



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."

Our next club meeting

May 12 Friday 7 P.M.

Derrel's Mini Storage Office 3239 W. Ashlan  
Ave Fresno, CA 93720

### FARC Next Event- Meeting May 12 Fri. at 7 P.M.

FARC BOARD meets  
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

Come to the May meeting and learn about how to remotely control the Icom IC-9700 at home or across the internet. We will go over settings that need to be set, networking, and the pros and cons of remote operation. The presentation will include a live demo of the IC-9700 installed at K6USY's house.



# IC-9700 Remote Control

K6USY – Aaron Lusk

**Fresno Amateur Radio Club**

Fresno Amateur Radio Club  
April 25, 2023



The FARC received the sad news today that our president, Stu Home, WB6VRJ, passed away this morning after a short illness. Stu was one of our long serving members, and had held the president's office longer than any past president.

In the words of Ed, WA6U, "He was always up for a joke, and he was always an encourager".

From Phyllis Mayer

It is with a heavy heart that I share with you that my husband, Walter "Stuart" Home, died this past Monday at the VA Hospital after a brief illness.

An open casket Visitation will be held at the Chapel of the Light on Thursday, May 11, 2023, from 6 pm -8 pm, at 1620 W. Belmont, Fresno, 93728

Stuart's funeral Mass will be held the following Friday, May 12, at 10:00 am at the Shrine of St. Therese, 855 E. Floradora, (Corner of Wishon Ave. and Floradora).

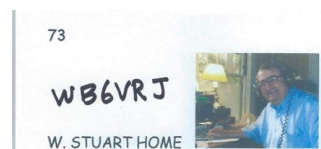
Interment will follow at Belmont Memorial Park, 201 Teilman, Fresno, 93706.

A reception with memories of Stu will follow...



Thank you, to all who have been showering me with love and support during his illness.

Phyllis Mayer

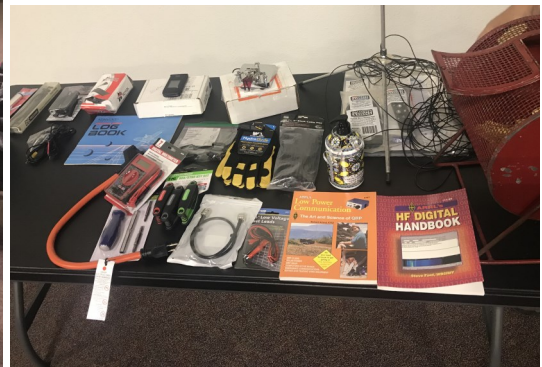






: FARC April meeting, lead by VP Ken, WA6OIB  
Presentation about hidden dipoles, and great prizes, along with donuts, make a great meeting.

Perry, K6XJ, with two new hams, Lea, KN6ZIT and Dan, KN6ZIS.



**FARC– New Members! 2023 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. Details from Stu, WB6VRJ**

## FARC BOARD OF DIRECTORS

### FARC Officers and Board members:

Stuart Home(SK), WB6VRJ President			12/2023
Ken Holden, WA6OIB VP (acting Pres.)	wa6oib@w6to.com	(559) 289-2891	12/2024
Pending board action			
Marcus Beedle KG6QNY Treas.	kg6qny@w6to.com	(559) 360-7444	12/2024
Jim Erbe, W6NIF Sec.	w6nif@w6to.com	(559) 222-7524	12/2024
Larry Lion, W6OWL	larrylion2@outlook.com	(559) 227-5159	12/2024
Dennis Holloway, KI6NVG	dki6nvg@hotmail.com	(559) 323-7386	12/2023
Rob Egan, KM6SRR	egan@netptc.net	559) 281-4730	12/2023
<u>Web master</u>	Aaron Lusk, K6USY	k6usy@w6to.com	(559) 905-4180
<u>Skip Editor</u>	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](http://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 May 12, 7 P.M. Friday**

**QCWA Lunch May 23 Tuesday noon**

**THunt May 27 10 A.M. Sat.**

**FARC meeting June 9, 7 P.M. Friday**

**VHF Contest June 10-11 Sat.-Sun.**

**FD June 24-25 Sat.-Sun.**

**FARC meeting July 14 7 P.M. Friday**

### 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 operators. 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 the Monday before the fourth Tuesday of the month.

**Backup FARC repeater if 146.94 is down—**

**146.61 pl 141.3**

## Preparing for Field Day

Planning involves a number of steps: • The first in planning is where to hold Field Day. What area do you want to set up for Field Day?

The next big thing then is equipment and antennas.

Pick a category to enter. Find your team. Day time op only? Public demonstration, vhf or hf or both? Food! Always fun and important. Safety officer, publication, invitation to public figures. How involved does the team want to be? Batteries and solar, or generator? Satellite QSO? Message to SM.  
Or all club members operate from home under their own call and form an aggregate club score.

The May FARC meeting is the place for discussion on the goals of the club.

The June meeting will be the finalization leading up to the event.

Another special event for hams to start collecting is the W9IMS certificate.

First event starts May 7 thru May 13 on various ham bands, either on SSB or FT8. This first event is the Grand Prix on the 14th.

So go to QRZ and look up that call and read all about this nice event that I have been collecting certificates from.

Just something to do as a new or old ham operator. I usually hear the ham calling on 14.245 or thereabouts.

The 2nd event is the Indy 500 for the week of May 22-28th and the 3rd is Aug 7 -13, NASCAR Brickyard race.

Jim, W6NIF



**Field  
Day  
June  
23-24  
2023**



## 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 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

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***

5/16 John KJ6HBF

5/24 Ron KN6KWV

5/27 Julie Cardoza

### ***Anniversaries***

5/05 Mary & Dave KA6VTA

5/12 Craig W6CMR

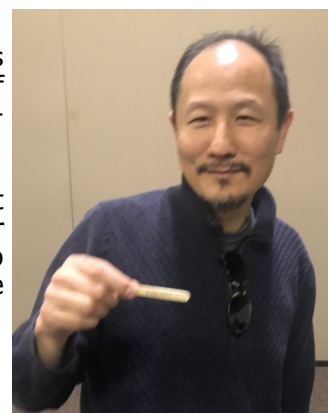
5/15 Earnest KN6RQI

5/27 Bonnie & Gary KM6CVB

### **The monthly attendance prize!**

The winner for April was present at the drawing of \$20. Guy, KN6WET collected!

Next drawing will be \$10 at the May meeting. If winner is not present it will go up \$10 a month until someone wins and is there to claim it.





QCWA Quarter Century Wireless Association Lunch  
Jeb's Blueberry Hill Café  
3851 N. Blackstone Fresno, cA 93726  
Noon Tuesday May 23, 2023

Net on Monday May 22 7 P.M. on 146.85 pl 141.3  
The net will continue during the summer, with the next meeting  
in September.

June 10-11 VHF-UHF contest on all simplex frequencies above 50 Mc.

Starts at 11 A.M. Saturday and goes all the way to 8 P.M. on Sunday.

Use GMT time if you are sending in your log to the ARRL.

All modes are good. There are different categories for low and high power, or portable or analog only. Rover categories as well, work everyone again after moving to a new grid.

**Contest Objective:** For amateurs in the US and Canada (and their possessions) to work as many amateur stations in as many different 2 degrees x 1 degree Maiden-head grid squares as possible using authorized frequencies above 50 MHz. Stations outside the US & Canada (and their possessions) may only work stations in the US (and its possessions) and Canada.

**Dates:** The second full weekend in June. **(June 10-12, 2023)**

**Contest Period:** Begins 1800 UTC Saturday, ends 0259 UTC Monday.

Contest Rules are now maintained as a single downloadable document.

[Click Here for Complete ARRL June VHF Contest Rules \(PDF\)](#)

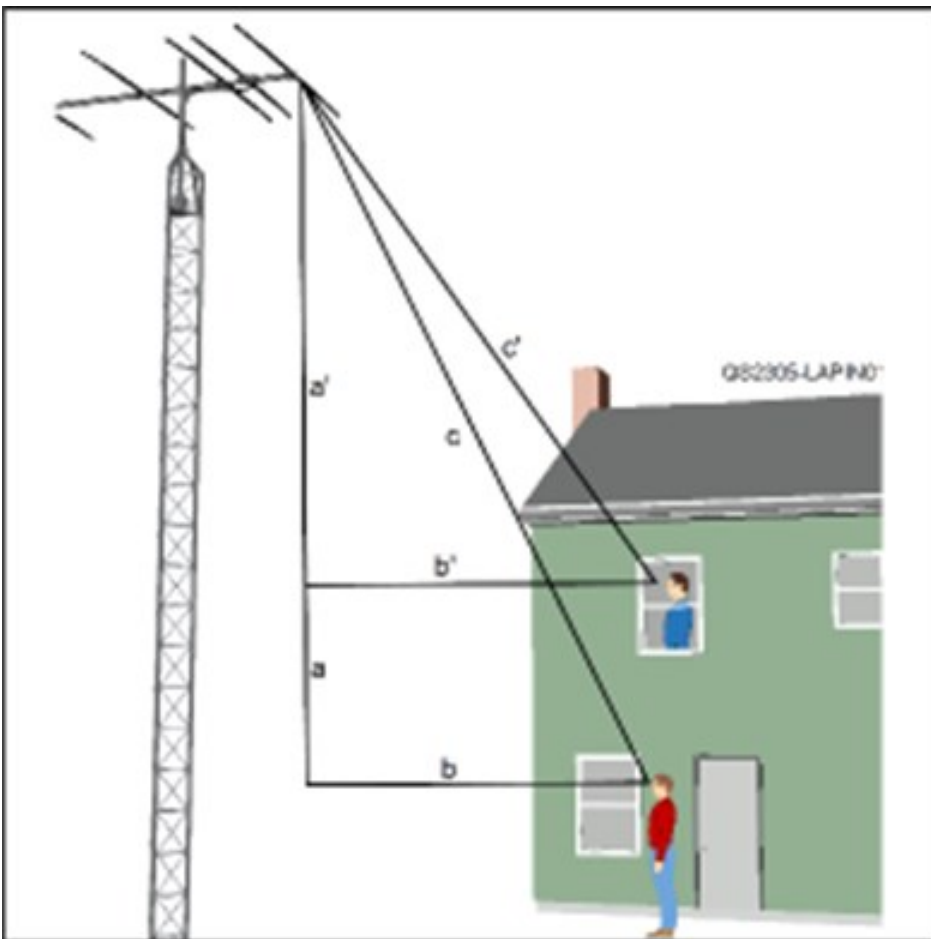
## **The Shuttle Amateur Radio Experiment (SAREX)**

The Kennedy Space Center Visitor Complex, at Cape Canaveral, Florida is an awesome place to visit for anyone interested in science and technology. One of the exhibits highlights Amateur Radio in space. Owen Garriott, W5LFL, made history on December 1, 1983 by operating 2 meter FM from the Space Shuttle Columbia's STS-9 10-day mission. The radio used by Owen was a 5 watt Motorola MX-340 VHF hand held.

Amateur Radio in Space was not structured as it is now, instead it was a free-for-all: see if you can make a contact. I still recall hearing the massive pile-up of local stations trying to contact Owen. Most likely thousands of hams were trying, so it is a wonder Owen was able to sort all the calls and make any contacts. I heard him but was not successful in making a contact. He did make noteworthy contacts including K7UGA, Senator Barry Goldwater; and JY1, King Hussein of Jordan. Owen's efforts were instrumental in establishing the ARRL / NASA Amateur Radio on the International Space Station (ARISS) program. ARISS enables schools to schedule Amateur Radio Communications contacts to allow students to talk directly to astronauts in orbit often with the assistance of local radio clubs.

Details of the ARISS program are at <https://www.ariss.org>  
A bio of Owen Garrett is available at: <https://www.amsat.org/owen-k-garriott-w5lfl/>

The actual radio Owen used is on display at the Space Shuttle Atlantis building.



## **FCC Exposure Rules Soon to Affect Every US Radio Amateur**

Gregory Lapin, PhD, PE, N9GL

Beginning May 3, all ham radio transmitters operating in the US will be expected to comply with new FCC rules governing RF exposure limits. These new rules, which went into effect in May 2021, raised many questions in the ham radio community. Gregory Lapin's, N9GL, article, "FCC Exposure Rules Soon to Affect Every US Radio Amateur," is a plain-language explanation of the FCC's expectations including information about how to perform the necessary assessments of your station.



## Tube of the Month

### UV-816D

One of the more interesting WWII tubes I have from Japan is the UV-816D. Its construction is different than any other transmitting tube I have seen. The basic tube is a 60-watt tetrode with a standard "50 watt" base. The filament requires 10 volts at 2.5 amps and the plate is rated at a maximum of 1200 volts DC. It could operate up to 15 MHz at full power. The unusual feature is that there is a fine mesh cylinder that is spot welded around all the internal structure and is connected to the screen grid. It's obviously a shield, but why it is needed is a mystery. Were they trying to keep something in or keep something out.

A good way to understand why something looks the way it does is to find out where it was used. There are few reference works that will give us details on the equipment used by the Japanese military. As an example, there are few surviving military aircraft as many that were flying near the end of WWII, were used in kamikaze attacks which gave them a poor record of survival. In 1944, the War Department printed a TM that described all the captured equipment the armed forces had found after a battle. This document is far from complete and has many omissions and errors, but it was a good effort for that time. The TM indicates some of the transmitters that used the UV-816D and the field equipment or aircraft where they were installed. From other sources I have identified more instances of where the tube was used. The pattern I see is that in all the equipment that used the UV-816D it was in an aircraft of the Japanese Navy. I found no other applications. Two of the transmitters were the Type 97 Mark 3 that used three tubes and the Type 96 Mark 3 that used a single. The Type 96 (first made 1936) was installed in the Aichi D3A (Val) dive bomber, the Nakajima B5N (Kate) torpedo bomber and the Mitsubishi G4M (Betty) medium bomber. The girl's names are allied nicknames used for easier identification. One common feature of these aircraft, is the antenna is a wire running from a post above the canopy to the top of the tail. At 100 watts, the RF field must be very high so close to the current end of that antenna. Is the shield an attempt to minimize the feedback into the transmitter to avoid oscillation?

In the April 2016 issue of QST, AH6CY gives us some background on the Type 96 Mark 3 transmitter and has allowed me to use his photo of it. On December 7<sup>th</sup>, 1941, Pearl Harbor was attacked by Kate torpedo bombers, Kate high altitude bombers and Val dive bombers. The transmitters were all only CW and had no phone capabilities, so in the movie, the Japanese commander yelling "tora, tora, tora" into the microphone, is all Hollywood. The commands were all in Japanese CW code.



Visit the museum at [N6JV.com](http://N6JV.com)  
Norm N6JV



Picture taken by Rob, AE6GE, showing the hunters from the March Hunt, which was hidden at a school in East Clovis.

The hunt was won by Mike KG6MSV, who will hide the transmitter at the next hunt on May 27, Sat.

## **Easton School To Get Wireless Transmitter**

*(By Bee Bureau)*

EASTON (Fresno Co.), March 13. —The Washington Union - High School will have a wireless transmitting set in the near future it is announced by officers of the school radio club, which is being sponsored by A. J. Aspinwall of the faculty, who will also be in charge of the installation of the set. The set will be a Schnell model, with a vertical antenna, and will be used for continuous wave phone transmission. The club has already received its license and will go by the call 6DEE and will be under the management of Harry Billings, also operator of station 6ALR-6CKW.

Hi John. Stan, W6XP sent this to me and where he got it I have no idea. Anyway,

It's a article from the past, way back there.

I have no idea of the year, but the calls are "old".

Thanks, Perry, K6XJ



## Fresno Amateur Radio Club



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Anything to sell? Send info to  
[k6mi@pacbell.net](mailto:k6mi@pacbell.net) for next month's  
Skip

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

Looking for a Kenwood TH-D74A.  
Handheld

Thanks Aram KD6STR

Looking for input, stories or pictures or just  
a sentence about your ham activities this  
month for the next. Skip.

Thanks, John K6MI

My name is Hal. I signed up for member-  
ship at the swap meet. Since, I have gotten  
my general license. I am shopping for my  
first HF mobile transceiver. If you might  
know of anyone that might have something  
for sale I would appreciate a heads up.  
Thank you KN6WEH Hal 559-930-0944



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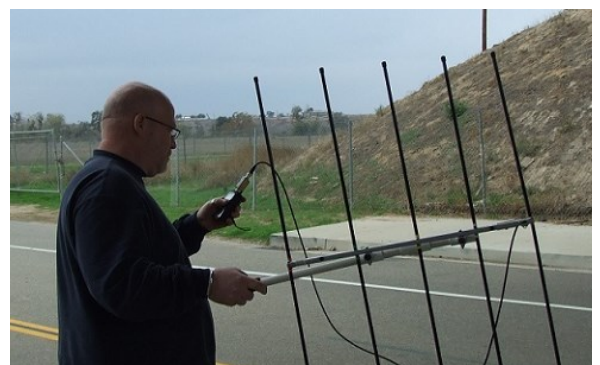
Want Bendix King programming cable for EPH HT.  
Dennis KI6NVG 559 323-7386

On the lookout for a good starter hf mobile radio w/  
ssb.  
Joe KN6QLE 493-1552

Need Yagi antennas for 10 and 20M, or multi band  
Yagi.  
Dan Zurcher 559 392-3305

I have a free 6-foot, 19-inch equipment rack avail-  
able to anyone that may want it. No rear door,  
average condition. Pick up in Kingsburg, 559-341-  
1978.

Larry, AD6W





**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) \_\_\_\_\_

Spouse'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

