

# Stockton-Delta Amateur Radio Club



AN ARRL AFFILIATED CLUB

[WWW.W6SF.ORG](http://WWW.W6SF.ORG)

## *July 2021*

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Welcome to the Stockton-Delta Amateur Radio Club

## **JULY MEETING ANNOUNCEMENT THURSDAY, JULY 8<sup>TH</sup>**

**Meeting starts at 7:00 PM**

**Stockton Sailing Club  
4980 Buckley Cove**

### **GETTING ACTIVE ON FT-8**

**QST QST QST...** The July meeting of the Stockton-Delta Amateur Radio Club will be held on Thursday, July 8<sup>th</sup> starting at 19:00 hours. The meeting will be held in person at the Stockton Sailing Club and streamed ON-LINE using Zoom Video Conferencing as our platform.

I have copied the invitation here, but you can join via the webmail link that will be on the W6SF website. Following the business meeting, John NZ6Q will be giving a presentation on FT-8. With the increase in sunspots and activity on 6-Meters, this is a mode that everyone can enjoy regardless of your license class. John will show you the equipment needed and the set-up and how you can get active and earn your WAS or DXCC on FT-8.



Tell your friends about this exciting meeting and plan on attending!

Topic: W6SF SDARC MONTHLY CLUB MEETING – JULY “GETTING ACTIVE ON FT8”

Time: July 8<sup>th</sup> , 2021 07:00 PM Pacific Time (US and Canada)

Join Zoom Meeting <https://us02web.zoom.us/j/84385771704>

Meeting ID: 843 8577 1704

One tap mobile +16699009128,,84385771704# US (San Jose)

## **PRESIDENT’S CORNER**

### **- Bob, N6TCE**



### **July 2021**

Greeting Radio Enthusiasts and Ham Radio Operators.

This newsletter should be going out early this month. This is important because we have an important assignment to report on before or July club meeting.

The ARRL Field Day event is on behind us now. Our reduced size event even earned a visit from Our Pacific Division Director Kristen K6WX and ARRL Vice President Bob Vallio W6RGG.

The Important event is support of the United Veterans Council’s 4<sup>th</sup> of July Parade through downtown Stockton. We still need a few more operators to assure we have complete coverage of the route plus mobile assignments. The UVC only got the approval for the event a few weeks ago. They have been holding weekly organizing meetings which I have set in representing the club.

Now is the time for all Amateur Operators to step up and assist with the parade communitons. This is a perfect chance for new Amateur Operators to get some on the air experience in operating controlled net. For more experienced operators this is an opportunity to mentor a new ham.

Bob, N6TCE  
President



## UNITED VETEREN'S COUNCIL 4TH OF JULY PARADE SUNDAY STARTING AT 8AM FOR SET-UP

### COME BE PART OF THE FIRST PUBLIC EVENT IN STOCKTON

QST QST QST.... Amateur Radio operators are need to help with the 4th of July Parade in Downtown Stockton. Come help "re-start" public events in Stockton and get a great seat for the parade!

The parade will start at 10:00 AM from the corner of Center St and Miner Ave.

Volunteers are needed for being the "eyes and ears" of the parade Division Captains as well as law enforcement and EMS should the need arise.

#### What to Bring

We will be using the downtown W6SF repeater 444.575Mhz + PL 107.2 - bring your VHF/UHF HT and spare batteries (if you have them). HTs are available if you do not have one. If you have a speaker/mic with your HT that would be very helpful.

Communication volunteers wear a red shirt (if you have one) and a yellow "safety vest". Safety vests are available if you do not have one.

If you're assigned to a street corner - folding chair, hat, sunblock.

If you're assigned to a Division Captain or mobile unit - hat, sunblock, HT with speaker/mic almost essential to overcome the noise factors. Be prepared to ride with the Division Captains along the route.

Volunteers will be the communication support for various parade officials and "watchful eyes" at strategic points around the route.

Volunteers need to be set-up before the city starts closing the streets at 8:00 AM

Net Control will be set-up at DeCarli Plaza along the staging area of the parade.

Sign-up now by contacting Bob N6TCE at [n6tce@arrl.net](mailto:n6tce@arrl.net) or use the Event Sign-Up button on the W6SF.ORG website





## MONDAY NIGHT NET CONTROL OPERATOR'S SCHEDULE

The club holds a weekly net every Monday night beginning at 8:00PM on the **W6SF** Repeaters on 147.165Mhz VHF and 444.250Mhz UHF. Club Repeater information is listed at the end of the newsletter.

***If you would like to learn how to be a Net Control Operator, contact one of the club Officers! We will happily mentor you during a Monday night net. This is a great opportunity to improve your operating skill in a "minimal" pressure environment. The***

***Schedule and Net Control Script are available on the club website at....***

<http://www.w6sf.org/netcontrolscript.html>

Thank you for volunteering to be our Monday night net controllers for July, August and September. Your assigned dates are listed below. We are now showing assignments for both the 7pm Tech Net and the regular 8pm club net, to aid in coordinating the two.

Please contact KG7OR if you need to reschedule an assignment on the Tech Net. Contact Dave N6LHL for anything concerning the regular 8pm club net.

Additional volunteers are always welcome for both nets and will help to share the load. Contact me or KG7OR if you are willing or can convince someone else!

<u>Date</u>	<u>7pm Tech Net</u>	<u>8pm Club Net</u>
July 5	Jim WB6BET	Mike K6AAN
July 12	Peter K6PH	Paul N6KZW
July 19	Paul N6KZW	Bob N6TCE
July 26	Eric K6ODS	Charlie WB6NVB
August 2	Mike K6AAN	Eric W6INP
August 9	Ron KG7OR	Dave N6LHL
August 16	Jim WB6BET	Ron KG7OR
August 23	Peter K6PH	Paul N6KZW
August 30	Paul N6KZW	Mike K6AAN
Sept 6	Eric K6ODS	Bob N6TCE
Sept 13	Ron KG7OR	Charlie WB6NVB
Sept 20	Mike K6AAN	Ron KG7OR
Sept 27	Paul N6KZW	Eric W6INP



## W6SF JUNE MEETING REPORT THURSDAY JUNE 11<sup>TH</sup> 19:00 HOURS

The June 2021 meeting of the Stockton-Delta Amateur Radio Club was called to order at 1900 hours by President Bob N6TCE. The meeting marked the return to the Stockton Sailing Club classroom after 15-months. The meeting was also live streamed via Zoom. Several of the officers gave reports and there were 18 in attendance plus 5 on Zoom.

John NZ6Q and Bob N6TCE discussed plans for FD2021 including antennas being raised and when people would need to be on hand to help those efforts. John also reported that the 2020 rule change would be carried over into 2021 allowing 1D & 1E “home” stations to work each other for QSO credit and that their QSO points could be contributed to the club’s overall effort.



Bob N6TCE walked participants through the 2021 Field Day club plan to safely offer a 4A to 6A category. We discussed the different bands, radios and antennas we would be putting in the air.

The meeting was adjourned at 2040 hours.

The next scheduled meeting of the Stockton-Delta Amateur Radio Club is Thursday, July 8<sup>th</sup> and the topic will be FT-8 for Everyone

73,

Annie N6ACL, Secretary





## FIELD DAY 2021 REPORT JUNE 26<sup>th</sup> & 27<sup>th</sup> W6SF FIELD DAY SITE ON DeVRIES RD

W6SF club members gathered first on Friday June 25<sup>th</sup> to put up the club HexBeam at the start of FD2021. Once the HexBeam was assembled and up on the tower, we pretty much quit for the day – except for waiting for the arrival of the porta-potty. Early Saturday Morning antenna preparations resumed soon after daybreak. Charlie WB6NVB and his team put up the mast for the 40/80 Meter dipole. Once ready to add the antenna, the halyard got snagged in the pulley forcing us to bring the mast down after putting up the all-band dipole and verticals. John NZ6Q and Paul N6KZW started setting up the radios and computers. Erin KM6LDD kicked us off on 20M Digi while we others started on 15M and 10M – both bands somewhat open. After operating a few hours we dropped the 40M tower to fix the antenna mount and then 40M took off.

John NZ6Q used his duplexers and tri-plexer to allow for multiple radios to share antennas and transmit simultaneously.

Antennas for 2M & 440M weak signal CW-SSB work would follow and a trap vertical for the GOTA station. We set-up operating positions facing the open air of the covered area and this allowed us to connect directly to the 100Ah batteries we had received from NorCal battery for the event. At almost 100lbs per battery they were not something to move around easily. (Thank you Dave N6LHL for your repeated help with this).

This configuration also allowed for easy connection to all antennas and tri-plexer combiner/filters were used to allow multiple stations on the multi-band antennas.

Mark W6SXA set up his solar charging system to keep batteries fully charged, but the 100Ah capacity per radio or set of radios appeared to easily be able to “go the distance” of a 24-hour event.

Throughout each day, Cindy and Mike from the online magazine “Soundings” took pictures, videos, etc. for an article they are writing and producing about Amateur Radio. <https://soundingsmag.net/>





Saturday morning we had received a call that ARRL Vice President Bob Vallio W6RGG and Pacific Division Director Kristen McIntyre K6WX might be making a visit. The two arrived shortly after 3:00 PM Saturday afternoon landing at Kingdon Airport. Thank you to Mark W6SXA who offered his services as Lyft Driver in his 'retired' military Utility Vehicle. I'm sure while the drive was short, the conversation was great – sparked no doubt by the interesting and unique "taxi" complete with ham radios in his truck. Bob and Kristen both did not escape the watchful eyes of our media guests Mike and Cindy. The weren't on scene long before both were being interviewed as well for the soundings magazine article.

Into the evening on Saturday the bands were good. 12-year old Shane K5SML took over the 20-meter voice station, while Erin KM6LDD and John NZ6Q worked FT-8 on 40M and 15M.

The "night shift" consisted of Erin KM6LDD who kept things busy both on digital as well as voice modes, Annie N6ACL on SSB and John NZ6Q mostly on CW.



Sunday morning again had good operating conditions and we continued to make QSOs right up to the 11AM stop for our station. Take down commenced pretty quickly thereafter and by 1:00 PM things were pretty much cleaned up, put up and ready to pack up for the next contest.

The 100Ah AGM Data Center batteries were offered for sale to club members at a cost of \$100 each and they were all sold by the end of the event. If you're interested, contact Joe at Nor-Cal Battery in Stockton, tell him you're a member of SDARC or ham operator and you can get more. They currently had several additional units available.

Scores are being tabulated and a report should be ready by the July 8<sup>th</sup> club meeting.





Several club members put in “Field Day at Home” efforts in the 1D, 2D, B and E classifications. Be sure to use the Stockton-Delta Amateur Radio Club – club affiliation – in the drop down menu if you’re submitting your log on line or write “Stockton-Delta Amateur Radio Club” across the top of your score submission if you’re mailing it to the ARRL. All logs / scores must be submitted by July 27<sup>th</sup> .

*Editor’s Note: Personally I operated less this year than in previous years, but I have to say to all of you that came out (visitors and members) “Thank you, Thank you”.*



**Special Thanks to Dave N6LHL, Michael & Cindy who provided the many of the pictures! More pictures are online on the w6sf.org website**





## *The Annual 13 Colonies Special Event*

<i>GB13COL</i>		<i>TM13COL</i>		<i>WM3PEN</i>
		<i>NY - K2A</i>		
<i>VA - K2B</i>	<i>DE - K2E</i>	<i>MA - K2H</i>	<i>NH - K2K</i>	
<i>RJ - K2C</i>	<i>MD - K2F</i>	<i>NJ - K2I</i>	<i>SC - K2L</i>	
<i>CT - K2D</i>	<i>GA - K2G</i>	<i>NC - K2J</i>	<i>PA - K2M</i>	

# 13 COLONIES SPECIAL EVENT GETS UNDERWAY JULY 1<sup>ST</sup> THRU JULY 8<sup>TH</sup>

The annual [13 Colonies](#) special event will begin on July 1 at 1300 UTC and conclude on July 8 at 0400 UTC. Stations representing the original 13 British colonies, plus two bonus stations, will be on the air with 1 × 1 call signs. The event sponsor stresses that participants do not need to work all 13 colony stations to obtain a certificate and do not need to work the two bonus stations for a clean sweep. All HF bands will be in play, with the exception of 60 meters, and simplex on 2 and 6 meters is encouraged. All modes of operation may be represented.

- This year will mark the 12th occurrence of the event. Look for:
- K2A, New York
- K2B, Virginia
- K2C, Rhode Island
- K2D, Connecticut
- K2E, Delaware
- K2F, Maryland
- K2G, Georgia
- K2H, Massachusetts
- K2I, New Jersey
- K2J, North Carolina
- K2K, New Hampshire
- K2L, South Carolina
- K2M, Pennsylvania.

Bonus station WM3PEN will be in Philadelphia (the call sign commemorates the Pennsylvania colony's founder, William Penn). The other bonus station will be GB13COL in the UK.





## Youth on the Air

Activities for the Next Generation of  
Amateur Radio Operators in the Americas

**YouthOnTheAir.org**

## W8Y YOUTH ON THE AIR JULY 11 - 16

The first camp for young amateur radio operators in North, Central, and South America will operate special event station W8Y throughout the camp from July 11-16, 2021, and will stream the opening and closing ceremonies and International Space Station contact on YouTube.

WEST CHESTER, Ohio, June 27, 2021—The long-awaited Youth on the Air Camp in the Americas is almost here! Campers will be operating special event station W8Y from both the National Voice of America Museum of Broadcasting in West Chester Township (North Cincinnati), Ohio, as well as the camp hotel.

Activation of the W8Y callsign will begin the evening of Sunday, July 11 and conclude at 1 p.m. on Friday, July 16. Youth will operate the station as they finish projects, between sessions, and during free time.

In addition, dedicated HF station operating times will be: Monday, July 12 from 0100Z to 0330Z; Tuesday, July 13 from 0000Z to 0330Z and 1800Z to 2130Z. Dedicated satellite station operating times will be: Thursday, July 15 from 1400Z to 1700Z and Friday, July 16 from 1500Z to 1700Z.

The opening and closing ceremonies and the International Space Station contact (ARISS) will be streamed live on the Youth on the Air YouTube channel. The opening ceremony is Sunday, July 11 from 2100Z to 2230Z, and will feature keynote speaker Tim Duffy, K3LR. The closing ceremony is Friday, July 16 from 1700Z to 1800Z. The channel will also feature a daily highlight video spotlighting the activities of the previous day.

The ARISS contact is currently scheduled to take place on either Thursday, July 15 at 1416Z or Wednesday, July 14 at 1503Z.

For details about the camp, download the brochure from the web page at [YouthOnTheAir.org](https://YouthOnTheAir.org).





**AUGUST HAM CRAM  
STOCKTON FIRE STATION #2  
110 W SONORA ST, STOCKTON  
SATURDAY AUGUST 14, 2020  
DOORS OPEN 7:45 AM**

The Fire Station is open and we are scheduled for our next HamCram on Saturday August 14<sup>th</sup>.

“Get Your License in a Saturday” is the perfect solution to getting your ham radio license in today’s busy world. No tedious preliminary home study. No long, boring once-a-week classes. You attend for just one day, 8:15 AM to 3:30 PM, and you’re done. Tell your unlicensed friends to sign-up early as seating will be limited due to social distancing guidelines. HamCram is a \$20 fee to cover the cost of the materials.

**Testing-Only Also Available**

The FCC exam session starts at 3 PM. There will be no walk-ins allowed. You must pre-register if you want to take the test. You do not need to attend the HamCram just to take an exam. If you’ve paid to attend the HamCram, the exam is included.

Sign up for the next HamCram clicking the link [here](#).



**REPEATER USAGE DO'S & DON'T'S  
W6SF 147.165MHz / 442.250 MHz**

**A quick reminder now that we are getting out more and getting back into regular club and net activities on our repeaters...**

1. During times of peak use, please keep transmissions short on all repeaters and pause long enough between them to allow emergency traffic to break in.
2. Please be courteous in your use of the repeaters. Keep conversations to a length that will allow others to enjoy the machines too. Do not break into a QSO unless you are certain you will be welcomed and you have something to add to the conversation.

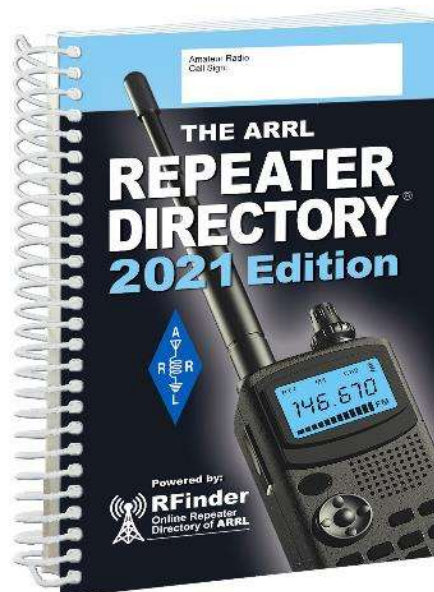
3. Please use common sense and good taste during QSOs. Do not use profanity or make suggestive or off-color remarks or jokes. Likewise, conversations of a very trivial, personal, critical, or negative nature are inappropriate. Remember that many individuals—including non-hams—may be listening, so please do your part to leave a good impression of the Amateur Radio Service and SDARC with our audience.
4. Please keep testing on repeater frequencies to a minimum. DO NOT “kerchunk” the repeater to see if it is on the air. If you do, you must identify your station. It is not OK to transmit without identifying.
5. If you hear a new callsign on the repeater it might be a new ham. Meet them on the air like you would a new person at a club meeting. Listen and offer assistance and answer questions. Invite them to the Monday night and Thursday night nets.



6. Visitors are welcome on the W6SF repeaters. Please assist any visiting amateur who requests help.

7. The repeaters have timeout circuits that automatically shut the transmitters down in the event there is a steady carrier on the input frequency for longer than 2 minutes. To reset this timer, wait to hear the “courtesy tone” (a beep) before replying to the other person’s traffic. You don’t have to let the repeater transmitter drop off completely.

8. Please identify clearly at the beginning and end of each conversation, as well as every 10 minutes during the conversation if it exceeds 10 minutes in length. If breaks between exchanges exceed a minute in length, please treat the next transmission as the beginning of a new conversation (ie, identify). These guidelines differ somewhat from FCC identification requirements but work well for our large number of users.



**Please read the following Repeater Tips from the ARRL. They offer other suggestions for proper and courteous repeater operation.**

DOs

- Do keep all transmissions short. Emergencies don't wait for monologues to be finished. If you want to hear your own voice, what you want is a tape recorder, not an FM rig.
- Do think before you transmit. If you can't think of anything worth saying, don't say anything.
- Do be courteous. A repeater is like a telephone party line and requires the same kind of cooperation in its use.
- Do pause a couple of seconds between exchanges. Someone with a high priority need for the repeater may want to break in.
- Do use simplex whenever possible. Leave the repeaters available for those who need them.
- Do support your local repeater club. Maintaining a good machine is an expensive and time-consuming undertaking, and you should do your share

DON'Ts

- Don't monopolize a repeater. The best repeater users are the ones who do a lot of listening, and little transmitting.
- Don't forget that what you say over a repeater can be heard over thousands of square miles — by anyone with an inexpensive scanner or public service band monitor. These people are potential hams; if they like what they hear on the air, they will want to get licenses and join us. Don't leave them with a bad impression of our hobby by making thoughtless or off-color remarks.
- Don't break into a contact unless you have something to add and you're sure you'll be welcomed. Interrupting is no more polite on the air than it is in person.
- Don't try to prove what a great operator you are by criticizing the operating techniques of others on the air. Instead, set an example that others will be proud to follow.
- Don't forget that amateur radio is allocated frequencies because it is a service, not just a hobby. Don't neglect the public service aspects of VHF/UHF FM communication, such as accident reporting, emergency preparedness, etc.



Shhhhhh!!! i'm  
hunting wadjos!

-Elmer Fudd

## AUGUST MEETING ANNOUNCEMENT THURSDAY, AUGUST 12<sup>th</sup> 6:00 PM STOCKTON SAILING CLUB PAVILLION 4980 BUCKLEY COVE WAY

Get ready for the annual SDARC Bar-B-Que and Transmitter Hunt.

We are planning on serving dinner starting around 6:30 PM and start the meeting with Mike K6MDS transmitter hunt training at 7:00 PM. Fox Hunting commences at 7:30PM

Don't have a directional antenna? Here are simple plans and you get 6 weeks to build one! Need Help? Paul N6KZW, Mark W6SXA and John NZ6Q and many others are great antenna builders...

### The Tape Measure Antenna

*Introduction: The Tape Measure Antenna*



Are you looking for an easy kid friendly project? Are you looking for a project to encourage a new generation of ham radio operators?

This project is unusual, so it's something that will certainly capture the attention of anyone, particularly a kid. It's an antenna built out of PVC pipe, a tape measure and a handful of hose clamps. Disclaimer: This project isn't new; it's not even my idea or design. I used the design from Joe Leggios (WB2HOL). The plans to his antenna are [here](#).

## Materials List

3/4" Schedule 40 PVC Pipe - at least 25"

6 hose clamps big enough to fit around the PVC pipe

1 3/4" PVC tee

2 3/4" PVC crosses

8' RG-58 cable with a connector attached to one side. I soldered a female BNC to mine.

5" wire. I used 18 gauge solid copper wire, but I'm told anything works.

Rosin core solder

Tape measure with 1" wide tape

PVC glue

## Tools Needed

Soldering iron

Tape measure

Pipe cutters

Wire stripper

Shears or scissors

Sand paper

SWR Meter

Screwdriver or wrench for tightening the hose clamps

### *Step 1: Cutting the Elements and Assembling the Boom*



You'll need to cut two pieces of PVC pipe. One piece will be 17 1/2". The other 7". This, along with the PVC connectors, will form the frame of the antenna.

Assemble the pipe to form the frame ("boom") of the antenna. Gluing each piece together, the

17 1/2" piece connects between the tee and the first cross. The PVC tee is the front of the antenna. The 7" piece connects between the first and second tees.

Disassemble the tape measure by pulling the tape out of the case. If you pull the tape past it's end, you'll find that it's connected to a spring. Simply twist the tape so it disconnects from the spring.

Cut the tape at 35 1/8". This will be the director of the antenna and will attach to the front of the antenna.

Cut two 17 3/4" long pieces of the tape. These will serve as the driven elements.

Cut an additional element from the tape. This will need to be 41 3/8". This is the reflector element.

Sand all the ends of the elements so they are smooth to the touch. These are extremely sharp if left un-sanded. Also sand off about 1/2" of paint on the ends of the bottom side of the driven elements. This will be where you will solder the wires later.

Note: If you are going to mount the antenna, set it up so the antenna will be forward of the mounts. Yagi antennas may suffer in performance if mounted elsewhere, like the center of the boom.

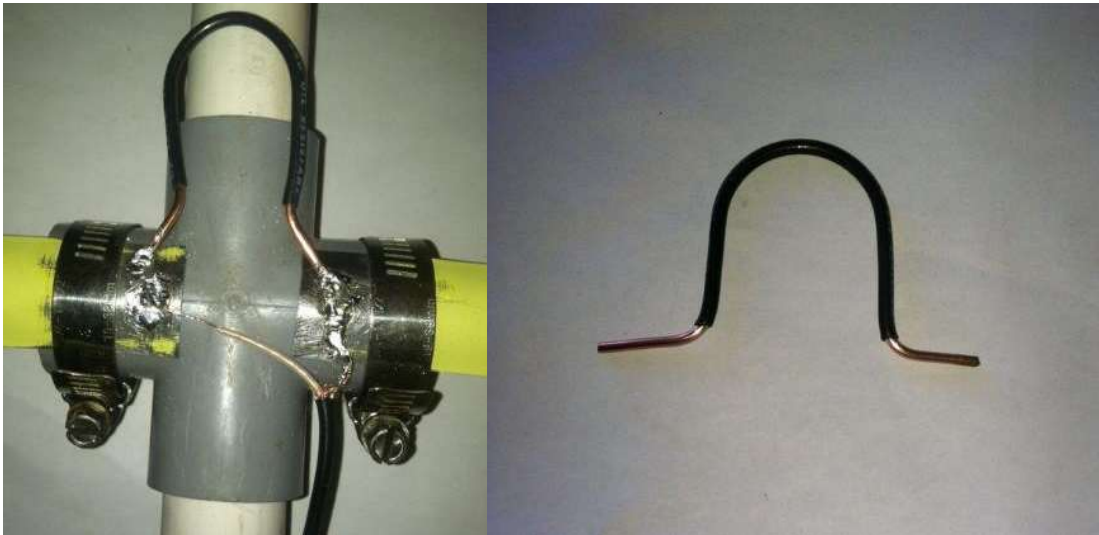
### ***Step 2: Installing the Elements of the Antenna***

Slip the hose clamps over the PVC tee at the front and slip the Director element under it. Tighten the hose clamps so it is secure.

Attach each of the driven elements to the frame of the antenna with the sanded sides facing each other. Before securing the elements, space the elements 1" apart and tighten the clamps.

Finally, attach the reflector element at the rear of the antenna and tighten the clamps.

### ***Step 3: Soldering the Wires***





Now you will tin the ends of the driven element. Simply heat the soldering iron and apply solder to the tape measure at the sanded spots. Make small pads where you can solder two wires to each side of each driven element.

Strip the end of the RG-58 cable and isolate the outer and inner wire. Solder one side of the RG-58 to a driven element and the other to the opposite driven element.

Strip the 5" piece of 18 gauge (or whatever wire you have) and solder a side to each of the driven elements.

I chose to add an optional piece of PVC and an elbow at the rear of the antenna to make it easier to hold and/or mount. I also chose not to glue the PVC together so the antenna can be broken down for storage.

### ***Step 4: Adjusting the Antenna***

Adjusting the antenna is very simple. Simply attach a SWR meter between the antenna and the radio. Adjust your radio to 146.580 mhz and check your SWR reading. If the reading is more than 1.2 to 1, turn off your radio and adjust the driven elements by loosening the hose clamps and moving the elements toward each other. Turn on your radio and check your SWR again. Repeat until your SWR is at an acceptable level. I was lucky and my antenna registered extremely close to 1 to 1 without adjustment.

When adjusting the driven elements make sure your radio is off.

### ***Step 5: Technical Notes***

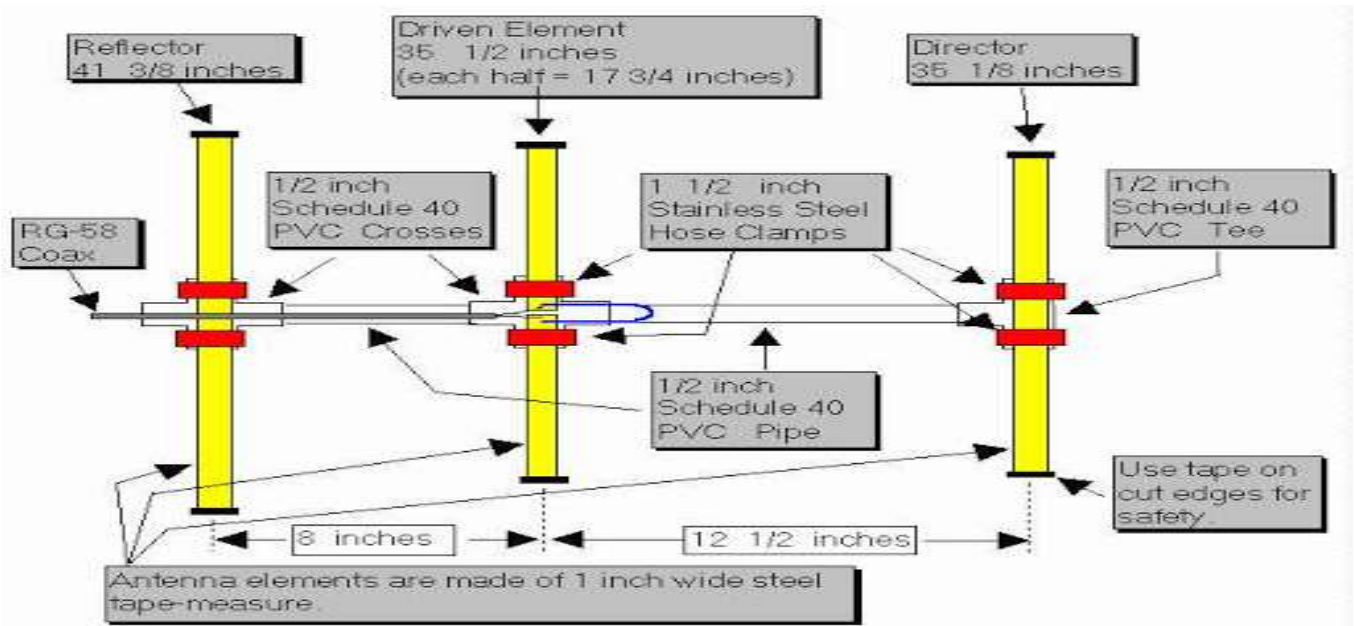
Software modeling programs show that this antenna should have a gain of 7.3 dBd.

Real world experience: Running a HT at 5 watts, my nephew and I were able to use a repeater 65.7 miles away, with reports of a clear signal. We were also able to access several other repeaters that are 40 to 50-miles away. Performance will vary based on your location.

While this antenna is designed for VHF two-meter operations, it can easily be redesigned for other frequencies like 1.25 meter, 70 cm or 33 cm. There are many websites that will calculate the length of and length between the elements on a Yagi-Uda antenna. You can try Martin Meserve's (K7MEM) online calculator [here](#).

The original plans for this antenna are available at Joe Leggios (WB2HOL) website. A link to the plans is [here](#).

Additional plans are available from KC0TKS' website [here](#), as well as from NT1K's website [here](#).



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## HRO IS OPEN IN SACRAMENTO!

I KNOW WHAT YOU ARE ALL SAYING – IT’S ABOUT TIME!! HRO is now open in Sacramento.

HRO recently announced, “In our continuing effort to provide our customers exceptional sales and service, Ham Radio Outlet is expanding to better serve you. Announcing Ham Radio Outlet in Sacramento, California. Located close to downtown and with easy access from the freeway, HRO Sacramento will proudly serve Northern California and the surrounding area. Our new location will be 4813 Auburn Blvd Sacramento, California”. This is in the Oak Point Plaza shopping center a block or so south off

Madison and I80.

### HRO History

In 1971, a California Highway Patrol officer and veteran of the Navy signal corps, who happened to be a ham, came into possession of a little radio emporium on a wooden train platform in Burlingame, CA. Bob Ferrero (Bob), who was then K6AHV and later became W6RJ, was a dedicated California Highway Patrolman. He loved ham radio and was determined to make a go of starting a business selling amateur radio products.

Today, HRO is a family owned business with multiple sales locations throughout the United States which include a formidable presence on the Internet, making it the largest Ham Radio dealership in the world.

The HRO Oakland Store will be closing in favor of the Sacramento location. Road Trip anyone?





## Laurie Pattingale KM6SDK SILENT KEY

*(Reprinted from CCBVI Newsletter)* Hearts ache as everyone at CCBVI mourns the loss of beloved Laurie Pattingale, KM6SDK who passed away on May 18, 2021. Laurie served as CCBVI's education specialist, independent living skills instructor, braille instructor, and so much more during her 11 years' tenure.

Laurie certainly left her mark on the world. She dedicated her life to her youth and adult students, ensuring they had every available opportunity to become independent, contributing members of society. They related to her because she had "been there, done that" as someone who was blind.

Laurie played many roles: wife, mother, daughter, sister, teacher *(and Amateur Radio Operator)* . . . she did everything. She and her legacy live in our hearts.

Laurie got her amateur radio license through our HamCram program in 2018. Her husband Pat is KM6QEU. Their daughter Shellie also earned her Technician License at the same session as her mom. Her call is KM6SDJ.

## SAN JOAQUIN COUNTY ARES (SJCARES) MEETINGS HELD ON TUESDAY NIGHTS STARTING AT 7:30 PM



SJCARES The San Joaquin County ARES group is meeting on the air on Tuesday nights at 19:30 hours on the WB6ASU repeater 147.090 (PL 114.8 + 600 offset)

The ARES group continues to grow and more members are welcome. San Joaquin County Emergency Coordinator Fred K6FVC has set up weekly ARES Nets along with a monthly ARES meeting on Zoom on the 4<sup>th</sup> Thursday of the month.

SJCARES is now looking for a "home" for in person meeting starting as early as July 26<sup>th</sup>. You can get the latest information and join through their website at [www.sjcares.org](http://www.sjcares.org)

The ARES group is getting its first event as partner/coordinator with SDARC on the 4<sup>th</sup> of July Parade in downtown Stockton. San Joaquin County Alzheimer's Walk is going to use Amateur Radio in their 2021 Walk Against Alzheimer's on October 16<sup>th</sup>.

You do not have to be a W6SF member to join ARES and everyone with a valid Amateur Radio license is welcome.

# W6SF SWAP MEET PAGE

## ITEMS FOR SALE, FOR TRADE OR WANTED

TO LIST AN ITEM ON THE SWAP MEET PAGE PLEASE SEND AN EMAIL [n6acl@arrl.net](mailto:n6acl@arrl.net)

PLEASE NOTIFY THE SECRETARY WHEN YOU SELL THE ITEM OR NO LONGER NEED THE LISTING

• *Yaesu FT-100D, all-mode small transceiver, 160m – 70cm with microphone, power cord & manual. 100w on 160m – 6m, 50 watts on 2m, 20 watts on 70cm. Separate antenna jacks for HF & VHF/UHF and data jack for AFSK, FSK, Packet or FT-8. Perfect micro mobile or go-box application radio. \$400 John NZ6Q, 209-331-3078 [nz6q@arrl.net](mailto:nz6q@arrl.net)*



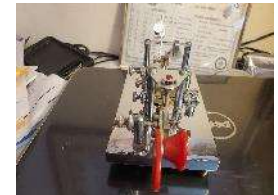
## DENNIS W6UT IS SELLING HIS UNIQUE COLLECTION OF CW KEYS

• **2004-2006 Vibroplex Original 100<sup>th</sup> Anniversary Key – Serial # 100A-536**

I purchased this key direct from Vibroplex. The key is no longer available. I could not find out from Vibroplex the year of production. The first year Vibroplex was patented was 1904 although some keys were made before the patent was issued. This key is as new as it has never been used and always stored in a case which will be included. I am asking \$300.00 plus shipping. From the Collection of Dennis Sanford, W6UT – email: [w6ut@att.net](mailto:w6ut@att.net)



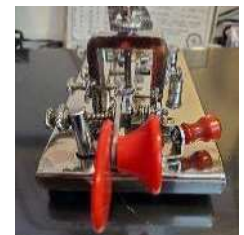
• **1977 Vibroplex Lightning Bug Deluxe Serial No. 382556.** The key is in VG condition. It includes the Vibroplex Vari-Speed Adapter. This Vari-Speed is no longer manufactured. This model key was made from 1927 to 1979. \$175 plus \$22.00 shipping via priority mail and double boxed. Dennis W6UT – email: [w6ut@arrl.net](mailto:w6ut@arrl.net)



• **1916 Vibroplex Original Serial No. 55439.** Dennis restored this key himself. The main frame and the damper frame have been replated. The key includes a sturdy protective case. \$275 plus \$22.00 shipping via Priority Mail and double boxed.



• **1940 or 1941.** Vibroplex Plate is not there. Arnold R. Noe is name on replacement plate and A.A.C.S. under name. Arnold was in US Army Aircorp from 1940 to 1945. AACS is ARMY AIRWAYS COMMUNICATION SYSTEM 1938. Arnold was born in 1917 and died in 2008. He lived and was raised in Columbus, OH. I have copy of his obituary from news paper that will go with key. The key is in excellent condition. \$250 with travel case plus \$22.00 shipping via priority mail and double boxed if shipped. [w6ut@att.net](mailto:w6ut@att.net)



• **1937 Vibroplex Martin Junior Serial No. 109995.** It is called a Junior because it is slightly smaller than an Original. The key is in VG condition. The feet have been replaced with Vibroplex feet. The old feet will be included with the key. \$250 plus \$22.00 shipping via priority mail and double boxed. I will include an original case for \$25. Dennis W6UT [w6ut@att.net](mailto:w6ut@att.net)



• **1943 Original Deluxe Serial No. 123982.** It is Battleship Gray as Chrome was needed for the war effort. It is in pristine condition. \$200 plus \$22.00 shipping via priority mail and double boxed. Dennis W6UT [w6ut@att.net](mailto:w6ut@att.net)



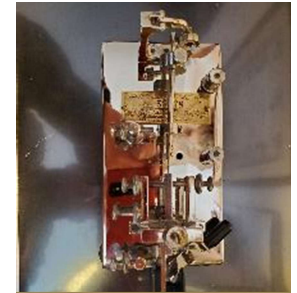
• **1956 Vibroplex Zephyr Serial No. 196386** . It is in very good condition. These were only manufactured from 1939 to 1958. \$180 plus \$22.00 shipping via priority mail and double boxed. Dennis W6UT [w6ut@att.net](mailto:w6ut@att.net)



• **1944 Vibroplex Champion Serial No. 137365.** The Champion's were sold from 1939 to 1979. It uses a standard Vibroplex Original base. The key is in Very Good Condition. \$160 plus \$22.00 shipping via priority mail and double boxed. Dennis W6UT [w6ut@att.net](mailto:w6ut@att.net)

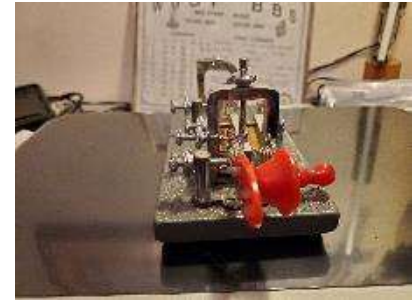


• **Vibroplex #4 Blue Racer Standard Serial No. 157953.** The key is in VG condition. It has one small flaw as paint chipped off next to the frame on the right side as it was being cleaned for these pictures. A touch of black paint will take care of it. \$175 plus \$22.00 shipping via priority mail and double boxed. Dennis W6UT [w6ut@att.net](mailto:w6ut@att.net)



Note: Dennis has 3 more Deluxe Blue Racers and a 1916 that he restored and comes with a Racer case.

• **1917 Original. Serial No. 58878.** It is Nickel Plated. It is in great condition. It includes the pictured case. \$300 plus \$22.00 shipping via priority mail and double boxed. Dennis W6UT [w6ut@att.net](mailto:w6ut@att.net)



If you are interested in purchasing any of these keys please contact Dennis W6UT via email at [w6ut@att.net](mailto:w6ut@att.net)

• **Kenwood TS-2000, all-mode transceiver, 160m – 70cm,** with microphone, power cord, & manual. Dual receive, 100 watts on 160 meters thru 2 meters, 50 watts on 70cm., built-in antenna tuner. \$700 or make an offer. Click here for ARRL review. John, K6YK, 209-462-7391 [K6YK@arrl.net](mailto:K6YK@arrl.net)



• **Kenwood TS-430S HF transceiver,** 160-10m, 100 watts. Great HF starter rig. Professionally serviced in 2017. \$350. Jim, WB6BET, 209-625-5771, [WB6BET@arrl.net](mailto:WB6BET@arrl.net)



• **GAP Titan DX Antenna**, 80 – 6m Vertical Dipole – no radials required, ground mount or roof mount. 24 feet tall, uses a clamp + Kevlar rope about 2/3s up for added stability. Great performance especially on 40M for DX Estate Sale from N6GTO \$200 or B/O antenna will be disassembled and delivered within reasonable distance from Stockton John NZ6Q 209-331-3078 [nz6q@arrl.net](mailto:nz6q@arrl.net)



• **RigExpert AA-170 Antenna Analyzer** - a powerful antenna analyzer designed for testing, checking, tuning or repairing antennas and antenna feedlines up to 170MHz ( 0 – 170Mhz). Mainly, this is an SWR (Standing Wave Ratio) and impedance measurement instrument (vector impedance analyzer). Estate Sale from N6GTO this is brand new in the box \$250 pick up in Stockton (\$25 additional for shipping/insured) John NZ6Q 209-331-3078 [nz6q@arrl.net](mailto:nz6q@arrl.net)



• **65 FT Self-Supporting Tri-Ex Crank-up Tower** – These towers are several thousand dollars new and reasonably priced at \$600 each which can included limited delivery area around Stockton, CA Hand Crank included on each and are in solid shape. Estate Sale from N6GTO – John NZ6Q 209-331-3078, [nz6q@arrl.net](mailto:nz6q@arrl.net)



• **Shure Model 444 Desk Microphone** – Classic Microphone sounds and looks great next to any rig, but Kenwood, Heathkit and Yaesu tube rigs seem to give it the most prestige. Wired for 4-prong plug typical for classic tube transceivers Hi-Lo impedance switch on bottom . Asking \$60 or BO John NZ6Q 209-331-3078 [nz6q@arrl.net](mailto:nz6q@arrl.net)



• **Kenwood TS-570D HF Transceiver 160m – 10m** – with microphone, power cord, & manuals. Outstanding receiver, 100 watts on 160 meters thru 10 meters, built-in antenna tuner and excellent noise reduction circuits. Great Kenwood audio for both transmit and receive. In original boxes. Great starter radio – easy to operate. Asking \$400. Click [here](#) for EHAM.NET reviews. John NZ6Q 209-331-3078 [nz6q@arrl.net](mailto:nz6q@arrl.net)



• **Yaesu FT-990 HF Transceiver 160m – 10m** – with microphone, built in AC power supply, & manual. Outstanding receiver, 100+ watts on 160 meters thru 10 meters, excellent built-in antenna tuner with roller inductors and almost 10:1 range. Has a couple of minor cosmetic flaws. Great starter radio – easy to operate and no other equipment needed. Asking \$400. Click [here](#) for EHAM.NET reviews. John NZ6Q 209-331-3078 [nz6q@arrl.net](mailto:nz6q@arrl.net)



## 2021 CLUB MEETING DATES & PROPOSED TRAININGS

January 14 .....	Annual General Meeting, W1AW Tour
February 11.....	Meeting – How to get the most out of your ARRL Website – Steve Ewald, WV1X
March 11.....	Meeting – ARES Go Boxes – James Lea, KX4TV
April 8 .....	Meeting – Tall Towers – Bob Hess W1RH
May 13.....	Meeting – Get on your SOTA – Steve, WG0AT from Colorado
June 10 .....	Meeting - Field Day Final Prep
July 8 .....	Meeting – Getting the Most from FT8
August 12.....	Meeting – RDF – Fox Hunting Club BBQ
September 9.....	Meeting – Contesting & Logging / CQP 2021
September 25 .....	Club Breakfast – 9:00 – Location & Program TBA
October 14.....	Meeting - Nominations for Officers 2022 – DMR - Vince KM6IRY
November 11 .....	Meeting – Elections – Program TBD
December 9 .....	Christmas Dinner / Year End Celebration
December 31.....	Cosmic Bowling & Straight Key Night

### HamCrams for 2021 – 7:45 AM - Stockton Fire Station #2

February 6<sup>th</sup>                      April 10<sup>th</sup>                      August 14<sup>th</sup>                      October 9<sup>th</sup>                      December 11<sup>th</sup>

### Ham-U Training Day – 8:00 AM Fire Station #2

**September 18<sup>th</sup>**

#### Club Events 2021

March 21 <sup>st</sup> – Ride/Walk 4 Art	Valley Springs –
April 19 <sup>th</sup> – Rookie Round-up	On the Air Event
April 24 <sup>th</sup> – STEAMFEST 2021	<b>VIRTUAL Presentations</b>
April 24 <sup>th</sup> – Stockton Sailing Club Event	Stockton Sailing Club – <b>TBD</b>
April – May – Weed-Whacking on the hill	Fiddletown Repeater Site - TBD
May 2 <sup>ND</sup> – Delta Century Ride	Jessie’s Grove Winery – <b>CANCELLED FOR 2021</b>
Jun 4 <sup>TH</sup> – 6 <sup>TH</sup> – Museum Ships Weekend	USS Lucid, Stockton, CA
June 19 <sup>TH</sup> – Kids Day	Stockton Libraries – <b>CANCELLED FOR 2021</b>
June 26 <sup>TH</sup> – 27 <sup>TH</sup> – ARRL Field Day	Club Field day Site, Stockton, CA
July 3 <sup>RD</sup> – 4 <sup>th</sup> of July Parade	Downtown Stockton – <b>VOLUNTEERS NEEDED TODAY!</b>
September 25 – Club Breakfast Meeting	Location TBD –
September 23 - Miracle Mile Car Show Event	Miracle Mile
October 2 <sup>ND</sup> – 3 <sup>RD</sup> – California QSO Party	Club Field Day Site, Stockton, CA
October 15 – 17 – Pacifcon 2021	San Ramon Marriott
October 16 <sup>th</sup> – Alzheimer’s Walk for a Cure	Pacific Ave Miracle Mile, Stockton
November 7 – Giro D’ Vino Ride	Woodbridge Winery, Acampo, CA
November 13 – 14 ARRL Sweepstakes Phone	Club Field Day Site, Stockton, CA
November 25 – Run Against Hunger	Waterfront – Downtown
December 10 – 12 – ARRL 10M Contest	Club Field Day Site, Stockton, CA





# AMATEUR RADIO

## A HAM'S CALENDAR

**July 4<sup>th</sup> – 4<sup>th</sup> of July Parade – 0800 hours** - Downtown Stockton – Volunteers needed contact Bob N6TCE , [n6tce@arrl.net](mailto:n6tce@arrl.net)

**July 1<sup>st</sup> – 8<sup>th</sup> – 13 Colonies Special Event – On The Air** - Work special event stations in all 13 colonies on voice, CW, or digital modes for “Clean Sweep”. Bonus stations and certificate available <http://www.13colonies.us/>

**July 8<sup>th</sup> – July SDARC Meeting – 1900 Hours - Stockton Sailing Club + Zoom** - 4850 Buckley Cove Rd, West on March La West of I 5. Program – Get on FT-8! Anyone can work DX on FT-8 and quickly earn your WAS now that 10-meters and 6-meters are open.

**August 7<sup>th</sup> – 8<sup>th</sup> , 2020 – North America QSO Party CW** - 1800Z on 8/7 to 0559Z on 8/8 – Work as many North American stations as possible – 100 W or less <http://www.ncjweb.com/NAQP-Rules.pdf>

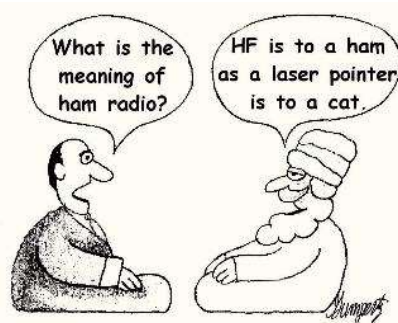
**August 14<sup>th</sup> 2020 – HamCram + Test Session, Stockton Fire Station #2 Doors open at 7:45 AM** - Test session starts at 3:00 PM after the HamCram is completed. Pre-registration required [www.w6sf.org/hamcram.html](http://www.w6sf.org/hamcram.html)

**August 12<sup>th</sup> , 2020 – SDARC August Meeting - 1800 hours – Annual Transmitter Hunt, Bar-B-Que and Supper, Stockton Sailing Club Pavillion, 4980 Buckley Cove Way, Stockton, CA...** All members are encouraged to attend – Dinner served at 6:30PM Transmitter Hunt training starts at 7:00 PM

### JULY – AUGUST STATE QSO PARTIES

Missouri	07/31/2021	08/01/2021	<a href="#">Boeing Employees' Amateur Radio Society – St. Louis</a>
Maryland-DC	08/14/2021	08/15/2021	<a href="#">Anne Arundel Radio Club</a>
Hawaii	08/28/2021	08/29/2021	<a href="#">Hawaii QSO Party</a>
Kansas	08/28/2021	08/29/2021	<a href="#">Kansas QSO Party</a>
Ohio	08/28/2021	08/29/2021	<a href="#">Ohio QSO Party</a>

Do you have any suggestions, comments or concerns? We want to hear from you.  
Do you have an idea that we, as a club can all benefit from? Let us hear about it.  
To submit articles for the monthly newsletter, email N6ACL [annettel@westwayfeed.com](mailto:annettel@westwayfeed.com)



## W6SF CLUB INFORMATION

**MEETINGS:** Regular meetings are held on the second Thursday of each month **at the Stockton Sailing Club, 4980 Brookside Cove, Stockton, CA – off March Lane west of Interstate 5**. Members, guests, and people having an interest in Amateur Radio are invited to attend. The next meeting is scheduled for **Thursday, July 8<sup>th</sup> at 1900 hours. This meeting will be in person at the Stockton Sailing Club and held on-line using Zoom.** Members and guests are welcome – login info in this newsletter.

**WEEKLY NETS:** Held each Monday evening at 1900hrs is the **W6SF New Ham/Tech Net** hosted by Paul **N6KZW and Others**. Then at 2000hrs the regular club net starts. **147.165+ PL 107.2 Hz and 442.250 + PL 107.2 are the regular repeaters for these Nets.** Members and visitors are invited to check in. There is also an unofficial get together on Thursday evenings (except meeting night) at 8:00pm **on 28.457MHz**. Amateurs with the proper license are encouraged to participate.

**CLUB REPEATERS:** Located in the Sierra at 2500 feet, the club repeater covers the southern Sacramento and Northern San Joaquin Valleys. The call sign is W6SF, and can be heard on **147.165+Mhz** with a PL tone of 107.2 Hz. From the same site, the club also operates a 440MHZ repeater at **442.250 +** with a PL of 107.2 Hz.

The club also operates a UHF repeater located in downtown Stockton **444.575MHz +** with a PL 107.2Hz. Coverage includes the Stockton area as well as parts of Lodi, Manteca, Tracy and Ripon.

**CLUB SIMPLEX FX: 147.51 MHz.**

**CLUB WEBSITE:** <http://www.w6sf.org>

### 2020 CLUB OFFICERS & LEADERSHIP:

President:	<b>N6TCE</b> , Bob Officer	<a href="mailto:n6tce@arrl.net">n6tce@arrl.net</a>
Vice President:	<b>W6SXA</b> , Mark Cloud	<a href="mailto:w6sxa@arrl.net">w6sxa@arrl.net</a>
Treasurer:	<b>K6PH</b> , Peter Hine	<a href="mailto:selkied@earthlink.net">selkied@earthlink.net</a>
Secretary:	<b>N6ACL</b> , Annie Lewis-Dopkus	<a href="mailto:annettel@westwayfeed.com">annettel@westwayfeed.com</a>
Member At Large:	<b>NZ6Q</b> , John Litz	<a href="mailto:john@litz.com">john@litz.com</a>
Call Sign Trustee:	<b>WB6NVB</b> , Charlie Johnson	<a href="mailto:wb6nvb@arrl.net">wb6nvb@arrl.net</a>
Repeater Trustee:	<b>NC6R</b> , Steve Allred	<a href="mailto:nc6r@arrl.net">nc6r@arrl.net</a>
Membership Chairman	<b>N6ACL</b> , Annie Lewis-Dopkus	<a href="mailto:annettel@westwayfeed.com">annettel@westwayfeed.com</a>
Event Chairman	<b>OPEN</b>	
<b>Field Day Coordinator</b>	<b>OPEN</b>	
Newsletter Editor	<b>NZ6Q</b> , John Litz	<a href="mailto:nz6q@arrl.net">nz6q@arrl.net</a>

### CLUB DUES:

\$20 SINGLE and \$30 FAMILY

Stockton-Delta Amateur Radio Club, P.O. BOX 690271, STOCKTON, CA 95269-0271

**We thank you for your continued support!**