



A Fresno Amateur Radio Club Newsletter September, 2016 Volume 78, Issue 9



FARC General Meetings

are held the 2nd Friday of each month, 7 p.m. at the University of California Center on Shaw Ave. unless otherwise noted. Stay tuned in for new announcements.

2016 FARC BOARD MEETING DATES
1st Tuesday of each month this month at WB6VRJ's QTH.

FARC Nets

Morning Drive Time Net:
Weekday mornings-
7:30—8:00 a.m.
W6TO/R 146.940

Tech Net:

Wednesdays @ 7:00 pm
W6TO/R 146.940

FARC Net:

Sundays @ 7:00 pm
W6TO/R 146.940

2016 meeting location! East of Hwy. 41 on Shaw Av. 7 P.M. on the second Friday of the month at the University of California Center at 550 E. Shaw.



Do you have your own personal or family "Favorite Recipes" that you have prepared for Family events, Club events, Organization or Company events, Employer events, or other events?

Each FARC Club member is encouraged and invited to send one or more favorite recipe(s) by E-MAIL to the following FARC Member: Nora Erbe WA6BDE at noraerbe@comcast.net OR— you could bring your "Favorite Recipes" to Nora at one of the next FARC Club Meetings (2nd Friday each month) thru November, 2016.

PREZ SEZ
A GOOD TIME WAS HAD BY ALL.

All who attended that is. Those of you from the FARC who did NOT attend sure missed a great time. You know, from past times, that the FARC Picnic at Chez Holden is always very good. This time, it was GREAT. We missed you.

Director Bob, W6AIY, who was showing off the new club badge, was accosted by Prez Stu, WB6VRJ, as Stu pointed out the badge had both the wrong name and wrong call-well, yeah, Stu-just cuz it did NOT have your name and call does not mean it was misspelled or wrong call.

The soft drinks provided by the hosts were excellent. Ron Hunt, N6MTS, also did a great job with his blender.

The greet soft drinks were followed by excellent food, the tri-tip, the chicken, the many salads and many other types of food were excellently followed by Ice Cream and Pie.

All of this was accompanied by the luxurious swimming pool, graced by a beautiful fountain that Ken had placed in the pool. There were a few swimmers, but the otherwise warm weather was tempered by a soft breeze that helped us all cool off.

A great time, and Phyllis and I enjoyed meeting and seeing people-new people, and wonderful old acquaintances. It was truly great.

Fresno Amateur Radio Club

Fresno Amateur Radio Club 7 P.M. meetings will resume in September (second Friday of the month). Topic will be DX –with a DVD from the 3XY1T, Guinea Los Islands Dxpediton team.

Hey fellow FARC members why does W6AIY have that snazzy good looking Fresno Amateur Radio Club Inc. name badge,



The November meeting and Swap meet will be at a new time and place.

Not the second Friday, but instead the second Saturday, Nov. 12th, in the morning, at a new location!

More info at the meeting and next months Skip!

December meeting is the traditional dinner at DeCicco's on the second Friday of December.

Looks like the FARC Board has found a local supplier of name Badges at a reasonable cost for a stick pin badge, or a mag mount. Yes just like the old mag mount antenna you can get a FARC mag mount name badge, or a pin backed badge at a reasonable cost. More information at the next FARC meeting!

Next Fox Hunt:
September 17, Sat.
Start time – 10:00

Future Saturday Hunt Dates :
November 19, 2016

Don Douygh, WC6OOK, says do NOT forget to send in recipies to Nora, Jim Erbe's XYL for her recipe book- Husbands and Wives contribute!!

Fresno ARC Is looking for check-ins for the Morning Drive Time Net.

Join Ben, WB6GBS, Duane, KI6QEL, and Joe, WA6FFJ, net control operators, for an interesting way to start the day.

Visit <http://w6to.com> for further information.

FARC
Send your dues check to FARC, PO Box 5912, Fresno 93755-5912
Refer questions to Joe/WA6FFJ 288-2202 Board meeting on the first Tuesday at Stu's place.

2016 FARC BOARD OF DIRECTORS

FARC Officers and Board members:

| | | | |
|-------------------------------|--|----------------|---------|
| Stuart Home, WB6VRJ President | wb6vrj@w6to.com | (559) 485-8659 | 12/2017 |
| Ken Holden, WA6OIB VP | wa6oib@w6to.com | (559) 323-6753 | 12/2016 |
| Joe Cardoza, WA6FFJ Sec. | wa6ffj@w6to.com | (599) 455-1071 | 12/2017 |
| Ron Hunt, N6MTS Treas. | n6mts@w6to.com | (559) 289-8514 | 12/2016 |
| Jim Erbe, W6NIF | w6nif@w6to.com | (559) 222-7524 | 12/2016 |
| Bob Sherwood, W6AIY | w6aiy@w6to.com | (559) 275-4319 | 12/2017 |
| Larry Kramer, K6VLF | k6vlf@w6to.com | (559) 264-0772 | 12/2017 |

Web master

Aaron Lusk, K6USY k6usy@w6to.com (559) 301-1022

Skip Editor

John Morrice, K6MI k6mi@pacbell.net (559) 275-7373



Ron, N6MTS
Treasurer

Breakfast on Saturdays at Blueberry Hill located at Blackstone North of Shields, starting at 6:30 A.M.. Join the DX'ers and all the area hams for breakfast

Also Breakfast every Tuesday at 8 A.M. at *Denny's* near Shaw and West.

The Quarter Century Wireless Association Lunch is held on the fourth Tuesday of the month at Jeb's Blueberry Cafe on Blackstone at 11:30 to 1 P.M..

The Thursday ham radio lunch get-together meeting location is:
Jeb's Blueberry Hill
3851 North Blackstone Avenue
Fresno, CA 93726

Send Skip items to Skip editor John Morrice, K6MI at: k6mi@pacbell.net

You can download this and past Skip issues under the Document Archive menu by visiting **w6to.com**.

Be a net control op! Contact Joe, WA6FFJ at: nailbender@unwiredbb.com.

Support our advertisers in SKIP. They support us not only in revenue for the club but they also allow us space on the counters and shelves for copies of SKIP and other club announcements.

Event-Date

Farc meeting Sept. 9 Friday

Sept. VHF contest Setp. 10-11

Fox hunt Sept. 17 Sat.

Clovis Swap. Sept. 24 Sat.

FARC Oct. meeting Oct. 14 Fri.

Turlock Auction Sat. Oct. 29

FARC Swap Meeting Nov. 12 Sat.! New time! New Place!

FARC Dinner Dec. 9



San Joaquin Valley Nets:
The Noontime net meets on 7.268.5 MHz. This net handles a lot of messages.

Daytime Region 6 Traffic Net meets daily at 3:30 pacific time on or near 7.275 MHz. This one is probably not in operation at this time.

The California Traffic Net meets daily on 3.906 MHz and 6:00 PM local time.

The Golden Bear Amateur Radio Net meets nightly at 7:00 PM local time on 3.975 MHZ.

Northern California Net (NCN), the Section Traffic Net, meets nightly on 3.533 MHZ at 7 PM Pacific Time.

San Joaquin Net meets Monday-Saturday on 3918khz, at 6 PM Pacific Time.

Western Public Service System (WPSS) meets nightly on 3952khz, roll - at 7:30 PM local Pacific Time.

The Mission Trail Net meets nightly on 3.856 MHZ at 8:00 PM local time.

Northern California Net 2 (NCN2) The slow speed training session of NCN, meets nightly on 3.533 MHZ at 9 PM Pacific Time. Handling traffic on CW is a good way to improve your CW skills.

CWops Tests are held weekly – Every Wednesday at 1300Z, 1900Z, and 0300Z (Thursday). Info and rules at <http://www.cwops.org/cwt.html>.

SEPT. CONTESTS

10-12 September VHF

17- 19 10 GHz & Up– Round 2

24-25 EME - 2.3 GHz & Up

Fresno Amateur Radio Club

**August FARC Picnic at Ken, WA6OIB's Holden Rancherita
FARC Club Picnic-more pictures throughout this issue!**



T-Hunt Re-cap July 16

August 23, 2016 Rick Tyburski - W6KKO

Start Point: Hwy 180 & McCall End Point: Tollhouse & Lodge Road (Sierra Elementary School Lot) Short-est Route: 27 miles (approx.)

Number of Teams: 4 Fox: Marty (K6KTP) & Dave (N6QS) Number of TX: 1

The central valley hunters were back at it again on July 16. An early start at 10:00 AM kept the heat at bay for a while. Four teams made the effort this round, and around and around they went at the start point. Mike (KG6MSV) was able to break away at the starting location and kept the lead. He was the first to arrive with a 45 minute travel time. Next to find the fox was Rick (W6KKO) after a 95 minute duration. The next to arrive was John (K6MI) at three hours and 25 minutes, with Ron (N6MTS) just five minutes behind John.



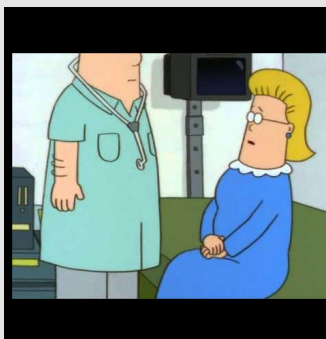
A short discussion of "what if" and "almost" was followed up with some well needed food and beverages. Norm (WB6LLW) met with the group as we were in his neck of the woods. Of course the ever present voice of direction (YEP) called out bearings to provide a hint to the teams.

The fox for the next hunt, Mike (KG6MSV), has asked that the hunters advise on the difficulty level for the upcoming hunt on Saturday, September 17. On a scale of 1-10, with 10 being very difficult, send an email to rick@w6kko.com with your level number. The results will be passed along to the fox.

Sent in to Skip by Ron, N6MTS (this is really funny-ed.)

Dilbert - The Knack "The Curse of the Engineer"

<https://www.youtube.com/watch?v=g8vHhgh6oM0>



Dilbert - The Knack "The Curse of the Engineer"...

"The Knack" clip from Dilbert S01E09: Dilbert is diagnosed with "The Knack" at a young age and is destined to become an engineer! Oh no!!!!

View on www.youtube.com

Preview by Yahoo

Fresno Amateur Radio Club

Local Amateur Radio Repeaters

| <u>Organization</u> | <u>Call Sign</u> | <u>Frequency</u> | <u>Offset</u> | <u>PL</u> |
|---------------------|-------------------|-------------------|---------------|-----------|
| CARP | K6ARP | 147.675 | - | 141.3 |
| CARP | N6JXL | 224.380 | - | 141.3 |
| CARP | K6ARP | 444.725 | + | 141.3 |
| CARP | NI6M | 440.350 | + | 141.3 |
| CONDOR | WB6BRU | 224.900 | - | 156.7 |
| FARC | W6TO | 146.940 | - | 141.3 |
| FARC | W6TO | 223.940 | - | 141.3 |
| FARC | W6TO | 444.200 | + | 141.3 |
| BRA | W6FSC | 145.230 | - | 141.3 |
| BRA | W6FSC | 443.450 | + | 141.3 |
| KINGS ARC | N6CVC | 145.110/444.95 | - | 100.0 |
| NC9RS | NC9RS | 927.6625/902.0125 | - | 146.2 |
| MADERA ARC | W6WGZ | 147.180 | + | 146.2 |
| MADERA ARC | W6WGZ | 441.175 | + | 146.2 |
| QCWA | WQ6CWA | 146.850 | - | 141.3 |
| QCWA | WQ6CWA | 443.250 | + | 107.2 |
| RACES | N6HEW | 147.150 | + | 141.3 |
| SJVARs | KE6JZ | 146.820 | - | 141.3 |
| TURLOCK ARC | W6BXN | 147.030 | + | 100.0 |
| W6NIF | W6NIF | 444.100 | + | 100.0 |
| WINSsystem | K6JSI | 146.790 | - | 100.0 |
| WINSsystem | K6JSI | 444.250 | + | 100.0 |
| CVRC | K6WGJ Fresno Low | 145.43 | + | 141.3 |
| CVRC | N6VRC Meadow | 147.165 | + | 141.3 |
| CVRC | N6VRC Meadow | 440.025 | + | 141.3 |
| CVRC | N6VRC Santa Rita | 147.285 | + | 141.3 |
| CVRC | N6VRC Santa Rita | 442.275 | + | 141.3 |
| CVRC | N6VRC Visalia | 442.525 | + | 141.3 |
| CRVC | N6VRC Porterville | 443.825 | + | 141.3 |
| CVRC | K6WGJ Fresno Low | 444.975 | + | 141.3 |
| CVRC | N6VRC Bear Mt. | 443.950 | + | 141.3 |
| CVRC | N6VRC Mt. Bullion | 442.350 | + | 141.3 |
| CVRC | Bear | 927.05 | + | 141.3 |
| Meadow Lakes | WA6OIB | 146.61 | - | 141.3 |

Anniversaries:

9/20 KI6JQ Dave and Judy

Ten meter net, CW and Phone, every Wednesday
7 P.M. for CW at 28.140
8 P.M. for SSB at 28.445

This is a local net, the cw part run by KF6ZXO, and the SSB part by Doyle, W6OEZ. Have fun checking in on one or both modes.

Joe, WA6FFJ, is our net control operator for the W6TO nets.

Birthdays

9/15 KE6QHA Thomas

9/25 K6PKO Jerry

The monthly door prize!

The attendance prize will resume in September. Must be present to win. Door prize will be \$40 at the next regular meeting.



Fresno Amateur Radio Club

EMCOMM, PUBLIC SERVICE, TOUR DE FRESNO

COMM VOLUNTEERS NEEDED – TOUR DE FRESNO 2016

Amateur radio communicators are needed to assist with radio communications for the upcoming Tour de Fresno bicycle ride event.

Date & Time:

Saturday September 17, 2015. Time: TBA

Location:

Locations around the Central Valley

Mission:

To provide health and safety communications between rest stops and event coordinator.

Manpower needed:

20+ communications volunteers.

Contact:

Contact Rob Mavis for more details and if you wish to volunteer. Sign up online by clicking: [Tour de Fresno 2015 Signup Form](#)

Rob Mavis AE6GE – 559-272-6791 or ae6ge@k6arp.org

BASS LAKE DOUBLE, EMMCOMM, PUBLIC SERVICE

COMM VOLUNTEERS NEEDED – BASS LAKE TO POWERHOUSE DOUBLE 2016

Amateur Radio Communications volunteers are needed for the Bass Lake Double Century bicycle ride.

When

Saturday October 8, 2016. Time: 0500-2400

Where

Locations around the Central Valley

Mission:

To provide health and safety communications between rest stops and event coordinator.

Manpower needed:

15+ communications volunteers.

Contact:

Contact Rob Mavis for more details and if you wish to volunteer. Sign up online by clicking: [Bass Lake to Powerhouse Signup Form](#)

Rob Mavis AE6GE – 559-272-6791 or ae6ge@k6arp.org

THE DX CORNER

By Charles McConnell W6DPD

September 2016

"DX is the one you want but you don't have. That is the way it has always been, that is the way it will always be." Of the most recent DXpeditions, "If you worked it, it was the best DXpedition ever. If you missed it, it was probably not so good." "And so it goes."

All things are relative, some more than others. Thanks Hugh Cassidy, WA6AUD SK.

If you want help with DX, you can contact the local members of the Central California DX Club for some assistance. Charles W6DPD 431-2038, or Perry K6XJ 299-2802, can give you advice. The big thing about finding DX is to tune the bands.

The DX Breakfast is every Saturday at Jeb's Blueberry Hill Café, 3851 N. Blackstone Ave in Fresno. This group gathers about 06:30 AM. All are welcome.

Check out www.spaceweather.com and www.solarham.net for information on the solar cycle. The higher the solar flux and the lower the A and K Indices, the better the band conditions. As the solar cycle heads toward the minimum by the end of the decade, working DX becomes more of a challenge. The high bands become less useful until the solar cycle heads toward the maximum, some years from now.

The address of the Sixth District QSL Bureau is P. O. Box 970, Fairfax CA 94978-0970. You can send up to 10 address labels and \$0.80 for each envelope to the address above. They will put 1 unit of First Class postage on the envelope. You can contribute \$10 or \$20 online using Paypal. If you work DX, you should have envelopes at the bureau so you can get your cards. You may be able to check your status at the bureau at <http://www.qslbureau.org/>

The ARRL Outgoing QSL Service has raised the rates for sending ARRL members QSL cards to foreign countries. The new rate is \$2 for up to 10 cards in one envelope, \$3 for 11 to 20 cards in one envelope and 75 cents per ounce for more than 20 cards.

Postage rates around the world are constantly changing. To see current rates go to http://www.qsl.net/w9ol/IRC_Chart.htm where you can find the current postal rates for most of the countries of the world. IRCs can no longer be ordered online from the US Post Office. To check on foreign postage, you can go to <http://www.k4hb.com/postage.html>. To learn about addressing envelopes to everywhere in the world, go to <http://www.columbia.edu/~fdc/postal/> for a discussion and examples. **NOTE.** U.S. Postage has been reduced. Overseas postage is \$1.15; domestic postage is \$0.47 for 1 ounce. Additional ounce for domestic mail will be \$0.21. Postcards are \$0.34.

The Venezuelan Navy has postponed the Aves Island (YX0V) DXpedition scheduled for early September.

Fresno Amateur Radio Club

Continued from the last page

If you don't get a DX Bulletin and you belong to ARRL, you should register on the members only web page and check the box for the ARRL DX Bulletin. This one is emailed each Thursday. Or you can go to the ARRL web page in the News/ Bulletin section and view the bulletins there. You can also read the OPDX Bulletin or the 425 DX Bulletin on the web. Search OP DX Bulletin or 425 DX Bulletin to get the URL. You can subscribe to the Daily DX, Weekly DX or QRZ DX too. These bulletins will keep you informed of DX operations and QSL information.

The following operations are scheduled:

Djibouti J28JV soon for at least a year, maybe 2
Ascension Island ZD8D maybe an October 2011 start
Angola D2CQ February 2010 for a few years
Mozambique C91PA now through March 2017
Gabon TR8CA September 15 for 4 years
Myanmar XZ postponed to late summer due to political change
North Korea P5/3Z9DX by late summer 2016?
Mali TZ5XR August 1, 2016 to February 2017
Market Reef OJ0DX August 11 to August 16, 2016
French Polynesia TX2AH August 17 to August 28, 2016
St. Paul Island CY9 August 19 to August 29, 2016
Pitcairin Island VP6J August 25 to September 3, 2016
Pitcairin Island VP6AH September 3 to November 25, 2016
Aves Island YV0 probably September 1 for about 10 days
South Cook E51Q September 8 to September 19, 2016
St Kitts and Nevis V47JA September 12 to September 29, 2016
Comoros D66D September 18 to September 30, 2016
Niue E6 September 20 to September 29, 2016
Cocos Keeling VK9C September 20 to October 4, 2016 **Canceled**
Temotu Province H44GC September 25 to October 5, 2016
Sao Tome and Principe S9DT and S9YL September 26 to October 1, 2016
Tuvalu T2J October 4 to October 10, 2016
Sao Tome and Principe S9YY October 8 to October 23, 2016
Burkina Faso XT2AW October-November 2106
Solomon Islands H40GC October 10 to October 25, 2016
Fiji 3D2GG October 11 to October 13, 2016
St Helena Island ZD7VDE October 18 to 30, 2016, hopefully.
Chatham Island ZL7G October 27 to November 10, 2016
Vietnam 3W2DK October 20 to November 5, 2016
Central African Republic TL0A0 November 10 to November 22, 2016
Guinea Bissau J5 by Italian DX Team November 2016
Cambodia XU7MDC November 4, to November 14, 2016
North Cook E51 AMF January 11 to February 6, 2017
Tuvalu T2AQ? and T2QR? March 14 to April 6, 2017
Baker Howland Islands KH1 planning for September-October 2017
Central Kiribati T31 Planning for sometime in 2017
Bouvet 3Y Planning for late 2017 or early 2018
San Felix CE0X April 2017



Charles, W6DPD

Watch the DX Bulletins for up to date information. As the time for the operation is at hand, watch the DX Summit (www.newdxsummit.fi) for listings. There are a number of state QSO parties each year. Check the contest corral in QST or the ARRL web page. State QSO parties are a good place to collect states for your Worked All States award. ARRL Log Book of the World now supports the Worked All States Award and the WPX Award.

Good luck, tune the dial, and listen.

AMATEUR RADIO EXAMS IN FRESNO

Exams given for
TECHNICIAN, GENERAL, and AMATEUR EXTRA

Sponsored By the
FRESNO VE TEAM
And The
FRESNO AMATEUR RADIO CLUB, INC.

2016

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:Salvation Army Fresno Citadel, 1854 Fulton Street, Fresno CA 93721

DIRECTIONS: From North or South of Fresno, Take Highway 99 to Highway 180 east. Go east on 180 to Fulton Street off ramp. Turn right on Fulton Street. Go south on Fulton across Divisadero to Sacramento Ave. Turn left on Sacramento Ave and park. You have arrived.

Theory exams are multiple choice.

First Class 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 are posted to the FCC database by the end of the second week following the exam.

BRING. Two ID's, one with photo. Taxpayer ID Number (Social Security Number), or FCC Registration Number (**preferred**). Fee **\$15.00** per test session. Bring exact change. **Original and copy of Amateur License.** Talk in on 146.94 repeater.

Walk in's only, no pre-registration.

More Info?? Contact Charles, (559) 431-2038

Fresno Amateur Radio Club



EC Report for August 2016

Hi All,

The schedule for the month of August: 4 Monday Night EmComm Nets, 1 EmComm and Coffee. The August meeting was canceled and will be combined with September's meeting on the first of September.

Local QST Article

As most of you know Greg Waters (KJ6OUI) has been active with the FAME Group educating people to become new Hams. He is also a four wheel drive enthusiast with the off-road clubs. He has been encouraging the four-wheelers to become interested in Amateur Radio as a tool to use on their outings. He demonstrated how vhf and uhf could give them better coverage than using CB only; giving them a greater chance of receiving help if someone breaks down or gets injured on a run.

Greg has written an article showing how he and the rest of the FAME group sparked interest and licensed the four-wheelers. Greg has submitted the article to the ARRL and it was accepted and will be featured in the September issue. It is a great story, be sure and read it when it comes out.

QST IS OUT NOW! CHECK OUT GREG'S HANDYWORK!!!!

Public Service And Its Importance

As most of you have observed I really push the use of Public Service Events as training venues. There is a method for my madness. As an ARES EC and RACES Officer I need to know your proficiency as an operator. When ARES or RACES gets a request for assistance from a served agency, they want to know what our staff is capable of and what training they have completed. We have a database with the training courses where you have received a certificate (that is if you have summited them), but as of now, nothing showing your abilities as an operator. We are starting to log your participation with public service events as well as handling the Monday Night EmComm Nets. Please consider helping with the Monday Night Nets or volunteer for some of the Public Service Events.

Public Service Calendar

- September 17 = Tour De Fresno Bike Ride
- September 19 to 23 = National Tribal Emergency Management Council Gathering
- October 8 = Bass Lake Double Century Bike Ride
- December 21 = The Salvation Army Food & Toy Distribution

Fresno Amateur Radio Club

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If you are interested in the biking events please either go to the CARP website or contact me. If you would like to participate in the Tribal Council or the Salvation Army food drive, use my information at the end of the publication.

NTEMC September 2016

I received a request from Hal (AD9HC) asking for assistance with the Amateur Radio portion of the **National Tribal Emergency Management Council Gathering** in September. He has requested our help for all five days of the event. There will be a special event station as well as demonstrations of Digital HF and Traffic Handling. We have been asked to man the station and to demonstrate the hobby.

The Tulare Group will be taking care of the Teck Class and VE session as well as setting up a tower trailer and beam antenna.

I am looking for help throughout the event. You don't have to come down for a full day; a few hours would help a lot. We will be operating only during the daylight hours; the exact time frame is still to be determined. We could try and schedule carpooling to save on the fuel cost.

As I get more information I will pass it on in emails. If you can help, please contact me using the information at the end of the publication.

EmComm Website

We are now posting events and meetings on the calendar as well as posting articles on the home page. Check us out at fcmcomm.org.

Net Control Staff Needed

We are looking for volunteers to take a turn as net control on Monday nights. This is not a difficult task. We will provide the preamble and net roster. This is a great way to enhance your skills running a net for emergency situations. If you are interested, please contact Gary (K16OYW) at 559-269-1340 or email g_greenberg@att.net

Our Calendar

Don't forget the **Monday Night EmComm Net** at 19:30 hr. on the 147.15 MHz PI 141.3. We have some good information and camaraderie. On the third Friday of the month there is the **EmComm Coffee** at YFC on Cedar south of Ashlan in Granite Park at 07:00hr. And last but not least the EmComm Meetings are held on the Fourth Thursday of month except for this month, it has been changed to the first Thursday. The next meeting will be held **September 1 at 1900 hr.** at the Salvation Army Citadel at 1854 Fulton St., Fresno. **This will be a combined for August and September.**

Best of 73's
GLEN CAINE (N6HEW)
Fresno County RACES Officer
Fresno County ARES EC
559-999-7590
N6HEW2@gmail.com



Fresno Amateur Radio Club

C

Call sign

Sequence of letter and numbers used to identify amateur radio operators and issued by the FCC.

CAP (Civil Air Patrol)

Volunteer affiliate of the United States Air Force.

Carrier

An unmodulated transmitted signal.

Carrier frequency offset (=Carrier Shift)

Distance between mark and space of the carrier for RTTY or similar communications.

CBR (Cross Band Repeater)

A repeater which receive incoming signal and re-transmit it in different bands— e.g. receives 144 MHz bands and re-transmits 430(440) MHz bands.

CCW (Counter ClockWise)

CH (CHannel)

Sequence of memory positions where frequency and related information is stored.

CI-V

Icom computer Control Interface allows multiple radio control simultaneously.

Conversion

Number of IF circuits in the receiver.

CPU (Central Processing Unit)

CQ

Radio communications term used to call others.

CTCSS (Continuous Tone Coded Squelch System)

Adds a continuous sub-audible low frequency tone to the transmitted carrier. Receivers set for the same low frequency tone can decode signal.

CW

- 1) Carrier Wave
- 2) ClockWise

CW filter

Used to narrow IF passband to improve reception in crowded band conditions.

Ham Terms, reprinted from the Icom handbook for transceivers.
One page a month, A-Z



FREE AMATEUR RADIO CLASS IN SEPTEMBER 2016

Some home work will be required (Homework) as to help prepare students for the test and also shorten the hours in class. Those that attend ALL CLASSES in the past have a high percentage of passing their first time.

Free lunch and snacks will be provided at each class session. Free drawing prizes each class session.

Class Dates

Saturday, September 10, 2016 – 8:00am to 4:00pm

Saturday, September 17, 2016 – 8:00am to 4:00pm

Saturday, September 24, 2016 – 8:00am to 4:00pm*

*Exam will be on the last day of class from 2:00pm to 4:00pm

Location

Red Monkey Communications
3439 S Chestnut Ave
Fresno CA 93725

Sponsored by:

4x4HIM 4WD Club

Clovis Amateur Radio Pioneers

Red Monkey Communications

American Radio Relay League

Signup for Classes www.k6arp.org/fame **Contact for More Info:**

Greg KJ6OUI – kj6oui@arrl.net / 559-360-7396
Rob AE6GE – ae6ge@k6arp.org / 559-272-6791

CLOVIS AMATEUR RADIO SWAPMEET – SEPTEMBER 24, 2016

Sponsored by the Clovis Amateur Radio Pioneers

Mark your calendars! The Clovis Amateur Radio Pioneers Fall Amateur Radio and Electronics Swap Meet will be held in Clovis, CA on Saturday September 24th. Ham radio and electronics enthusiasts from the Fresno, Clovis and the Central Valley area are invited to attend.

Admission is FREE for sellers and buyers.

Time/Date:

Saturday September 24, 2016 – 8:00am to 11:00am Sellers setup at 7:30am

Location:

New Hope Community Church 4620 E Nees Ave, Clovis, CA **Contact:** info@k6arp.org 559-492-7675



Fresno Amateur Radio Club

IN BRIEF-- HISTORY: Year 1947 - 1949

1947 - Amateurs lose the top 300 khz of he 10M band (29.700 - 300), and relinquish the 14.350 - 14.400 MHz on 20 meters. However the 15 meters (21.000 - 21.450 MHz) is planned. Also the FCC allows Amateurs to use the 11 meter band (26.960 - 27.230 MHz) on a shared basis with other services.

1947 W1AW AND W2GDG conduct narrow band FM tests and the FCC authorizes a one year trial on some bands.

1947 - W1FH is awarded the first "modern" DXCC membership for mixed and phone.

1947 VK5KL makes a two way contact with W7ACS/KH6 in Hawaii 9000 km.

1947 - The DXCC country count for this year was 257. Gatti-Hallicrafters Africa Dxpediton - Nine Month Tour. QCWA is founded. The Quarter Century Wireless Association was organized to promote friendship and cooperation among Amateur Radio operators who were licensed at least a quarter century ago. The Old Old Timers Club was founded in 1947 by a group of amateurs who had played a part in laying the foundations of electronic communications.

1948 William Shockley invents the transistor. Within 10 to 20 years, the transition from tubes to solid state occurs. No longer will the cat want to sleep on the TV set!

1948 The Military Amateur Radio System established, later renamed the Military Affiliate Radio System (MARS). Forerunners of this system existed such as the Army Amateur Radio System (AARS) organized in November, 1925. MARS is a Department of Defense sponsored program, established as a separately managed and operated program by the Army, Navy, and Air Force. The program consists of licensed amateur radio operators who are interested in military communications on a local, national, and international basis as an adjunct to normal communications.

1948 - VP7NG Bahamas, was one of the first DX Expeditions. By W4NNN and Others in the 14th ARRL DX Competition. CQ sponsors its first contest, The CQ WW Contest.

June 1949, Citizens Radio Service was established with frequencies in the 460-470 Mc band.

1949 - The US amateur allocations in Mc8 3.5-4 CW 3.85-4 Phone, Class A only 220-225 CW/Phone 7-7.3 CW 420-450 CW/Phone (50 watt power limit) 14-14.35 CW 14.2-14.35 Phone, Class A only 1215-1295 CW/Phone 26.96-27.23 CW/Phone (shared service) 2300-2450 CW/Phone 28-29.7 CW 28.5-29.7 Phone 5250-5650 CW/Phone 50-54 CW/Phone 10000-10500 CW/Phone 144-148 CW/Phone 21000-22200 CW/Phone

THE SOVIET WOODPECKER OVER THE HORIZON RADAR SITE

Climbing and exploring Duga-3 the Russian Woodpecker Chernobyl-2 radar site OTH (Over The Horizon) radar which could have detected missiles being launched from the USA. Duga the Soviet over-the-horizon (OTH) radar system operated from July 1976 to December 1989. See video at https://www.youtube.com/watch?v=0l_4fzJv_i0



Fresno Amateur Radio Club

HAARP Facility to Reopen in 2017 under New Ownership

Alaska's High-Frequency Active Auroral Research Program (HAARP) facility will reopen in 2017. The sprawling facility now is under the ownership of the University of Alaska Fairbanks (UAF), and the UAF Geophysical Institute is preparing HAARP for a new sponsored research campaign that's set to begin early next year, UAF Researcher Chris Fallen, KL3WX, told ARRL.

"This involves, for example, reinstalling the vacuum tubes in each of the 10 kW amplifiers -- eventually 360 in total -- that were removed by the US Air Force [the facility's former owner] for warm storage in the main facility," Fallen said. He later clarified that's just one-half of the 720 tubes required to equip all of HAARP's transmitters.

"For the first campaign we will only be bringing half of the array online, as we will only have half the tubes installed," he explained. "It's a long process and we have limited resources." He noted that the transmitter shelters have been unheated since the previous campaign in the summer of 2014. "The five generators -- approximately 3 MW each -- have recently been tested individually and are verified operational."

Fallen said the HAARP ionosonde (DPS4D "Digisonde") will be brought back online. "Some instruments on site need to be repaired or replaced," he said. Those would include riometers and a UHF radar. "Optical instruments will be brought back. The flux-gate magnetometer is operational again."

Fallen said other researchers are planning to install instruments at the science pads. "We are still investigating models for increasing Amateur Radio involvement with HAARP, which, in addition to announcing operating schedules, can potentially include hosting one or more ham stations on or near the science pads," he said.



The HAARP facility is located near Gakona, Alaska. Part of the massive antenna field is on the right.



Inside the HAARP control room.

UAF describes HAARP as "the world's most capable high-power, high-frequency transmitter for study of the ionosphere." Built in three phases, starting in the early 1990s and continuing through 2007, at a cost of some \$300 million, HAARP over the years has inspired a wide range of conspiracy theories that became grist for late-night radio talk shows. Some have claimed that HAARP's transmitters and 30-acre antenna farm -- capable of generating up to 5 GW ERP -- have been used to control the weather, while others have argued that HAARP

has caused earthquakes.

The FCC recently granted two Part 5 Experimental Service licenses for HAARP ionospheric research "across multiple bands." W12XFX will cover experiments in discrete parts of the HF spectrum, including 2650-2850; 3155-3400; 4438-4650; 4750-4995; 5005-5450; 5730-5950, and 7300-8100 kHz. A second Experimental license, W12XDV, covers ionospheric research between 1 and 40 MHz.

UAF is hosting an [open house](#) at HAARP, located near Gakona, Alaska, on August 27. The event will feature facility tours, a mobile planetarium, a permafrost exhibit, science demonstrations and talks, and barbecue.

Fallen will deliver a free science lecture on Friday, August 26, at the Wrangell-St Elias National Park Visitor Center Auditorium, "Radio Modification of the Ionosphere, and Who Uses This HAARP Thing Anyway?" in partnership with the Wrangell Institute for Science and the Environment ([WISE](#))

HAARP is aimed at studying the properties and behavior of the ionosphere. Operation of the research facility was transferred from the US Air Force to the University of Alaska Fairbanks last August, allowing HAARP to continue exploring ionospheric phenomena via a land-use cooperative research and development agreement. -- *Thanks to Chris Fallen, KL3WX, Steve Floyd, W4YHD, and UAF*

A closer look at a portion of the HAARP antenna array. The white buildings house transmitters.



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**Sponsored by: Stanislaus Amateur Radio
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September 24

0730 – Set up

0800 – Swap Meet

0830 – Presentations and Workshops

1300 – Lunch

1500 – Close

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MESH node configured by WL7COO

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Salvation Army **Training** SAT 9/24

8 AM Intro Disaster Services

1 PM Food Services

Section wide participation is invited, All are welcome



Fresno Amateur Radio Club

REGISTRATION - \$10.00 (swap space included)

Swap meet 0730 setup -- sales 0800 to 1300

\$5 for space only

AREDN MESH Networks

State Cal OES mobile communications unit MIGU, will be on display

(if available) courtesy of MAR-IV & MAR V, MIGU (Mobile Interoperability Gateway Unit). Presentation on unit and Amateur Radio interoperability

Door prizes

Tytera TH-7800 Dual Band Mobile mobile (donated by SARA and Stanislaus ARES)

MESH node configured by Dan WL7COO

M Squared Antenna donation

ARRL Gift Certificates:

Two \$50

One \$25

Raffle Prizes and more (Drawings at 8,9,10 & 11 AM)

Fox-Hunt ARRL Gift Certificate: One \$25

Presentations –

0830 – APRS Presentation **Room 2**

Workshop to follow

0900 - WinLink Presentation by Ken Stillwell (KF6IDK) **Room 1**

0945 - MESH Networks “AREDN” **Room 1**

Workshop to follow

1100 - Cal OES MIGU, purpose, history & use **Room 3**

1145 – Satellite Phase IV Presentation Dave W6TE **Room 3**

1300 - Lunch provided by the Salvation Army

1400 – Raffle Prizes

OPEN FORUM Event should wind down 1400 to 1500.

Exhibits

ARRL Member Table

Various displays of “Go-Kits”, portable stations

SATERN Table

Salvation Army Intro & Food Services 0800 & 1300

Sponsors:

ARRL, Stanislaus ARA, M Squared, Salvation Army, and SJV Clubs.

Fresno Amateur Radio Club

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Fresno Amateur Radio Club

F.A.R.C. DUES ARE \$20 PER YEAR FOR FULL MEMBERSHIP. Additional family members in the same household are \$5.00 each per year. New hams are free for the first year. Make checks payable to F.A.R.C. and send to:
 P.O. Box 5912, Fresno, CA 93755-5912.

Fresno Amateur Radio Club Activities and Events

Meetings on the 2nd Friday of the month
FD on the 4th full weekend in June
Banquet Dinner in December
Club Picnic in summer
Annual swap meet at the November meeting

| Fresno Amateur Radio Club - Membership Application | |
|---|-------------------------------------|
| Name _____ | Date _____ |
| Address _____ | Call Sign _____ |
| City _____ | State _____ ZIP _____ |
| Home Phone _____ | Cell Phone _____ |
| Occupation _____ | Birthdate _____ |
| License Class _____ | Year 1 st Licensed _____ |
| ARRL Member? _____ | |
| E-mail address _____ | Anniversary Date _____ |
| Additional Family Member in same household: | |
| Spouse Name _____ | Call Sign _____ |
| Son/Daughter Name _____ | Call Sign _____ |



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