



**FARC Next Event-
Meeting July 12, Fri.
7 P.M.**

**Derrel's Mini Storage
Meeting Room
3239 E. Ashlan
just East of Valen-
tine**

FARC BOARD meets
the last Thursday 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
Morning Net 7:30 A.M.

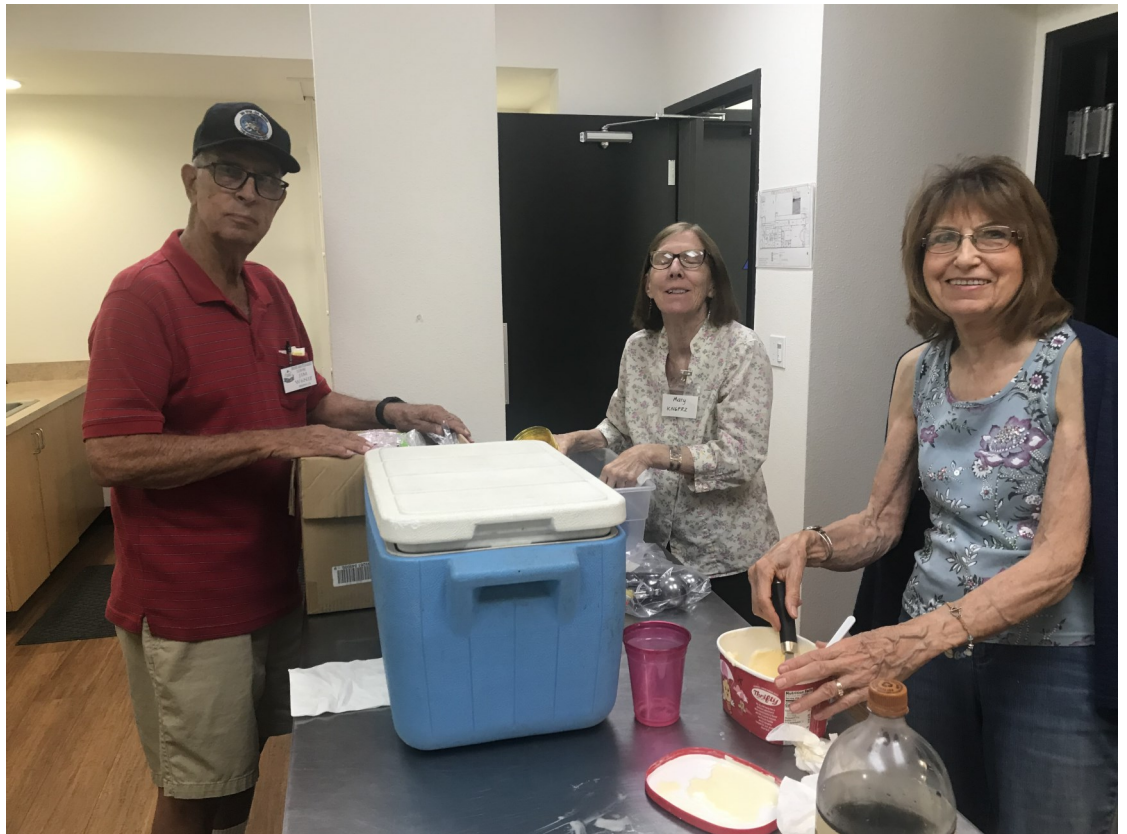
Web page:
W6to.com

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."

Root beer float committee for the July "Show and Tell" meeting!

Bring something to share and show, 7 P.M. on the second Friday in July.

Left to right- Jim W6NIF, Mary KN6PRZ, and Gwynne WA6VZM.



Remember to check into our FARC nets when you can, on the W6TO repeater (146.94-). Drive time net is Monday through Friday 7:30 A.M., and the Sunday night net at 7 P.M.

Regular meetings on the second Friday of the month.

Month Topic Summary
April Soldering methods and techniques
Presented by Ken WA6OIB

May Wire Antennas Learn how to deploy and tune Dipoles and End-Fed Half Wave wire antennas

June Field Day Prepare and organize for Field Day 2024 - June 22-23

July Old Radio Night - Ice Cream and Root Beer Floats!

Bring your old radio gear to our annual show and tell meeting.

August Logging - QRZ, eQSL, LOTW - Awards Come learn about setting up logging software, LOTW, and applying for awards.

September Picnic Date TBA
Oct. Business meeting
Nov. Swap Meet
Dec. Dinner



FARC– New Members! 2024 dues now due! Stay on the membership list!
Send your dues check to Fresno Amateur Radio Club, INC., PO Box 5912, Fresno 93755-5912
Board meeting on the first Tuesday of the month.

Fresno Amateur Radio Club

John K6MI

A Field Day story, 1964-

As a young ham in high school on the Monterey Peninsula,

Field Day was a super important even for the hams I knew in the area. We started going to Chew's Ridge in the Los Padres National Forest, at first with dipoles and tube radios and big generators.

Jump to the present, and pretty much the same group still goes up there, now with Elecraft K3s and a KT-36xa beam (still a dipole for 40 and 80) and all solar power and batteries.

Upper left picture is all ready to go from Fresno, clockwise is a picture of the road up to the site. The rotor and mast is mounted, and the antenna parts laid out.

Then the beam is assembled and the tower rotated up to vertical. The beam is adjusted in the boom to mast cradle so that the beam is horizontal when the tower is vertical.

The Jackery 2 kw battery, charged by 200w solar panels made it to the end, although we went dark at midnight until dawn.

The big beam is necessary since the 5 watts out is not much. Works best on CW.



Fresno Amateur Radio Club

Elevation is 5000 feet, with a drop of to the East.

The sunset and moon rise were amazing, the pictures hardly compare to being there.

About 350 q's were made, starting on 10m, going to 15 and then 20, with 40m after 10 P.M.

All packed up by 2 P.M. Sunday and on the road home.



Fresno Amateur Radio Club

Photos from Saturday's June 15th Western Public Service event:

- WPSS1 Dwayne KI6QEL was the official photographer – Joe WA6FFJ handling the tickets for the prize drawing
- WPSS3 Dwayne KI6QEL taking photos – Bob KM6BNY from Reedley won the top prize of IC-7300



FARC BOARD OF DIRECTORS

FARC Officers and Board members:

Ken Holden, WA6OIB Pres.	wa6oib@w6to.com	(559) 289-2891	12/2024
Aaron Lusk K6USY V.P.	k6usy@w6to.com	(559) 905-4180	12/2025
Marcus Beedle KG6QNY Treas.	kg6qny@w6to.com	(559) 360-7444	12/2024
Jim Erbe, W6NIF Sec.	w6nif@w6to.com	(559) 903-2200	12/2024
Larry Lion, W6OWL	w6owl@w6to.com	(559) 227-5159	12/2024
Dennis Holloway, KI6NVG	ki6nvg@w6to.com	(559) 323-7386	12/2025
Rob Egan, KM6SRR	km6srr@w6to.com	(559) 281-4730	12/2025

Web master Aaron Lusk, K6USY k6usy@w6to.com (559) 905-4180
Duane KI6QEL FARC Net Manager
Skip Editor John Morrice, K6MI k6mi@pacbell.net (559) 275-7373 (550) 906-7031 cell



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 to send your ads to K6MI at pacbell.net

July 12 Meeting 7 P.M.

San Joaquin Valley Nets:

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 Night FARC 2m net 7 P.M. 146.94 Mc.

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 followed by check ins on 50.140 Mc. USB

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 opera-

tors. At 7PM local time, there is a CW net on 28.140 MHz-the NCS is Guss, KF6ZXO- welcomes all hams regardless of CW speed. Then around 8 PM local, there is the USB net on 28.445 MHz.

The *Noontime Net* is a public service Amateur Radio *Net* that meets everyday on 7284 kHz. and 3970 kHz. with an alternate frequency of 7265 kHz for both nets.

QCWA net on 146.85 pl 141.3 7 P.M. on Monday. Meeting on the fourth Tuesday of the month.

Backup FARC repeater if 146.94 is down—

146.61 pl 141.3

Future ham exams are May 18, August 17. and Nov 16.

Exams are held at Hines Hospice on Shaw Ave

Fresno Amateur Radio Club

Local Amateur Radio Repeaters

<i>Organization</i>	<i>Call Sign</i>	<i>Frequency</i>	<i>Offset</i>	<i>PL</i>
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 backup	WA6OIB	146.61	-	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
WA6IPZ	WA6IPZ	52.84	-	82.5
Tulare CARC	WA6BAI	146.88	-	103.5

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.

Birthdays

- 7/04 Greg KM6GSO
- 7/07 David K6VBG
- 7/19 Brenda Crispin
- 7/29 Tamera KN6UKU
- 7/30 John K6KEP
- 7/31 Carey KC5DTU

The monthly attendance prize!

The drawing for \$60 at the June meeting was won
 by Jeff, WA6IMA, who was not present.
 Next month \$70. Must be present to collect.



Anniversaries

- 7/03 Jeff WA6IMA
- 7/08 Shirley & Larry AD6W
- 7/10 Gwynne WA6VZM & Ken WA6OIB
- 7/10 Bev & Paul W6VPS
- 7/11 Lisa & Aram KD6STR
- 7/17 Leslie & Ron KN6UDY
- 7/26 Patti & Larry W6OWL

Fresno Amateur Radio Club

Future ham exams are August 17. and Nov 16..

Amateur Radio VE Exam - Fresno

Where: Hinds Hospice
2490 W Shaw Ave Fresno, CA 93711

Registration is recommended Payment In Full At Event Only Everyone US\$ 15.00 (pay at venue)
Exams offered for Technician, General, and Amateur Extra Class

What to Bring:

1. Photo Identification - State issued Drivers License or ID Card, Passport, or Military ID Card.
2. FCC Registration Number (FRN) - Required prior to exam, see details below.
3. (if upgrading) [Official Copy](#) of current Amateur License or Successful Completion of Examination (CSCE certificate)
4. Valid Email address
5. Fee \$15.00 per test session. Exact change please.

CORES FRN Requirement - Applicants must use an FCC Registration Number ([FRN](#)) for all license transactions with the FCC. Examinees must [register in CORES](#) and receive an FRN before exam day. Exam Candidates you are REQUIRED to register in the FCC CORES system and receive a FCC Registration Number (FRN) before exam day. Applications that do not have an FRN will be **rejected** by the FCC.

An [instructional video](#) provides step-by-step instructions on how to establish a CORES account, which is necessary for licensees to make administrative updates and download electronic license authorizations.

Email address - All filers [must provide an email address](#) on all applications. When an email is provided, applicants will receive an official electronic copy of their licenses once granted (allow incoming email from authorizations@fcc.gov). If no email is provided when filing applications will be rejected. ARRL VEC suggests that those without access to email to use the email address of a family member or friend.

FCC Application Fee - The \$35 application fee applies to new, renewal, rule waiver, and modification applications that request a new vanity call sign. The fee is per application.

Administrative updates, such as a change of name, mailing or email address, and modification applications to upgrade an amateur radio licensee's operator class or to request a sequentially issued call sign, are exempt from fees.

The fee will be per application.

When the FCC receives the examination information from the VEC, it will email a link with payment instructions to each successful candidate who then will have 10 calendar days from the date of the email to pay through the FCC [CORES](#) system

3CX1200D7/YU-121

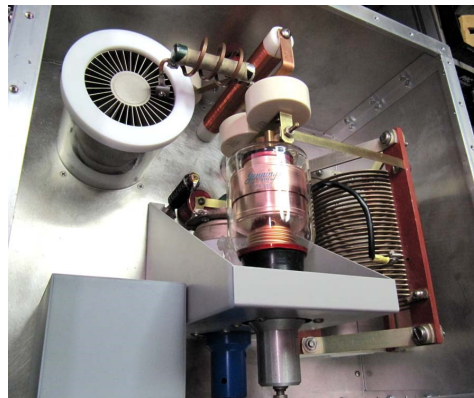
I have always been interested in amplifier construction as well as the transmitting tubes. I often take the opportunity to look inside new commercially built amplifiers as I like to see if there are different ways to solve the problems all builders run into. Several years ago, I was at the DX Convention in Visalia and had a chance to look into a new Henry Radio amplifier. The vendor and I got into a tube discussion and he said he had a nice tube I could add to my collection. He dug around in a box and came up with a ceramic tube marked [H-800S](#). He showed that it was damaged with a bent pin so it couldn't be sold. I was very pleased with the new addition.

I could never find any data on the H-800S. I narrowed it down to the EIMAC [3CX1200D7](#) by appearance alone. I partially bent the pin back just enough to fit into a socket and added it to the collection. A few years later I was going to [ECONCO](#) to have some big tubes tested. I brought along the H-800S and they tested it as a 3CX1200D7/YU-121 and it passed as a new tube. The H-800S must have been a special number just for this buyer. The 3CX1200D7 can be used up to 5.5 kV at 800 ma. The mu is 200 and it can be used up to 110 MHz. The filament uses 6.3 volts with a maximum of 6.6 volts at 25 amps. At less than 4 kV, grounding the grid will not exceed the maximum dissipation.

I had built a new [160-meter amplifier](#) with a single 4-1000A in grounded grid. It worked great, but that tube requires more drive than my transceiver can put out if I wanted to have an output of 1500 watts. I decided to try that H-800S in the amplifier. It uses the same socket as the 3-500Z and was easy to swap into the amplifier. The filament transformer was 6.9 volts so with a small variac, it was useable for either tube. The thorated tungsten filament is instant on. The amplifier now has an output of 1500 watts with only about 50 watts of drive. The white ring is an air seal made on the lathe from Teflon.

Norm N6JV

Visit the museum at [N6JV.com](#)



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 _____ ARRL member _____

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

Partner's name _____

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

Name _____ Call _____ Birthday _____

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

