



Oct 2005

Fresno Amateur Radio Club Newsletter

Volume 66, Issue 10

Our next general meeting will be on Oct. 14th at Cedar Lanes at Cedar and Shields. The meeting starts promptly at 7:00 pm. The next board meeting is Oct. 11th at the Woodward Park Library at the corner of Perrin and Champlain. That meeting also starts promptly at 7:00 pm. This upcoming meeting is the General Meeting required every year, make sure your there.

FARC General Meetings

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

2005 FARC BOARD MEETING DATES

AT 7 PM—Woodward Park Regional Library
Oct. 11th

FARC Nets

Morning Drive Time Net:
Weekday mornings-7:30—8:00 a.m.

W6TO/R 146.940 PL-141.3

Tech Net:

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

FARC Net:

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

The Prez Sez

Looks like Fall has finally made it, along with hurricane season. While watching the news as yet another hurricane approached the US coast, I was thinking about how technology is taken for granted. Not only by the public, but the Government and Public Service agencies as well. I think about all the articles I've read in the last few years about how government agencies and local municipalities are still having a hard time accepting accept Amateur Radio as a viable and important communications resource. You've heard the stories; how Emergency Services does not need Amateurs, as it is the intent of the various agencies to utilize their sophisticated communications equipment to facilitate communications in a disaster area. And when the next disaster inevitably occurs, these means of communications are typically rendered useless. But, Amateur Radio is there, immediately, and is usually the first means of communications in and out of the stricken area. But alas, once the standard means of communication is restored, Amateur Radio slowly slips quietly back into the ether, waiting for the next test, to show that what we do is not only a hobby, but a very important service to the public. *Ok, ok!* I'll step down off my soapbox. I am very pleased with the turn-out at the club meetings. Thank you for making the Fresno Amateur Radio Club one of, if not the best club in the Valley!

See you at the next meeting or on the airwaves!

Rob Ae6ge

Looking for Hamfest 2006 Volunteers see any Board member to sign up!

2005 FARC BOARD OF DIRECTORS

President:	Rob Mavis	AE6GE	ae6ge@w6to.com	360-2505	12/31/06
Vice-President:	John Morrice	K6MI	k6mi@w6to.com	275-7373	12/31/05
Secretary:	Dave Smith	W6TE	w6te@w6to.com	323-6095	12/31/06
Treasurer:	Jim Nelson	W6ALE	w6ale@w6to.com	447-5422	12/31/06

Board Members

Ken Holden	WA6OIB	wa6oib@w6to.com	323-6753	12/31/06
Bob Sawyer	KF6FIG	kf6fig@w6to.com	251-2686	12/31/06
Paul Lambert	W6WYT	w6wyt@w6to.com	240-8519	12/31/06
Dan Pruitt	AE6SX	ae6sx@w6to.com	779-2974	12/31/05
Ted Miller	K6FGE	k6fge@w6to.com	431-1441	12/31/05
Marcus Beedle	KG6QNY	kg6qny@w6to.com	360-7444	12/31/05
Tom Jarvis	KG6KYU	kg6kyu@w6to.com	916-2445	12/31/05

Lunch Gathering
 Every Thursday at 12:00
 PM
 Silver Dollar Hofbrau:
 Corner of
 Hwy 41 and Shaw
Breakfast Gathering
 Mondays and Saturdays
 Country Waffles
 Blackstone and Dakota
 7:00 AM

Tuesday
 Denny's
 Shaw and West
 8:00 AM

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ARRL Field Organization - San Joaquin Valley Section:

Chuck McConnell, W6DPD, Section Manager
 Bob Hervatine, W6FRH, Assistant Section Manager
 Victor Magana, N1VM, Official Observer Coordinator
 Barbara J Gardiner, KE6IGJ, Public Information Coordinator
 Marie S Thompson, N6ZFN, Section Emergency Coordinator
 Fred B Silveira, K6RAU, Section Traffic Manager
 David Smith, W6TE, Section Technical Coordinator

AMSAT Field Organization:

David Smith, W6TE, AMSAT AREA Coordinator

Club Contacts

Field Day Committee Chairman:

Dave Smith W6TE323-6095

Education/Scholarship Chairman:

Ted Miller K6FGE431-1441

Hamfest Co-Chair:

Vacant at this time

Net Manager

John Morrice K6MI275-7373

SKIP Newsletter Editor:

Jim Nelson W6ALE.....447-5422

Tech Committee:

Ken Holden WA6OIB.....323-6753
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Local Amateur Radio Repeaters

<u>Organization</u>	<u>Call sign</u>	<u>Location</u>	<u>Freq</u>	<u>Offset</u>	<u>Tone</u>
AARC	WB6QDN	FRESNO	146.610	-	NONE
CARP	K6ARP	MEADOW LAKES	147.675	-	141.3
CARP	N6VYT	MEADOW LAKES	444.725	-	141.3
CARP	N6JXL	MEADOW LAKES	1286.300	+	141.3
CCAC/WIN	K6JSI	MEADOW LAKES	146.790	-	141.3
CCAC/WIN	K6JSI	MEADOW LAKES	444.250	+	141.3
CONDOR	WB6BRU	FRESNO	224.900	-	156.7
FARC	W6TO	MEADOW LAKES	146.940	-	141.3
FARC	W6TO	MEADOW LAKES	223.940	-	NONE
FARC	W6TO	MEADOW LAKES	444.200	+	141.3
K6SIX	K6SIX	MARIPOSA	441.350	+	107.2
KARC	W6EMS	FRESNO	440.675	+	110.9
KARC	W6EMS	FRESNO	1286.475	-	110.9
KINGS ARC	KA6Q	HANFORD	145.110	-	100.0
MADERA ARC	W6WGZ	OAKHURST	147.180	+	146.2
MADERA ARC	W6WGZ	OAKHURST	441.175	-	146.2
MTS	N6MTS	FRESNO ST.	145.23	-	141.3
QCWA	WQ6CWA	FRESNO	146.85	-	141.3
QCWA	WQ6CWA	FRESNO	443.25	+	107.2
RACES	N6HEW	FRESNO	147.150	+	141.3
W6DCP	W6DCP	PARKFIELD	147.24	+	NONE

Two surprise visitors showed up at the Amateur Radio Awareness Day in conjunction with Homeland Security. Gordon "Gordo" West WB6NOA (below) and Andy Oppel N6AJO (right) vice director Pacific Division. They stopped by to see the rest of the gang and lend their support. This day was to show how fast amateur radio can react under emergency circumstances.

Thomas L. Whitlock



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Ham radio operators to the rescue after Katrina

Amateur radio networks help victims of the hurricane

With telephones down and wireless service disrupted, at least one group of people did manage last week to use technology to come to the rescue of those in need.

Often unsung, amateur radio operators regularly assist in emergency situations. Hurricane Katrina was no exception. For the past week, operators of amateur, or ham, radio have been instrumental in helping residents in the hardest hit areas, including saving stranded flood victims in Louisiana and Mississippi.

Public service has always been a large part of being an amateur radio operator. All operators, who use two-way radios on special frequencies set aside for amateur use, must be tested and licensed by the federal government, which then issues them a unique call sign. (Mine is W2GSK.)

Ham operators communicate using voice, computers, televisions and Morse code (the original digital communication mode.) Some hams bounce their signals off the upper regions of the atmosphere, so they can talk with hams on the other side of the world; others use satellites. Many use short-range, handheld radios that fit in their pockets.

When disaster strikes, ham networks spring into action. The Amateur Radio Emergency Service (ARES) consists of licensed amateurs who have voluntarily registered their qualifications and equipment for communications duty in the public service.

In this disaster a number of ham emergency stations and networks have been involved in providing information about this disaster – from [WX4NHC](#), the amateur radio station at the National Hurricane Center to the [Hurricane Watch Net](#), the [Waterway Net](#), [Skywarn](#) and the Salvation Army Team Emergency Radio Network ([SATERN](#)).

On Monday, Aug. 29, a call for help involving a combination of cell telephone calls and amateur radio led to the rescue of 15 people stranded by floodwaters on the roof of a house in New Orleans. Unable to get through an overloaded 911 system, one of those stranded called a relative in Baton Rouge. That person called another relative, who called the local American Red Cross.

Using that Red Cross chapter's amateur radio station, Ben Joplin, WB5VST, was able to relay a request for help on the SATERN network via Russ Filling, W7LXR, in Oregon, and Rick Cain, W7KB, in Utah back to Louisiana, where emergency personnel were alerted. They rescued the 15 people and got them to a shelter.

Such rescues were repeated over and over again. Another ham was part of the mix that same Monday when he heard over the same Salvation Army emergency network of a family of five trapped in an attic in Diamond Head, La. The family used a cell phone to call out. Bob Rathbone, AG4ZG, in Tampa, says he checked the address on a map and determined it was in an area struck by a storm surge.

He called the Coast Guard search-and-rescue station in Clearwater, explained the situation and relayed the information. At this point, the Coast Guard office in New Orleans was out of commission. An hour later he received a return call from the South Haven Sheriff's Department in Louisiana, which informed him a rescue operation was under way.

Another search-and-rescue operation involved two adults and a child stuck on a roof. The person was able to send a text message from a cell phone to a family member in Michigan. Once again, the Coast Guard handled the call.

Relief work is not just relegated to monitoring radios for distress calls. The organization representing amateur radio operators, The American Radio Relay League or ARRL, now is seeking emergency volunteers to help supplement communication for American Red Cross feeding and sheltering operations in Mississippi, Alabama and the Florida Panhandle — as many as 200 locations in all.

Hams who wish to volunteer their time and services should contact the Hurricane Katrina volunteer registration and message traffic [database](#).

And, for the first time, the federal government will help hams help others. The Corporation for National and Community Service ([CNCS](#)) will provide a \$100,000 grant supplement to ARRL to support its emergency communication operators in states affected by Hurricane Katrina. The grant will help to fund what is being termed "Ham Aid," a new program to support amateur radio volunteers deployed in the field in disaster-stricken areas.

One last note for ham operators in the stricken area: The FCC has announced that it's extending amateur license renewal deadlines until October 31, 2005.

Meet your new board members

Thank you for the opportunity to serve on the Board of Directors for the Fresno Amateur Radio Club. I was born and raised in Porterville, Ca and moved to the Fresno/Clovis area in 1983 to attend Fresno State. I graduated from Fresno State in 1986 and have remained in the area spending the last 15 years working as the IT Director at Lang, Richert and Patch. I am new to Amateur Radio having received my Technicians Class license in February of 2005. I am excited about working with the club and look forward to recruiting new members and promoting the valuable services that are provided to the public by Amateur Radio and it's members



Darin Land Kg6yle

I would like to take this opportunity to thank the club for allowing me to serve on the board for another term.



As most of you know I have been very active with club functions since joining the club in 2001. I will continue to do what I can to keep the club on a positive path toward bigger and better things. I look forward to another successful year.

Ted Miller W6tlm

I wish to thank all members who voted for me. One of my goals will be New Hams ...New Members.. I will be working with the Hamfest committee for 2006 Please call me at home or my place of business if you have any concerns or question.



Tom Jarvis Kg6kyu

Thank you for selecting me to join the Board of Directors for FARC. I appreciate the opportunity to help with the leadership of the club for the next couple of years. I have been part of the leadership with two other ham radio clubs and hope to use that experience to make this club one that we can all be proud of. What I look forward to most is the opportunity to work with each of you on the various projects and activities that we have throughout the year. All of us on the board will be looking to you for help and I want to thank you now for the help you will provide. This club will only grow through everyone's participation and help. If you have any suggestions on events or topics for the meetings, let us know. This is a great hobby, a great place to learn new things, to improve our operating methods and besides that it is a lot of fun. Let's make 2006 a great year! Thanks again



Camera Shy

Steve Bassett Na6g

It has been an honor to serve as an appointed member of the Board of Directors during this past year. I'd like to think I was some small part of our successful Field Day and Hamfest and the year in general. I have enjoyed doing my part for the club and I plan to continue with what I consider a 'work in progress'. This board was positioned with the daunting but simple task of restoring the 'Fun' back into the hobby we love and the club we support. I think we accomplished this in the short term.



In the long term, I thank you for the chance to help establish some foundations. I think we need to promote Amateur Radio in Fresno. Re-instate programs that welcome new hams, help current hams upgrade or learn new modes and re-establish our place in the community. These are my goals during my term.

Thank you for the opportunity to continue with what we have started in our club and try to posture the club a little higher in the community. In short I'm grateful for your support and appreciate your confidence in the coming term.

Dan Pruitt Ae6sx

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THE DX CORNER
Charles McConnell W6DPD

NOTICE: The address of the Sixth District QSL Bureau is now P. O. Box 970, Fairfax CA 94978-0970. You can send address labels and \$0.60 for each envelope to the address above. They will put 1 unit of First Class postage on the envelope. There are 2 big contests this month (October). The California QSO Party (CQP) is October 1 and 2. The event begins at 1600 UTC on October 1 and ends at 2200 UTC on October 2. You can check www.cqp.org for rules and log sheets. This is a good time to make contacts for the Worked All States Award (WAS). This also gives California stations a chance to be sought out by hams from other states. There are also DX stations that participate in CQP. The exchange is a contact number and county for California Stations. It is contact number and state or province for other stations.

The second is the CQ World Wide SSB DX contest on October 29-30. The exchange is signal report and CQ Zone which is 03 for the western US including California. The contest begins at 0000 UTC on Oct 20 and ends at 2359 UTC on October 30. You can find the rules in the September issue of CQ Magazine or at www.cq-amateur-radio.com, then click on contest rules and info. This is a good event to increase your DXCC entity total and/or band countries for the DXCC Challenge.

There are 3 major DX operations scheduled between now and February 2006. The first is Kure Island, K7C scheduled from Sept. 22 or 24 to October 8. This one has not been active for sometime and is high on the most wanted list, especially in Europe. The web page is www.cordell.org/htdocs/KURE.

The second is Glorioso

Island, FR/G, in October to November. The exact dates depend on the French military. This is a rare one, as the French do not allow foreign operators on the island. The web page is http://www.glorieuses2005.free.fr/index_frame.html.

The third one is Peter 1 Island scheduled for late January to early Feb 2006. This will be the third operation from this rare one. The web page is www.peterone.com.

Other DX operations scheduled are:
Wake Island, (KH9), Sept. 19 to 30.
Bhutan (A52) Oct. 3 to 10.
Christmas Island (VK9X) Oct, 24-Nov. 7.
Montserrat (VP2M) Oct. 26 to Nov. 4.
Temotu (H40) Nov. 5 to 11.

Watch the DX Bulletins for up to date information. As the time for the operation is at hand, watch the DX Summit for listings.

Good luck and tune the dial.

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"Yes I really am running just 5 watts QRP...although I suppose I do have an above average antenna system..."

ARRL Section Report

SAN JOAQUIN VALLEY SECTION Report for the month of August 2005:
SM Charles McConnell, W6DPD- ASMs K6YK and W6FRH, ACC W6DPD, SEC N6ZFN, OOC N1VM, STM K6RAU, PIC KE6IGJ, TC W6TE.

Greetings from the ARRL San Joaquin Valley Section.

If you would like to help with the relief effort but are unable to physically to the disaster area, Mary Hobart, K1MMH says you can mail a contribution to ARRL designated for Ham Aid, a program that will support our hams deployed during the Katrina response and recovery. K1MMH is the development director at ARRL HQ.

Let the seller beware! The ARRL again cautions anyone selling Amateur Radio and related equipment via Radios On-Line or QST Ham Ads (or via on-line auction sites or other advertising media) to beware of so-called "advance fee fraud" (or 4-1-9) payment schemes www.secretservice.gov/alert419.shtml aimed at ripping you off. We continue to receive reports from ARRL members who have received responses to their ads from individuals offering to overpay for goods via bank check with instructions to deduct the cost of their item(s) from the overpayment (typically quite substantial) and return the "change" to the buyer or another individual. The "bank check" is bogus, however, and the seller ends up holding the bag. This is a well-known scam. There's additional information on the Scam Victims United Web site www.scamvictimsunited.com/. Remember: Transact carefully, and protect yourself from fraud! (From the ARRL Letter)

Emergency Coordinators are needed in Kings, and Merced Counties. Contact N6ZFN (n6zfn@ares-races.net) or W6DPD (w6dpd@arrl.org) if you can help.

N6GOD is the new EC for W. Kern County. KO6HV is the EC for Calaveras County. AE6SX is the new EC for Fresno County. Thanks to N6ZFN for many years of service as the EC for W. Kern County. She remains as the SEC. Thanks to AE6QP for service as the Fresno County EC.

The California QSO Party is October 1-2, 2005. Try to be on the air and activate your county. Check

www.cqp.org for information. This is the best of the state QSO parties. This is your chance to be searched out on the air for contacts.

Pacificon 05 will be October 14-16, 2005 at the San Ramon Marriott. Check www.pacificon.org for information. The Annual Turlock ARC Auction is October 22, 2005. Check www.w6bxn.org for information.

When your affiliated club elects officers for the next year, be sure to update your club's information on the affiliated club area of the ARRL web page.

Need to take an Amateur exam? Check the ARRL web page, www.arrl.org for exam information. You can also search for Amateur Radio Classes in your area.

The Northern California Net (NCN), the Section Traffic Net, meets nightly on 3.630 MHz at 7 PM Pacific Time. The slow speed training session of the net meets nightly on 3.705 MHz at 9 PM Pacific Time. Handling traffic on CW is a good way to improve your CW skills. The Daytime Region 6 Traffic Net meets daily at 3:30 pacific time on or near 7.275 MHz.

It is my sad duty to report that W6YKQ and W6JTA are Silent Keys. They will be missed.

Congratulations to N5FDL on completing the ARECC Level 3 Course and to KA6PNL and K6PPJ and N6SUZ on completing the ARECC Level 1 Course.

The 63rd Fresno Hamfest was a success. Everyone had a great time. Bob Heil K9EID, was the featured speaker. KG6KYT won a handheld radio. WA6LUT won a Heil Microphone. WA6LTO won the FT 897D. The bottom line was in the black.

QCWA Fresno Chapter 213 presented a Meritorious Service Award to S/T W6DPD.

Traffic for August: K6RAU 18, and N6SUZ 76; Total 94. PSHR K6RAU 76, N6SUZ 105.

Fresno VE Page

AMATEUR RADIO VE EXAMS IN FRESNO UNLICENSED THRU EXTRA CLASS FRESNO AMATEUR RADIO CLUB ARRL VEC AMERICAN RADIO RELAY LEAGUE 2005

Exams for all Amateur license classes will be conducted on the following dates in Fresno California. All exams are given on Saturday and begin at 9:30 AM.

November 12

LOCATION: ...Bonaventure Mobile Home Park, 1724 Minnewawa Ave Clovis CA 93612-2545. Exams are held in the community room.

DIRECTIONS: From Highway 99 South of Fresno, exit Clovis Ave. Go north to Shaw and turn left on Shaw to Minnewawa. Turn right on Minnewawa and then left to the Mobile Home Park.. From Highway 41 or Highway 99 North of Fresno, take Shaw Ave. exit, turn right (East), to Minnewawa Ave and turn left. Then turn left into the Mobile Home Park.

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 two weeks.

BRING. Two ID's, one with photo. Taxpayer ID Number (Social Security Number), ULS registration Number or FCC Registration Number. Fee \$14.00 per test session. Bring Exact change. Original and copy of Amateur License and CSCE's if upgrading. Talk in on 146.94 repeater.

Walk in's only, no preregistration.

More Info?? Contact Paul AE6QP, (559) 297-8478



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11					12		13			14	15		
				16					17				
		18						19			20	21	
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44	45						46		47		48		49
50			51				52						53
		54				55			56	57			
	58			59					60				61
62						63					64	65	
66			67						68				

Across

- 1. Measure of signal strength (compound word)
- 6. Group that hates antennas (abbr.)
- 8. Hams advance this aspect of radio
- 11. Shield that mounts on back of an SO-239
- 12. Spurious gain control system response
- 14. Receiver section that varies the receive frequency
- 16. Add "I" to get an apology
- 17. Numeric performance metric (abbr.)
- 18. The ability to reject unwanted signals
- 20. Liquid that flows in antenna supports
- 22. Connector that joins three cables
- 24. Prefix of home to Macchu Picchu
- 25. Backlight for LCD (abbr.)
- 26. Doesn't work (abbr.)
- 28. Touch tones (abbr.)
- 29. System that turns off audio between signals
- 33. Type of signal
- 35. Not relevant (abbr.)
- 36. DX ...!
- 37. Video system
- 39. Listen
- 41. What a hot receiver does well
- 44. Historic effort or DXpedition

- 46. Excessive signal
- 50. Above audio (abbr.)
- 51. Transformers that use transmission lines (abbr.)
- 52. Where rigs are built (abbr.)
- 53. Defunct manufacturer of impedance bridges (abbr.)
- 54. Reference oscillator for slaved oscillators (abbr.)
- 55. Energy from the sun (abbr.)
- 56. Sharpen one's skills
- 58. Spurious signals in a superheterodyne receiver
- 60. Raw material refined to get pure metal
- 61. Primary gain stages in a superhet
- 62. Circuit to lock on to a signal's frequency
- 63. Small or unimpressive
- 64. Label for volume control
- 66. Execute or act
- 67. Use two VFOs to operate
- 68. Misbehaving equipment

Down

- 1. Small adjustment to avoid interference
- 2. English satellite abbreviation

- 3. Ultimate limit to signal reception
- 4. Identifying mark or code (abbr.)
- 5. Thanks! (CW abbr.)
- 6. Maker of test equipment now computers (abbr.)
- 7. Reduces signal strength
- 8. Insects or skyhooks
- 9. Complex complement to Im
- 10. Tuned circuit to capture a single frequency
- 12. Increases incoming signal strength
- 13. Cutoff receiver during transmit
- 15. Russian prefix
- 16. Antenna made from a hole in metal
- 17. Olympian prefix
- 19. Radio system that guides aircraft landings
- 21. Receiver system that controls gain
- 23. These get in the way of good operating
- 27. Material with a 0.3V forward drop
- 28. Stage that recovers modulation from an AM signal
- 30. Check in (Q signal)

- 31. Three most common passive components (abbr.)
- 32. Famous receiver or ham store
- 33. These combine signals to change frequency
- 34. Provides input signal to 33 Down
- 38. Complex power (abbr.)
- 39. Millions of nanoseconds (abbr.)
- 40. Stellar explosion
- 41. CW chuckle
- 42. Receiver fine tuning control
- 43. What hams chew
- 45. Used to be a micro-microfarad (abbr.)
- 46. Frequency difference between transmit and receive
- 47. Signals returned from a reflection
- 48. Faithfully reproduce the input signal
- 49. A receiver that slowly changes frequency
- 54. Abbreviation for microphone
- 55. Conductors that make transistors
- 57. Homonym for 60 Across
- 58. Oscillator required to receive SSB
- 59. Numeric signal manipulation
- 62. Sales pitch
- 65. Material used in inductor CORES

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2005 F.A.R.C. MEMBERSHIP APPLICATION

Name _____ Date _____
 _____ Callsign _____
 Address _____
 City _____ State _____ Zipcode _____
 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 2005
 Fresno Amateur Radio
 Club
 Activities and Events**

Oct. 11th – Board meeting
Oct. 14th – Membership meeting



FRESNO AMATEUR RADIO CLUB, INC.
 P.O. Box 783
 Fresno, CA 93712-0783

Send To: