	100.0
KARC	W6EMS	Fresno	440.675	+	110.9
KARC	W6EMS	Fresno	1286.475	-	110.9
Kings ARC	KA6Q	Hanford	145.110	-	100.0
Kings ARC		Castle Peak	147.240	+	100.0
Kings ARC	W6IYY	Coalinga	147.330	+	100.0
Kings ARC		Santa Rita Peak	224.440	-	100.0
Kings ARC	N6DL	Coalinga	224.820	-	114.8
Kings ARC	KA6Q	Hanford	441.675	+	100.0
Kings ARC	N6OA	Coalinga	441.900	+	100.0
Madera Co. ARC	W6WGZ	Oakhurst	147.180	+	146.2
Madera Co. ARC			441.175	-	146.2
MTS	N6MTS	Fresno State	145.230	-	141.3
NV6B	NV6B	Fresno	224.960	-	192.8
RACES	N6HEW	Fresno	147.150	+	141.3
W6DCP	W6DCP	Parkfield	147.240	+	none

Club Contacts

Community Awareness Committee:

Steve Miller K6FDR 448-0142

2004 Field Day/RFI Committee:

Dave Smith W6TE 432-0290
w6te@pacbell.net

Education/Scholarship Chairman:

Jim Bianchi KF6GKC 432-5517

Fund Raising Chariman:

2004 Hamfest/SJV Conv. Co-Chairs:

Kim Davis/KF6ZSW & Rick Fornes/KA6Y

Papers & Cans Collections:

Marcus Beedle KG6QNY 360-7444

Public Information Officer:

Jan Whitteberry KG6SUL 229-2554
jwhitt1@comcast.net

Membership, Net Manager and

FARECC Chairman:

Gene Davis W7POR 645-6849
gdavis@gotnet.net

SKIP Newsletter Editor:

Rob Mavis AE6GE 224-7187
skip@ae6ge.com

Technical Services:

Ken Holden WA6OIB 323-6753

Web Site Manager:

Craig Carter K6QI 323-5742
k6qi@attbi.com

tions or comments.

I have made a few more Chair appointments: Gene/W7POR will serve as our FARECC Emergency Coordinator; Steve/K6FDR will serve as our FARECC Emergency Co-Coordinator; Jim/KF6GKC will serve as our Education/Scholarship Chairman; and Dave/W6TE will serve as our RFI Committee Chairman. Please contact them if you have any questions or comments.

I want to give special thanks again to Dave/W6TE and Gene/W7POR for teaching Tech. and upgrade to General Class Lic. classes this year! The students did a great job!!!! Special thanks goes to W6TE for hosting the classes at PG&E!!!! More info on 2004 classes will be available soon.

On behalf of The FARC Board of Directors we want to wish you and your family "Happy Holidays and a Very Happy/Safe New Year!!!!"

I will see all of you soon and thanks to all of you for your continued support!!!!

73, Kim/KF6ZSW and my cat CQ Shorty

THESE MEMBERS ARE CELEBRATING A DECEMBER BIRTHDAY. MANY MORE, FROM YOUR FARC FRIENDS

BOB SAWYER	KF6FIG
CHUCK MACKAY	KG6FPU
DEAN MASON	KG6MXZ
DOLORES KEETON	KF6ICI
FRED SCHILLER, JR.	KG6JL
HAROLD MURDOCK	N6RPY
J.W. GRAHAM	KB6AWN
JEFF BROWN	KD6UPP
JOHN MCCULLOUGH	AA6ID
PAUL STORVOLD	KF6QJM
ROBERT BUCHANAN	WB6QYF
ROBERT M. LOVING III	KD6HHV
STEPHEN WEBER	W6QON
STEVEN BRUNT	WC6I
TONY RAGNETTI	N6DYJ

Swap Section

Do you have a For Sale/Want? Put it in SKIP!

Your ad can be up to 30 words and be Amateur Radio related.

Members=\$FREE! (\$2.50 for ea. Addl. 30)

Non-Members=\$2.50 (\$2.50 for ea. Addl. 30)

Wanted Radioshack or similar 36' 5-section Push-up-Pole Will take most any condition.

Rob—AE6GE (559) 224-7187 or ae6ge@ae6ge.com

For Sale Collins R-390A Receiver manufactured by the Electronic Assistance Corporation

\$650.00 o.b.o., Rob—AE6GE (559) 224-7187 or ae6ge@ae6ge.com

VE Corner

Amateur Radio VE Exams in Fresno
Unlicensed thru Extra Class
Fresno Amateur Radio Club
A.R.R.L. VEC

Exams for all Amateur license classes will be conducted on the following dates in Fresno, California. Exams are given on Sunday and Begin at 1:00 P.M.

- November 2

Location: Seventh Day Adventist Central Church, 2980 East Yale, Fresno CA 93703. One block south of Clinton and one block west of First Street, southwest corner of Yale and Orchard. Watch for signs.

Directions: From Hwy 99, take Clinton Ave. exit east four miles to First St., turn right (South), one block right on Yale, one block. Look for Signs. From Highway 41, take Shields Ave exit, turn right (East), 1 mile to First St., turn right, continue one block past Clinton, right on Yale to Orchard. Look for Signs.

Theory Exams are multiple choice. Code Exam is fill in the blank. Express mail is used to send paperwork to ARRL, who sends data to FCC via electronic mail, thus assuring the fastest possible service on new licenses which typically arrive in about 2 weeks.

Bring: Two ID's, one with photo. Taxpayer ID Number (Social Security Number) or ULS registration number. **Fee is \$12.00 per test session.** Original copy of Amateur License and CSCE's if upgrading.

Talk in on W6TO/R 146.94/64 repeater.

Walk-in's only, no pre-registration.

More info contact

Chuck, W6DPD, 559-431-2038

Thomas L. Whitlock



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SAN JOAQUIN VALLEY SECTION.**Report for the month of October 2003:**

SM Charles McConnell, W6DPD- ASM K6YK, ACC W6DPD, SEC K6IN, OOC N1VM, STM K6RAU, PIC KE6IGJ, TC W6TE. Greeting from the San Joaquin Valley Section.

If your club would like news of their activities and events listed here, please send the information to your SM, w6dpd@arrl.org. Emergency Coordinators are needed in Mono and Calaveras Counties. Contact K6IN, k6sec@mercednet.com, or W6DPD (w6dpd@arrl.org) if you can help. Please write your congressional representative and urge support and co-sponsorship of HR 713, the Amateur Radio Spectrum Protection Act and HR 1478, which would apply PRB-1 to CC&Rs. Also contact your Senators and urge support and co-sponsorship of S 537, the Amateur Radio Spectrum Protection Act.

The International DX Convention will be April 23-25, 2004 at the Holiday Inn at Visalia. Check scdxc.org/visalia2004 for information. The 2004 Fresno Hamfest will be May 1, 2004, at the Ramada Inn in Fresno. This will also be the San Joaquin Valley Section Convention. As plans are completed, announcements will be placed on websites. EMCOMM 2003 South has a good attendance this year. The conference is growing in attendance and quality.

The conference for 2004 is in the planning stages. It may be in the spring of 2004. Pacificon 2003 was well attended by Hams of the SJV Section. The facility at San Ramon was an improvement over previous years. The banquet speaker, Cliff Stoll, K7TA, was superb. The convention is planning to return to the same venue for 2004. Thanks to KE6IGJ for service as DEC for the south for many years, and welcome at the new Public Information Coordinator for the section. If your club does not have a Public Information Officer to get information into the media, it should. Amateur Radio needs to get all the public exposure it can generate. We need to get our story out to the public. Congrats to the San Andreas Fault Survivors on achieving first place in the SJV for Field Day 2003, and to the Madera County ARC on second place. AA6LB is the new call sign for the Los Banos ARC. Congrats to the following who completed the ARECC Level One course: AE6LA, KB6QIT, KI6LO, and K6RRS. K6YK is on AO 40. KG6MTR has a TS 2000. Traffic for the month of October was zero. PSHR, K6RAU 54. I wish everyone a Happy Thanksgiving.

KA6Y's-----ASK THE EXPERT**Question from a fellow ham:**

What is the difference between a heterodyne and superheterodyne receiver. What is the most common receiver architecture used today?

Well that is a very good question. The word heterodyne actually means to mix. In a receiver the two most important functions is to receive very weak signals in the presence of noise and to select the wanted signal in the presence of many interfering signals. The process of selecting a wanted signal is called selectivity and is mainly dependent on filters and their shape factors. However most filters at radio frequencies (RF) don't have the shape factor required for good selectivity, thus the purpose of heterodyne receivers.

To heterodyne is to take an incoming signal, mix it with a local oscillator and down convert it to a lower frequency called an intermediate frequency (IF) Since the IF is lower than the original RF, the IF filters have a much tighter shape factor thus better selectivity. Sometimes we will down convert more than once to get very good selectivity.

Most of today's modern receivers use two or more down conversions to get the selectivity required, but with new technologies direct conversion receivers using DSP could eventually replace the heterodyne receiver. I will talk more about direct conversion receivers next time.

I hope this helps answer your question.

Happy hamming

Rick Fornes

KA6Y

ARRL Technical Specialist

fornesasc@aol.com

281-4116

Area VE Test Sessions

IF YOU MISSED THE LAST TEST SESSION IN FRESNO
HERE ARE SOME OTHER LOCATIONS:

Dec. 7 Oakhurst Contact Edward (559) 642-2789

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W6TE's Satellite—News/Tips & Techniques

Friends,

Last month we explained AO-40's operational parameters and said that I would try to clarify the published operating schedule as listed on the AMSAT website. (www.amsat.org).

Before AO-40's operating schedule is explained an understanding of the satellite's orbital position is needed. Intuitively, you might think that its position is defined in degrees specified at some arbitrary starting point... If you thought that, like I once did, you'd be wrong! The problem with that scenario is, in a totally circular orbit, how do you define the starting point? Although, in real terms, there is no perfect circular orbit... all satellites have eccentric orbits, just like the moon has around the earth and the earth has around the sun. Since all satellites have eccentric orbits, there's a point where the satellite is closest to the earth and a point where it is the farthest from the earth. These points are called perigee (closest to E) and apogee (farthest from E).

A satellites orbit is divided up into 256 equal TIME segments not degrees. These equal time segments are called mean anomalies (MA). When the MA is at 0 or 256 the satellite is at perigee (closest to E). If we lay this bit of knowledge over the operating schedule below, it might start making sense although it's still confusing, somewhat. Here is the latest operating schedule.

SCHEDULE		2003-10-31				
MA	002	080	230	244	002	
-----7-----1-----5-----0-----7						
S2/K-Tx	S	S	S	S	S	
MB	*	*	*	*	*	
RUDAK						
V/U-Rx	U	U	U	V		
Uplink		UL1				

S2/K-Tx – The S band beacon is on thru-out the entire orbit. The K band beacon is off

MB – The middle beacon is on (2369.330 Mhz.)

RUDAK – Off entire orbit

V/U-Rx – The UHF uplink is on between MA 002 and MA 244;

the VHF uplink is on from MA 244 to MA 002

Uplink – L1 uplink is on between MA 080 to MA 230

I think they could/should have come up with a much better way to report the schedule.

UO-14 “Launched January 22, 1990 by a Ariane 4 launcher from Kourou, French Guiana. The Mission Control Centre at the Surrey Satellite Technology Ltd (SSTL) Center for Satellite Engineering Research reported that the venerable and popular bird "has reached the end of its mission after nearly 14 years in orbit. Since launch, UO-14 has completed over 72,000 orbits and as many charge/discharge cycles of its on-board NiCd battery," said AMSAT-UK Chairman Martin Sweeting, G3YJO. "However recently one of the battery cells has become exhausted and can no longer support continuous operation of the repeater." Sweeting said UO-14's transmitter shuts down shortly after it is commanded "on" due to undervoltage, so the microsatellite's mission has been terminated. "Thank you UO-14 for your long service!" Sweeting concluded." This was reported from N7HPR's website.

New Satellite soon to be launched... “AMSAT-North America has announced that launch of the AMSAT OSCAR-E amateur radio microsat--the "Echo Project"-- is scheduled to launch March 31, 2004. Earlier plans had called for a May 2004 launch.”

“A Russian Dnepr LV rocket--a converted SS-18 intercontinental ballistic missile--will carry the approximately 10-inch-square satellite into a low-Earth orbit from the Baikonur Cosmodrome in Kazakhstan.”

“The satellite will incorporate two UHF transmitters, each running from 1 to 8 W and capable of simultaneous operation, four VHF receivers and a multiband, multimode receiver capable of operation on the 10 meter, 2 meter, 70 cm and 23 cm bands. Echo will feature V/U, L/S and HF/U operational configurations, with V/S, L/U and HF/S also possible. FM voice and various digital modes--including PSK31 on a 10-meter SSB uplink--also will be available.” From the AMSAT website.

73 until next month... have a great Christmas and be safe!

Dave Smith / W6TE



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Fresno Amateur Radio Club Board of Directors Meeting minutes

November 6, 2003—Cedar Lanes

Meeting Called to order by President, Kim Davis/KF6ZSW at 7:02 p.m.

Members Present: Bob Allen/WA6ITN, Craig Carter/K6QI, Kim Davis/KF6ZSW, Gene Davis/W7POR, Pat Fennacy/W6YEP, Rob Mavis/AE6GE, Richard Pack/KE6SHL.

Late Member Arrivals: none

New Board Members Present: Bob Sawyer/K6FIG.

Late New Board Member Arrivals: Jim Bianchi/KF6GKC (7:27pm) and Dave Smith/W6TE (7:08pm).

Members Absent: Rick Fornes/KA6Y, Ken Holden/WA6OIB, Chuck McConnell/W6DPD and John Morrice/K6MI.

Announcement was made by Kim Davis, President that if anyone was ruled out of order or were disrespectful, they would be asked to leave the meeting.(7:03pm)

October 2nd Board meeting minutes:(7:04pm)

Kim Davis, president asked for any corrections to the minutes that were published in SKIP. Craig Carter, Vice President said they were "peachy" and moved that the minutes be approved. The Minutes were approved as printed.

Treasurer's Report:(7:06pm)

Bob Allen handed out copies of the current treasury balance sheet and went over the line items.

Committee Updates and Reports:(7:10pm)

- Community Awareness/Fund Raising:

Kim Davis, President went over the list of past and upcoming community awareness activities.

-- Save Mart Center - FARC was invited to participate with the vendor sales at the Save Mart Center. It was reported that the club could not get enough people out to the events/training.

-- Valley Children's Hospital - FARC is going to be involved at Valley Children's Hospital with the Kids talking to Santa.

-- The idea of appointing a fundraising chairman was suggested by Steve Miller and Kim Davis.

-- FSU Football game parking problems were discussed.

- Hamfest/SJV Convention:(7:30pm)

Kim Davis, President and Hamfest Co-Chairman reported that the ARRL Section Convention applications have been submitted to ARRL. Rob Mavis passed around the latest draft Hamfest brochure.

- Holiday/Awards Meeting:(7:34pm)

Kim Davis, President explained the reason for not having an awards dinner was interest/attendance to the Christmas Dinner the last couple years has been very low.

-- The announcement was made that we are looking for a prize chairman for the Holiday/Awards Meeting.

-- Awards - Kim Davis, President stated that the Alligator Award will be retired and replaced with a more positive award. At 7:38pm Jim Bianchi left the room at which time Craig Carter, Vice President nominated Jim Bianchi for Prize Chairman. At 7:42pm when Jim returned he was notified that he was now the Holiday/Awards Meeting Chairman.

-- Rob Mavis was appointed to do the certificates.

--- Rob Mavis requested that the club purchase a toner cartridge for his printer.

- Papers & Cans:(7:43pm)

Bob Allen, Treasurer reported that the income for papers and cans was in the treasurers report handouts. It was also reported that Marcus Beedle was doing a great job and the trailer was working well.

-Special Event Station:(7:46pm)

Richard Pack reported that he would try to operate a special event station for Veterans Day. The possibility of operating a special event station on Christmas Tree Lane was discussed.

- Field Day 2004:(7:51pm)

Dave Smith reported that Field Day 2004 committee meetings will be starting after the first of the year.

- Website/Auction Chairman: (7:58pm)

Craig Carter reported that he would hold a mini-auction at the November Meeting.

Old Business:(8:04pm)

- FCC Scholarships

Kim Davis asked for a proposal for Fresno City College scholarships for this coming year. There was a discussion as to the benefits of the FCC scholarship. There was a discussion of other more beneficial scholarship ideas. Craig Carter, Vice President made the motion: "To Study who to give the \$250.00 scholarship money to." Rob Mavis Second. Vote Passed unanimously. Jim Bianchi was appointed the Education Fund Chairman.

- Fresno Amateur Radio Emergency Corps

Gene Davis referred to a proposal that was handed out to Form or reinstate a formal emergency corps within the club. Also the idea of contacting Dan Gamel for a donation of a trailer for an emergency command post. Gene Davis made the motion: to appoint a steering committee to establish the mission of the FARC Emergency Response Corps." Craig Carter second. Vote passed unanimously.

- Fresno Amateur Radio and 1910 date

Pat Fennacy reported that the only source of the 1910 date for the start of amateur radio in the central valley was the publications 200 Meters and Down. He could not find any other proof of that date. He found that in 1936 there was an application to the ARRL.

New Business:(8:46pm)

None

Motion to adjourn meeting by Craig Carter, Seconded by Rob Mavis. Meeting Adjourned to executive session to select 2004 officers at 8:47pm.

Submitted by:

Rob Mavis, Acting Secretary

Fresno Amateur Radio Club General Meeting minutes

October 10, 2003

Meeting convened at 7:03 PM at Cedar Lanes.

FARC's Annual Swap took place.


Craig/K6QI held a mini auction.

Meeting over at 8:50 PM.

Submitted by, President Kim Davis/KF6ZSW

Fresno Amateur Radio Club Membership Roster as of 16 Nov 2003

AMANDA	MORTIMER	KB9ESF	JAY W. "SKIP"	TYSON	K6YRZ	RAMON	FLORO	K6BD
ANDREW	BONDURANT	K6PYA	JEAN C.	FLORO	KG6MMI	RAYMOND	FRITH	WB6UCQ
ARLEN	VAN FOSSEN	WB6VAF	JEFF	BROWN	KD6UPP	RED	STILLMAN	W6AE
BARBARA	BENSON	WB6QDK	JEFF	HUSELID	WB6ZBX	RICHARD	ESSEGIAN	K6REE
BARBARA	POWELL QUILLIN	AE6GF	JERRY L.	SOKOL	KB6KMK	RICHARD	PACK	KE6SHL
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BENNY A.	WILLIAMS	KW6N	JIM	HAYNES	KA6J	RICHARD	WILSON	W6GV
BERGE	BULBULIAN	W6XC	JIM	HICKS	KB0PVQ	RICHARD "RICH"	PARKER	K6HYM
BIGGIE	BURKHOLDER	N6GPA	JIM	KLASSEN	KG6SZC	RICK	FORNES	KA6Y
BILL	BLISS	KD6AHF	JIM	NELSON	W6ALE	ROBERT	BONDURANT	W6RUJ
BILL	HOLLAND	KF6VBZ	JIM	SIMS	KD6IBO	ROBERT	GONZALES, JR	KK6LT
BILL	PARENT	KE6OUG	JIMEE	CURRIE	KD6HMM	ROBERT	LIVSEY	N6TSK
BILL	WOODY	W6GM	JIRA	PARAKUL	W6/HS2TBC	ROBERT	MAVIS	AE6GE
BOB	AIRHART	WA6RTS	JOHN	ANDERSON	KF6K CZ	ROBERT	NIGG	KB6JAO
BOB	FLEMING	WA6CVQ	JOHN	DILLON	KF6ECA	ROBERT	STUCKY	K6LYI
BOB	HAVEN	W6DWU	JOHN	MARTIN	KG6AWB	ROBERT	WENDEL	W6KOC
BOB	HERVATINE	W6FRH	JOHN	MC CONNELL	K6ESL	ROBERT B.	BUCHANAN	WB6QYF
BOB	SAWYER	KF6FIG	JOHN	MCCULLOUGH	AA6ID	ROBERT M.	LOVING III	KD6HHV
BOB	WOOD	WB6VTJ	JOHN	McGRAW	KF6SVI	ROBERT S.	ALLEN	WA6ITN
BRITTANY	BIANCHI	KG6GIX	JOHN	MORRICE	K6MI	ROBERT S.	FLAHERTY	KG6DXH
CATHERINE C.	FLORO	KG6MMJ	JOHN	PRITCHETT	W6JWK	RODNEY	BENSON	WB6QDN
CHARLES	MC CONNELL	W6DPD	JOHN	STEWART	KB6DK	RODNEY	CLIFFTON	WA6IUJ
CHARLES	PERKINS	KR6KR	JOHN A.	YOUNG	WB6TGW	ROGER	MORTIMER	KF6VCF
CHARLES E.	BARROW	WA6WQG	JOSHUA	BROWN	KG6QHN	RUDY	RULLODA	AA6IZ
CHRISTOPHER	DENNY	KD6HTV	JUDY	HAMAN	KF6DSR	SABRINA	PACK	KE6SHM
CHUCK	MACKAY	KG6FPU	KAREN	PRITCHETT	KF6FGP	SALLY	SCHILLER	N6KYQ
CHUCK	SMITH	WJ6J	KEITH	GRAVES	KA6LAC	SHARON D.	ANDERSON	KF6IMF
CRAIG	CARTER	K6QI	KEITH	LIGHTFOOT	KG6DAM	SOLOMON	WELLS	KD6GHC
DANIEL	PRUITT	KG6ALC	KEN	HOLDEN	WA6OIB	STAN	BABCOCK	AC6TO
DAVE	FINLEY, JR.	WB6GJG	KEN	WALSH	WB6C	STAN	OSTROM	W6XP
DAVID	AUSTIN	KA6VTA	KENNETH	GRIFFIN	WA6HII	STEPHEN	WEBER	W6QON
DAVID	DAWSON	KO6JL	KIMBERLY	DAVIS	KF6ZSW	STEVE	BASSETT	NA6G
DAVID	HATCH	KI6JQ	LARRY	COTTOM	KD6YAY	STEVE	HENDERSON	N6RHH
DAVID	SMITH	W6TE	LARRY	FLEMING	KE6FUR	STEVE	JAMESON	KF6ECF
DAVID E	BLEVINS	KG6HTE	LELAND	RHOY	AC6WS	STEVEN	BRUNT	WC6I
DAVID M.	HOGUE	KD6WBA	LEROY "JAY"	FLAHERTY	KF6ZDW	STEVEN R.	MILLER	K6FDR
DAVID W.	COLLINS	N6BYI	LISA	NELSON	KG6SZA	STUART	HOME	WB6VRJ
DEAN F.	MASON	KG6MXZ	LIZ	HUSELID	KG6SYZ	TED	KIZIRIAN	W6UBK
DOLORES	KEETON	KF6ICI	LOIS ANN	GRAVES	N6MLD	TED	MILLER	K6FGE
DON	MORAN	WB6NON	MARCI	JARVIS	KG6KYT	TERRY	HORAK	KF6LXB
DONALD	BURR	AJ6X	MARCUS	BEEDE	KG6QNY	THOMAS	BALMANN	KE6QHA
DOUGLAS	JOHNSON	WA6YYY	MARLENE	KEITH	KG6DAK	TOM	JARVIS	KG6KYU
DUANE	KEPLER, SR.	KB6PJM	MATTHEW C.	FLORO	KG6MTO	TOM	KIPPS	KA6Z
ED	BONDASHU	WA6U	MICHAEL	PEDERSEN	KF6POU	TOM	WARECKI	KG6FGO
ED	CUTLER	KC6LPL	MIKE	BAVOSO	W6YDE	TONY	RAGNETTI	N6DYJ
ED	KRAFT	KA6ACE	MRS. ISABEL	LION		VAROUJAN	KALINIAN	N6DBH
EDMUND F.	COTTERS	AC6FD	NEY	LANDRY	W6UDU	VAUGHN A.	JUPE	N6VA
ERIC	HUSELID	KG6SYY	PAT	FENNACY	W6YEP	VERNE	JOHNSON	K6ANM
EUGENE	LAI	W6SAY	PAT	KRAFT	KA6SRN	WILLIAM A	HOEY	KF4EOP
FRAN	ROSS	N6JQW	PAT	MARTIN	KG6BXZ	WILLIAM R	SUTTON	KG6ZO
FRANK	BOWEN	N6BWW	PAT	PACK	KF6HNF	ZACHARY	LEDBETTER	KG6LYX
FRED	SCHILLER, JR.	KG6JL	PAUL	LAMBERT	W6WYT			
GARY	GLEIM	W6OCW	PAUL	STORVOLD	KF6QJM			
GARY	PAYNE	KE6CZ	PAUL	SULLIVAN	W6VPS			
GENE	DAVIS	W7POR	PAUL G.	MESSNER	KG6JYA			
GERALD	BOGDANOFF	N6AJ	PERRY	FOSTER	K6XJ			
GERALD	McDOUGAL		PHILIP	COVER	KG6ALG			
GIL	HERNANDEZ	KOREO	R. NICK	HAUCK	K6QPE			
GLEN	CAINE	N6HEW	RALPH	SAROYAN	W6JPU			
GORDON	KEETON	KQ6TG						
GRANT	STOREY	W6NTK						
GREG	GLEICHWEIT	K6ZNI						
GUSS O.	KEITH	KF6ZXO						
GWYNNE	HOLDEN	WA6VZM						
HAROLD	KROEKER	KE6BTC						
HAROLD	MURDOCK	N6RPL						
HAROLD	REEKS	KF6CL						
HARVEY "SMITTY"	SMITH	WB6EYC						
J. W.	GRAHAM	KB6AWN						
JACK	BAKER, SR.	AC6LT						
JACK	PRUITT	K6CME						
JAKE	MIRIGIAN	W6JXY						
JAMES	BIANCHI	KF6GKC						
JAMES	CURRIE	KB6NAZ						
JAMES	STEINKRAUS	W6OW						
JAMES	WATKINS	KE6SHK						
JAMES "BURT"	WILCOX	WA6PTG						
JAMES "JIMMIE"	WAKEFIELD	W6PSQ						
JAN	WHITTEBERRY	KG6SUL						



Michael B. Staal K6MYC
Vice President/Designer

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 Home Phone _____ Business Phone _____
 Occupation _____ Birthdate _____
 License Class _____ Year first Licensed _____
 E-mail Address _____ ARRL Member? _____

I am interested in serving on one of the committees; please contact me with more details _____.

FARC – P.O. Box 783, Fresno CA 93712-0783

Upcoming 2003/04 FARC Events

- Dec. 12 Holiday/Awards/Drawing
 General Meeting:7PM Cedar Lanes
- Jan. 9 Presentation: Handling Third Party Traffic
- Feb. 13 FARC Talent Night and
 Happy Valentine's Day
- Mar. 12 Presentation by N6DBH/Varouj,
 Ham Radio
- Apr 9 Presentation by KA6Y/Rick,
 Tech Talk
- Apr 30 Hamfest Hospitality Room,
 Ramada Inn, 6-10 PM
- May 1 Fresno HAMFEST/
 ARRL SJV Section Convention
 Ramada 7AM-3PM
- May 14 PSK31 Presentation,Craig/K6QI
- June 11 Field Day Pre-View/Dave W6TE
- 26-27 Field Day/CSUF O'Neill's Park
- July 10 FARC Annual Summer Picnic
 CSUF O'Neill's Park 11-3 PM
- Aug 13 Antenna Presentation &
 Open nominations to the Board
- Sept10 Laser Demo,AE6GE/Rob
- Oct 8 Ballots are in & counted and
 EME Presentation
- Nov12 Swap and Auction
- Dec 10 Holiday/Awards/Drawing -Gen. Meeting