



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.



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.

2018 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

FARC Net:

Sundays @ 7:00 pm
W6TO/R 146.940

Web page:

W6to.com

Nest club meeting:

**June 8, Friday
7 P.M.**

FD W6TO location:

Dry Creek Park (Clovis & Alluvial Aves). June FARC meeting will be all about FD, past and present.

Joe, W0PJD, is pictured in the 2013 FD logging contacts on 40 meters.



June meeting is our FD meeting. FD W6TO location:

Dry Creek Park (Clovis & Alluvial Aves). June FARC meeting will be all about FD, past and present. General alert: who has the black packing box used two years ago that has the wire antennas and rope?



Bob, W6AIY, with his 2018 FD shirt, is getting things organized for this year's Field Day with Dennis, KI6NVG. The fourth full weekend in June every year is the emergency preparedness test, a good event for portable gear and qso's, both eyeball and on the air.



Also we need members for set up, operating, take down' and clean up. Come to the meeting and volunteer. If you can't come to the meeting call Bob W6AIY or Dennis KI6NVG or contact us on the FARC Sunday net on 34/94

We are still looking for the 2 yellow 100 foot power cables from the last field day.

Also here is a pic of me and **Kevin Wray KM6NVO** (new member of FARC) in my shack talking about ham radio.



July meeting "New and Old", with ice cream. Always a popular meeting!

May Meeting Joe, WA6FFJ, part 2- how to use the Kill a Watt and Variac to work on your radios.

April Meeting- Hacking the Kill A Watt
How to modify the plug-in watt meter for a new use. And how to use the modified meter.

March meeting- Dean, AF6MC, gave a great talk about power connectors, and showed an amusing video which elicited laughter and groans from the group.

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.

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.

2018

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.

May 19

August 18

Nov. 17

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



2018 FARC BOARD OF DIRECTORS

FARC Officers and Board members:

Stuart Home, WB6VRJ President	wb6vrj@w6to.com	(559) 485-8659	12/2019
Ken Holden, WA6OIB VP	wa6oib@w6to.com	(559) 323-6753	12/2018
Joe Cardoza, WA6FFJ Sec.	wa6ffj@w6to.com	(599) 455-1071	12/2019
Ron Hunt, N6MTS Treas.	n6mts@w6to.com	(559) 289-8514	12/2018
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Skip Editor

John Morrice, K6MI	k6mi@pacbell.net	(559) 275-7373
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Ron, N6MTS
Treasurer



Joe, WA6FFJ
Secretary

Breakfast on Saturdays at Blueberry Hill located at Blackstone North of Dakota, 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 on Shaw, East of 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.

Event-Date

June 8 Friday 7 P.M. FARC Meeting

June 9-10 VHF Contest

June 23-24 FD

July 13 7 P.M. FARC Meeting

Aug. Club Picnic



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.

ANNOUNCEMENT, UPCOMING EMCOMM 2018 EVENTS

June 30, 2018 – Climb to Kaiser Bicycle Ride
September 8, 2018 – Tour de Fresno Bicycle Ride
October 13, 2018 – Bass Lake Double Century Bicycle Ride

If you would like to volunteer to work one or more of these events please go to k6arp.org and signup. You can also email Rob Mavis at (AE6GE@ae6ge.com).

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
WA6IPZ	WA6IPZ	52.84	-	82.5

Remember to keep you dues current for both the attendance prize and the birthday and anniversary listings.

Birthdaydays
06/08 Gary KM6CVB
06/09 Mikeal KM6MRT
06/20 Trent W6XGI
06/23 Joe WA6FFJ

Anniversaries

06/01 Phylis and Stuart, WB6VRJ
 06/04 Greg KM6GSO
 06/08 Ernest KD6TRV
 06/10 Douglas WA6YYY

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 with various net control ops.. Have fun checking in on one or both modes.

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

The monthly attendance prize!

The attendance prize in May was won by Bob, W6AIY, who was present. Must be present to win. Next drawing will be \$10.

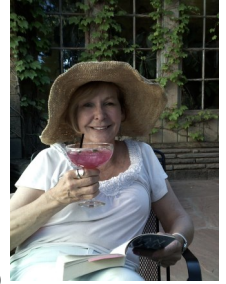


Fresno Amateur Radio Club

Well, gang, your prez took some time off, and traveled to Winslow, AZ., to watch the



trains and Phyllis relaxed from a long drive . Then on to Santa Fe, NM, for a week where we stayed at a Bed & Breakfast, which had a lovely



dining area.



One night we went out to dinner, where we heard a jazz trio playing in the plaza below, so after dinner we went down there and danced for a while.

From there, on to Tombstone Arizona, where we stayed at a guest ranch we had visit-



ed last year. engaged in other activities:

There we rode horses



and



No hamming-in fact saw only one tower way out in the boonies-no, I did not contact him. But we had a great time of it all. A great site for field day!

73 ***W. Stuart Home***

THE DX CORNER

By Charles McConnell W6DPD

June 2018

"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. There were over 100 sunspot free days in 2017

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, effective November 1, 2016, for sending ARRL members QSL cards to foreign countries. The new rate is \$1.15 per ounce, about 10 cards. There is now a \$7.00 transaction fee for each submission. Sending one ounce of cards (about 10) will now cost \$8.15. Ten ounces of cards would cost \$11.50 plus \$7.00.

U.S. Postage has increased on January 21, 2018. Overseas postage is still \$1.15 per ounce. Domestic postage is now \$0.50 for 1 ounce. Additional ounce for domestic mail is still \$0.21. Postcards are now \$0.35.

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 OPDX Bulletin or 425 DX Bulletin to get the URL. You can subscribe to the Daily DX, or Weekly DX. These bulletins will keep you informed of DX operations and QSL information.

Fresno Amateur Radio Club

Continued from the last page

The following operations are scheduled:

Bouvet **3Y0I** is scheduled again. Date is not known at this time.

Djibouti **J28PJ** for 3 to 5 years

Ascension Island **ZD8D** maybe an October 2011 start

Ascension Island **ZD8AC** now for 2 years

Senegal **6W1SU** now for 2 to 3 years

Gabon **TR8CA** September 15 for 4 years

Rwanda **9X0TA** August 5, 2017 for 3 years

Rwanda **9X9PJ** now for 2 years

Macquarie Island **VK0AI** soon through March 2019

Grenada **J3/G4VJG** June 14 to June 28, 2018

Franz Joseph Land **RI1FJL** soon until July 2018

Franz Joseph Land **R1FJ?** September 1 to July-August 2018

Svalbard **JW4JSA** now to June 1, 2018

Baker Howland **KH1** June 6, 2018 to July 8, 2018

Botswana **A25A** June 13 to June 20, 2018

Solomon Islands **H44XG** June 21 to June 27, 2018

Kyrgyzstan **EX0PL** September 1 to September 10, 2018

Rwanda **9X0T** September 26 to October 10, 2018

Kingdom of Eswatini **3DA0A0?** September 15 to September 30m 2018

Trinidad **ZZ0T** sometime in 2018

Christmas Island **VK9X** October 16 to October 30, 2018

Ducie Island **VP6D** October 19 to November 3, 2018

Conway Reef **3D2/C** and Central Kirabati **T31** are destinations for 3X9DX some time in 2018



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. WAZ will soon be supported by LoTW.

Good luck, tune the dial, and listen.

The King of Swaziland changed the name to Kingdom of Eswatini.

From Ron, N6MTS:

Here is an interesting bit of information I was directed to by a help tab in the updates portion of Windows 10 itself. This explains how to control the Windows 10 update process to some degree, so it doesn't take over your computer just when you need to use it.

<https://www.theguardian.com/technology/askjack/2018/may/17/how-can-i-stop-an-unexpected-windows-10-update>

Fresno Amateur Radio Club



EC Report for May 2018

The schedule for the month of May: 4 Monday Night EmComm Nets, 1 EmComm Meeting, 1 EmComm & Coffee, and 1 public service event.

Kirch Flat Ride

Several of our ARES Members took part in the communications for the Kirch Flat Ride held on Saturday the 5th of May. They had five different rides: Century, Hilly Metric, Flat Metric, Flat 36, and the Family Ride.

There were six Rest or Water Stops manned by radio operators as well as three SAGs driven by Hams with communications. Last but not least we had two shifts of net control operators.

The event flowed smoothly with very few incidents. Most of the stops had good coverage from the CARP 2mt. repeater; the only stop that seems to have some difficulty was the Wildcat area. It was somewhat spotty but was copy able for the most part.

Having Hams in the SAG vehicles makes it easier to keep tabs on the riders on the courses. It would be great if we could get more help from our members who haven't participated to come forward so we can have a radio operator in all of the SAG vehicles.

These events are used as training for our members. If you haven't participated in the activities please consider it. As we transform our training requirements you will be required to work at least two to three a year to keep your operator's status.

The next event will be the Climb to Kaiser which will be held on June 30. Please come out and give us a hand. I guarantee you will have a good time and enjoy the training.

Thought for this Month: What is ARRL Field Day?

ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. On the fourth weekend of June of each year, more than 35,000 radio amateurs gather with their clubs, groups or simply with friends to operate from remote locations.

Field Day is a picnic, a campout, practice for emergencies, an informal contest and, most of all, FUN!

It is a time where many aspects of Amateur Radio come together to highlight our many roles. While some will treat it as a contest, other groups use the opportunity to practice their emergency response capabilities. It is an excellent opportunity to demonstrate Amateur Radio to the organizations that Amateur Radio might serve in an emergency, as well as the general public. For many clubs, ARRL Field Day is one of the highlights of their annual calendar.

The contest part is simply to contact as many other stations as possible and to learn to operate our radio gear in abnormal situations and less than optimal conditions.

We use these same skills when we help with events such as marathons and bike-a-thons; fund-raisers such as walk-a-thons; celebrations such as parades; and exhibits at fairs, malls and museums — these are all large, preplanned, non-emergency activities.

But despite the development of very complex, modern communications systems — or maybe because they ARE so complex — ham radio has been called into action again and again to provide communications in crises when it really matters. Amateur Radio people (also called "hams") are well known for our communications support in real disaster and post-disaster situations.

What is the ARRL?

The American Radio Relay League is the national association for Amateur Radio in the USA, representing over 170,000 FCC-licensed Amateurs. The ARRL is the primary source of information about what is going on in ham radio. It provides books, news, support and information for individuals and clubs, special events, continuing education classes and other benefits for its members.

What is Amateur Radio?

Often called "ham radio," the Amateur Radio Service has been around for a century. In that time, it's grown into a worldwide community of licensed operators using the airwaves with every conceivable means of communications technology. It's people range in age from youngsters to grandparents. Even rocket scientists and a rock star or two are in the ham ranks. Most, however, are just normal folks like you and me who enjoy learning and being able to transmit voice, data and pictures through the air to unusual places, both near and far, without depending on commercial systems.

The Amateur Radio frequencies are the last remaining place in the usable radio spectrum where you as an individual can develop and experiment with wireless communications. Hams not only can make and modify their equipment, but can create whole new ways to do things.

For More Information visit: www.arrl.org Updated: 2/2018

Local Field Day Information

Field Day is the weekend of June 23rd through the 24th. Find a local club or organization holding Field Day festivities and join in. Contact either CARP or FARC at their websites for their locations.

CARP = k6arp.org

FARC = w6to.com

Safety Tip for the Day



EMComm meeting place: Hinds Hospice Building at 2490 W. Shaw Ave. Fresno. The time is 19:00 hr. please arrive a little early for we have to be escorted in for this is a secured building.

Public Service Calendar

June 30, 2018 – Climb to Kaiser Bicycle Ride

September 8, 2018 – Tour de Fresno Bicycle Ride

October 13, 2018 – Bass Lake Double Century Bicycle Ride

If you would like to volunteer to work one or more of these events please go to k6arp.org and signup. You can also email Rob Mavis at (AE6GE@ae6ge.com).

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. Our next meeting will be **May24 , 2018 at 1900 hr.** at the **Hinds Hospice Building, 2490 W. Shaw Fresno.**

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

Our club members active on the air:

Vermont In 139 Days

Last year in the QST periodical, I read a lot about the upcoming ARRL International Grid Chase. (You can get more info about it here: <http://www.arrl.org/international-grid-chase-2018>.) The objective was simple. Work stations in as many grid squares as possible and upload your log data to ARRL's Logbook of The World (LoTW). Any band (except 60M), using CW, phone, or any of the digital modes. Sounds easy enough. I use LoTW anyway so how tough could it be. Well, I'm power and antenna challenged, and propagation is poor. Phone is out for me and I haven't learned CW. So I'm listening on one of the local VHF FM rag chew frequencies and the subject of FT8 comes up. Use the computer and radio to make contacts using low power and a mediocre antenna.....right in my wheelhouse!

I downloaded the software in December of 2017 and played around with it. It worked.....low power and my crummy antennas worked just fine! I could probably use a paper clip (or a string of them.....wait, I've already done that) to make contacts.

Well, in the first 2 months I worked 49 states using FT8. It took me 9 years to work all 50 states on phone. Just needed one more for 50 on FT8. Vermont. Easy peasy. Nope. I called CQ VT for 2-1/2 more months before I got Vermont. But, finally May 19, 2018 I got the call from AA1SU and yes, he uploads to LoTW! And he did.

So, that's my Vermont in 139 days story.

I have also worked many countries and lots of grids with FT8, many more than I ever did with phone. As of this writing, I rank #1521 in the world in the International Grid Chase. We'll see where I finish in December. The ARRL website shows 33, 074 chasing grids as of May 19, 2018.

I would like to thank Charles W6DPD and Jim W6NIF for all their help getting me started and helping me along in FT8. I am really enjoying it!

Duane KI6QEL,
pictured here
making pan-
cakes at the
2012 FD.



Fresno Amateur Radio Club

New Tower Rotor Cage, by Ron, N6MTS

To protect the rotor housing from extreme side-loading during tower horizontal to vertical transition, this cage was designed to house the rotor and an additional top thrust bearing. This is to be used on a US Towers portable, which has a top section that is too narrow to insert a rotor inside the section. Therefore the rotors must be mounted outside and above the top tower section. Because these portable tower tilt over to horizontal for towing and antenna loading the weight of the antennas can put an extreme amount of stress on the unprotected rotor bearings, and could cause the rotor housing to split at the bearings. The design of this cage attempts to prevent that problem.

The overall dimensions are about 12" square by 36" tall. It is almost all made of aluminum. The 4 legs are 5/8" by 36" all-thread inside 1" diameter aluminum spacers for the legs (the bottom nuts are welded and the top nuts use Loctite). The bottom plate is 12" by 12" by 1/2" aluminum. The other 3 plates above that are 12" by 12" by 3/8" aluminum. The side cross-braces are 1 1/4" by 3/8" bar stock. The second plate up is spaced-up so that the rotor clamp bolts can be accessed through the large clearance hold in the center.



The start of the design on Larry Lion's shop floor. In the background are Yaesu G-800 and G-2800 rotors and a Hi-Gain Ham 4 (to the left out of view) for sizing.

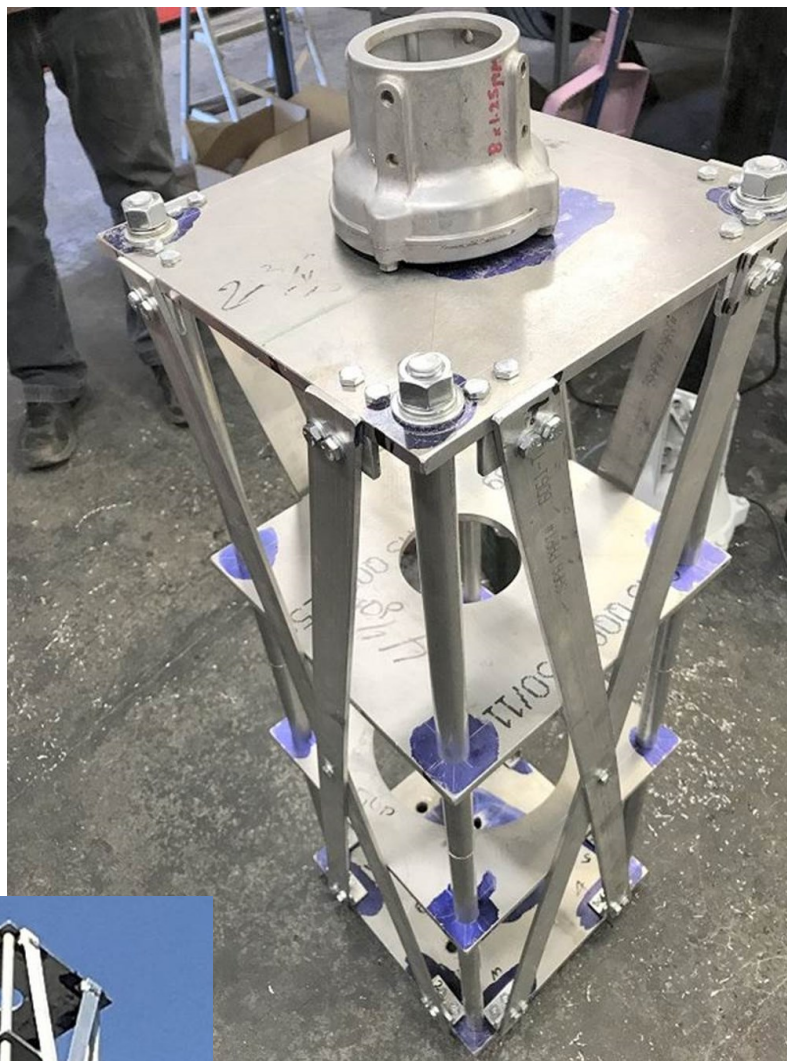
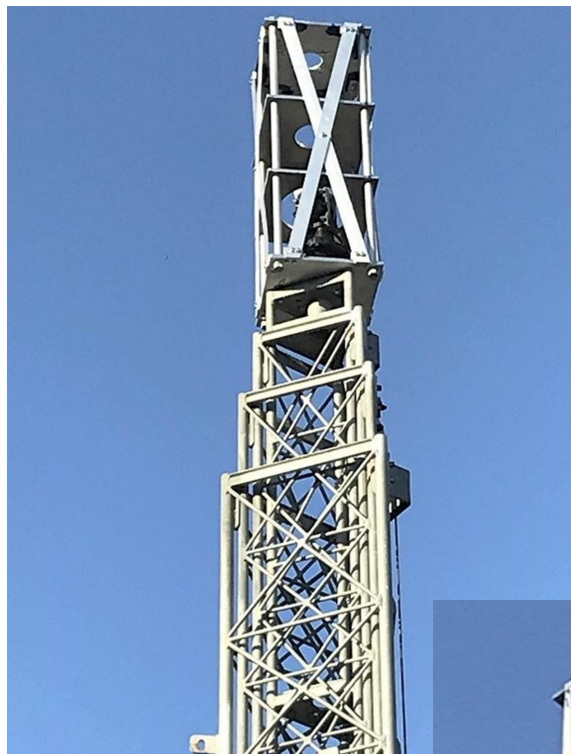
Top thrust bearing by Alinco, top all-thread nuts visible, and some side cross-bracing in place. Hi-Gain Ham 4 now in view.



Fresno Amateur Radio Club

All cross-bracing is now complete and checking for all tight hardware.

Here it is, mounted to the top tower plate using 3- 5/8" bolts and nuts, through the 3/8" top tower plate.



Stay tuned for more pictures



of the antenna mounting.

2018 Event Dates / July 1 (9AM EST) to July 7 (Midnight EST)

(July 1, 2018-1300 UTC to July 7, 2018-0400 UTC)

The 13 Colonies Special Event en-listed one

4th Of July Week - The Original 13 Colonies Special Event
MAY GOD BLESS AMERICA
10th Anniversary-2018
CELEBRATING 10 YEARS HONORING
THE 13 ORIGINAL COLONIES, FREEDOM
AND OUR MILITARY / VETERANS.

2009   **2011**   **2013** 

2014  **2015**  **2016**  **2017** 

IN RECOGNITION FOR PARTICIPATING IN THIS 4TH OF JULY WEEK - 13 COLONIES SPECIAL EVENT, THIS CERTIFICATE IS AWARDED TO ALL: KU2US
INDEPENDENCE WEEK JULY 1-7, 2018

13  **CONTACT'S**
ALL 13 COLONY STATES
"CLEAN SWEEP"

 **WM3PEN**

 **73'**

KEN VILLONE: KU2US-EVENT MGR. *Ken Villone*



dedicated SSB/CW QRP operator for each state for the 2014 event and beyond. No special station requirements, except the operator must be a General class or higher. We want to give the low power QRP station a chance to get a 13 Colony States "Clean Sweep" endorsement on your certificate. We know the thrill of a QRP station breaking a pile up, but with 200+ QRO/ and higher stations in a pile up, well, most of the times +/-5 watts just wont work.

YOU DO NOT NEED ALL 13 COLONIES TO GET THE CERTIFICATE

YOU DO NOT NEED TO GET THE 2 BONUS STATIONS FOR A CLEAN SWEEP

If you work a colony station, you are encouraged to spot it for others. We suggest **DX Summit**.

Fresno Amateur Radio Club

2050 H ST.
FRESNO
93721



500 E. 19TH ST.
BAKERSFIELD
93305

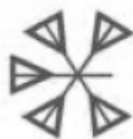
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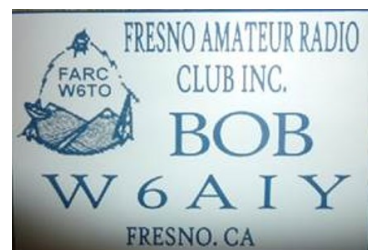
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Occupation _____ Birthdate _____
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