



**FARC Next Meeting
Friday, July 8 at 7
P.M.**

Derrell's Mini Storage Inc.
3239 W Ashlan Ave,
Fresno, CA, 93722

**FARC BOARD MEET-
ING DATES**
The 1st Tuesday of the
month

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

Swap Meet
Sat. morning Nov.
12, 2022

Dues! The Fresno ARC encourages all old and new members to fill out the form on the last page of any Skip and send with checks to the club P.O. Box. Remember to make checks out to "Fresno Amateur Radio Club, INC."



The K6MI Field Day group at 5,000 feet elevation. The M2 KT-36xa antenna is large, but needed to get the low power 5w solar powered (with batteries) signal out. Since low power SSB doesn't work as well as CW, code contacts (nearly 1,000 of them) were the name of the day, along with FT-8 on 6m, and phone on vhf and uhf.

July FARC meeting– bring something old to show, and enjoy our traditional root beer floats!

QCWA (Quarter Century Wireless Association) will meet again on Sept. 27th. 12 noon Tuesday, at Jeb's Blueberry Hill Cafe

3851 N Blackstone Ave Fresno CA 93726

Meanwhile we still meet on the air (146.85) on the Monday before the fourth Tuesday of the month.



PREZ SEZ

25 June 22

HEY! It's June! Field Day, and lot of other activities during this hot month.

I do hope that all of you were able to do something for Field Day, and send your reports to K6MI in timely fashion, so a proper report can be made.

In the meantime, we are reaping the benefits of Spring, as we trim the trees and bushes back from our antenna installations.

While we are at it, isn't time to finish those repairs on our equipment and get it in proper operating order? You bet it is.

It is constantly amazing to me how electronics has taken over so much of our lives.

Not just circuits and the like, but wireless transmission-far beyond Marconi!

As an example, take a look at my hearing aids-they talk to each other, and I have a wireless remote that can pick on which ear and increase or decrease the loudness of response. Take a look at the recharging-wireless-and the battery in each cell-how do they get that stuff so small?

All this wonder should lead us to questions about our own equipment-not only the wireless, but the wired. Not just repair, but learning how all of it works. I say this, not as an admonition, but as a challenge-not just to myself, but to YOU, all the hams in our great club.

July 8 meeting 7 P.M.

73

WB6VRJ

W. STUART HOME



Root Beer Float and Old Radio Night

Bring an old radio to show!

FARC– New Members! 2022 dues now due! Stay on the membership list!

Send your dues check to FARC, PO Box 5912, Fresno 93755-5912

Board meeting on the first Tuesday of the month. Details from Stu, WB6VRJ

FARC BOARD OF DIRECTORS

FARC Officers and Board members:

Stuart Home, WB6VRJ President	wb6vrj@w6to.com	(559) 485-8659	12/2023
Ken Holden, WA6OIB VP	wa6oib@w6to.com	(559) 323-6753	12/2022
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Skip Editor John Morrice, K6MI k6mi@pacbell.net (559) 275-7373



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

On the even years four directors are elected, and on odd years three directors are elected.

For sale adds on the next to last page of Skip!

Take advantage of the opportunity, send your adds to K6MI at pacbell.net

FARC Meeting 7 P.M. Friday, July 8

FARC Picnic Sat. In Oct.?

FARC Meeting 7 P.M. Friday Sept. 9

QCWA lunch at noon, Tues. Sept. 27

FARC Meeting 7 P.M. Friday, Oct. 14

FARC Swap Sat. morning, Nov. 12

FARC Dinner Friday, Dec. 9

San Joaquin Valley Nets:

The Noontime net meets on 7.268.5 MHz. This net handles a lot of messages.

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 3918 khz, 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 3.857.5 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.

Sunday and Wed. Night 2m Bozo Net, 7:30 P.M. 144.24 Mc. USB

Monday 220 Mc. 7:30 P.M. USB 222.1 Mc

Tuesday 7:30 P.M. USB 1296.1 Mc.

Thursday 7:30 P.M. 432.1 SSB net

Wednesday 7 P.M. 10M cw net, 28.140

Wednesday 8 P.M. 10M ssb net 28.445

Every Wednesday night is an enjoyable time for all ham operators. At 7PM local time, there is a CW net on 28.140 MHz-the NCS is Guss, KF6ZXO-and he welcomes all hams regardless of CW speed-yeah-I have heard both really slow and one or two really fast. Then around 8 PM local, there is the USB net on 28.445 MHz.

Fresno Amateur Radio Club



Top right picture is the June club meeting.

The July meeting is traditionally a "Bring something old to show" and Root Beer Float night. Find something to put on display and talk about.

The pictures on the left are all about Dayton, where several of our members made the journey and have tales to tell about it.

The middle picture shows the M2 booth.

Top picture is a food truck, and the bottom picture is the line waiting to get in.

Although the crowds don't match pre Covid times, there were still 15 thousand that made the trip.

Dayton pictures from Ken, WA6OIB



Local Amateur Radio Repeaters

<u>Organization</u>	<u>Call Sign</u>	<u>Frequency</u>	<u>Offset</u>	<u>PL</u>
CARP	K6ARP	146.865	-	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	KJ6OUG	147.150	+	141.3
KE6JZ	KE6JZ	146.820	-	141.3
TURLOCK ARC	W6BXN	147.030	+	100.0
Fresno Low	K6WGJ	145.43	+	141.3
Meadow	N6VRC	147.165	+	141.3
Meadow	N6VRC	440.025	+	141.3
Santa Rita	N6VRC	147.285	+	141.3
Santa Rita	N6VRC	442.275	+	141.3
Visalia	N6VRC	442.525	+	141.3
Porterville	N6VRC	443.825	+	141.3
Fresno Low	K6WGJ	444.975	+	141.3
Bear Mt.	N6VRC	443.950	+	141.3
Mt. Bullion	N6VRC	442.350	+	141.3
Bear	N6VRC	927.05	+	141.3
Meadow Lakes	WA6OIB	146.61	-	141.3
WA6IPZ	WA6IPZ	52.84	-	82.5

Birthdays

7/04 Greg KM6GSO
7/21 Stu WB6VRJ
7/30 John K6KEP

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.

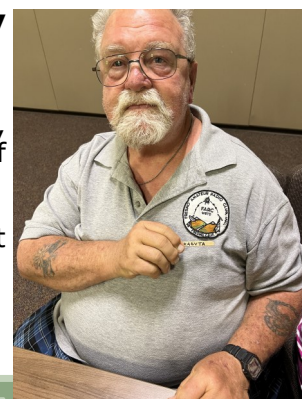
Anniversaries

7/03 Jeff WA8IMA
7/08 Shirley & Larry AD6W
7/10 Ken WA6OIB & Gwynne WA6VZM
7/10 Bev & Paul W6VPS
7/11 Lisa & Aram KD6STR
7/26 Patti & Larry W6OWL

The monthly attendance prize!

The winner, Dave KA6VTA, was present at the drawing of \$30.

Next drawing will be \$10 at the July meeting.



Heat Related Emergencies

By Craig Roberts W6CMR

We must be careful not to get dehydrated and overexposed to the heat.

First off, stay ahead of the hydration curve and pack plenty of **WATER** for the day's activities. Limit Coffee, Tea, Sodas and Alcohol, or anything with caffeine these have a diuretic effect, and make you expel vital fluids. If you are going to be in the heat **PACK WATER**, lots of water. **Drink it all day**. Cold water is assimilated in to the body much faster than warm water. **Most Sports Drinks** do little to help with dehydration. Some have electrolytes but most contain mostly carbohydrates and sugar. Sports drinks should be consumed at a rate no higher than 1 Sports Drink to 4 similar portions of WATER.

Signs of Dehydration; Thirst, Decrease in urination, Darkening of the urine color to dark yellow or orange. Dizziness/Light head, Fatigue, and as it progresses; Dry Mouth, Dry Skin, Increased Heart Rate and Breathing.

In Children & Older Adults; Dry Mouth/Tongue, No Wet Diapers for 3 hours, Sunken Eyes or Cheeks, Irritability, Listlessness, Skin Stays up when pinched (poor turgor).

DEHYDRATION can lead to HEAT STROKE.

HEAT STROKE can develop rapidly and must be treated quickly. Heatstroke comes from long exposure to the sun and heat. We produce a tremendous amount of heat in our bodies through normal activities, this heat is normally dissipated by our sweat and the cooling effect it has on our bodies. When we quit sweating we build up internal heat at a rapid rate. This heat can quickly build to an unhealthy degree causing damage to our brain.

Older Persons, Infants and those on certain medications are at a higher risk.

Some Signs of Heat Stroke: Hot Dry flushed skin that is not sweating, Headache, Dizziness, Disorientation/Confusion, Agitation, Sluggishness, Fatigue, and Rapid heart rate, can progress to; Seizure, Hallucination, Loss of consciousness, Dangerously High internal body temperature.

WHAT TO DO FOR HEAT STROKE; Heat Stroke can be life threatening

Call an ambulance, 9-1-1 for local emergencies

Remove the person from the sun.

Keep the person calm.

Slightly elevate feet to minimize shock.

Remove clothing, apply cool water to the skin (artificial sweat) and fan to cool.

Apply ice pack to armpits and groin if needed.

In extreme cases place person in makeshift tub and fill with water and ice. Monitor for hypothermia.

Maintain airway and monitor vital signs.

Keep record with times of symptoms and treatment for ambulance if possible.

Tube of the Month

4CX1500A

The [4CX1000A](#) has been around since 1957 and is well known to hams. It could be found in surplus and there were articles written about amplifiers that used it. New tubes that were based on this old design were not commonly seen by the hams as there was no military source that would make them available to the surplus market.

When I first found a [4CX1500A](#), I didn't know what it was. It had a solid screen ring like the [4CX1000K](#), but the tube had the 1500-watt plate structure like the [4CX1500B](#). The "B" tube doesn't have a solid ring so it was back to the books.

The 4CX1000A family of tubes, which include the 4CX1000K and the water cooled [4CW2000A](#), are electrically very similar. They were designed to operate in class AB1 with zero driving power. The control grid could easily be damaged. The 4CX1500B had an improved grid and cathode that allowed a watt of grid current.

The 4CX1500A is a very different tube. The grid can dissipate 25 watts so could operate in class AB1, AB and CW as an amplifier at up to 110 MHz as well as in pulse service. The 1500-watt anode could be operated with up to 5000 volts at an amp. This tube would coast at 1500 watts output if you could find a filament transformer that could deliver 5 volts at 40 amps. The filament was thoriated tungsten so was "instant on" unlike the oxide coated cathodes with their long warm up time that is required with the 4CX1000A group.

The 4CX1500A was used in the Continental 416D transmitter as well as in the Harris MW-50C3 AM broadcast transmitter where it drove the 4CX35,000C final.

Norm N6JV



Fresno Amateur Radio Club



Ken WA6OIB and Jerry K6PKO admiring Doug Johnson's (WA6YYY SK) beautiful train set demonstrated by Doug's son John.

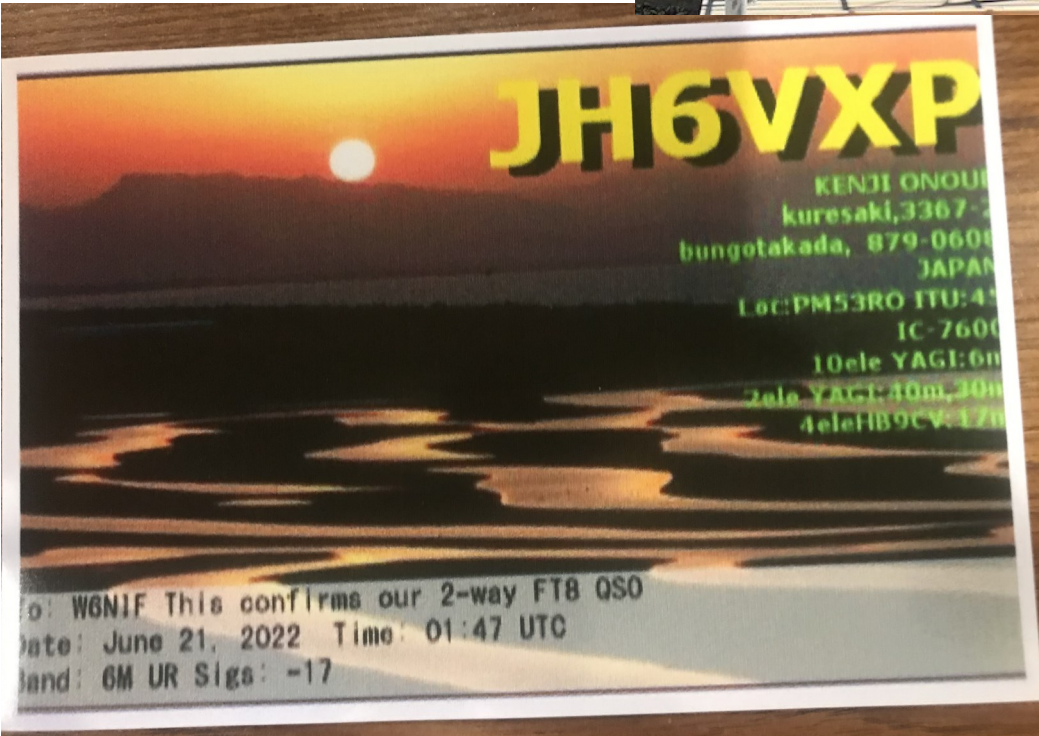


Note: Doug's equipment will be available at the November FARC



swap.

Jim, W6NIF, gets the DX'er of the month award buy being in the right place at the right time on 6 meters



with several qso's with Japan, and also working Marc, V31MA.

QSL from JH6VXP

Jim's other project is rebuilding his patio cover, pictured above in the before and after pictures. Many small antennas in the background.



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k6mi@pacbell.net for next month's
Skip

Your add or card here!
Talk to the treasurer about the yearly fee!

For Sale:
Ameritron AL-811H amplifier,
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ad6w@arri.net



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This coat was left at the Novem-
ber Swap Meet and needs to find
it's owner. Anyone recognize it?
Talk to Larry, W6OWL



Wanted

I am looking for NOS audio tubes I.e. New old
stock.

I am looking for: 6L6, 6X4, 6CA7, 12AX7,
12AT7, 6BD6, 6BQ5, rect tubes: 5AR4, 5Z4

Any help would be very much appreciated.
Aram KD6STR 433-9611

For Sale:

70 cm (430-440 MHz) 15 element Yagi

Diamond A430S15 \$60 OBO

Very little use

Contact Richard, N6FUB

(559) 285-9772



Fresno Amateur Radio Club

Dues due in January!

Fresno Amateur Radio Club — Membership Application

Name _____ Call _____ \$20 Dues __ Date _____

Street Address City State Zip _____

Home Phone (____) _____ Cell Phone (____) _____

Email ADR _____ (for delivery of Skip Newsletter)

License Class _____ Year 1st Licensed _____

Birthday (Month/Day) _____ Wedding Anniversary (Month/Day) _____

ARRL Member? _____

Additional Family Member(s) in same household (\$5 each)

Spouse Name _____ Call _____

Son/Daughter Name _____

Make checks out to: Fresno Amateur Radio Club, Inc. (Do not abbreviate)

FRESNO AMATEUR RADIO CLUB, INC.
P.O. Box 5912
Fresno, CA 93755-5912

