

Stockton-Delta Amateur Radio Club



AN ARRL AFFILIATED CLUB

WWW.W6SF.ORG

June & July 2017

Welcome to the Stockton-Delta Amateur Radio Club Newsletter

I'm thankful for radio - specifically ham radio. Which is heavily regulated by the FCC... Why does the government choose to regulate free speech and ham radio when anyone can operate oh I don't know, a hemp outlet... Tim Allen KK6OTD on Last Man Standing



**JULY MEETING
ANNOUNCEMENT
THURSDAY, JULY 13TH 6:30 PM
LINCOLN VILLAGE BEACH CLUB
BEACH, BAR-B-QUE & FOX
HUNT**

QST QST QST ALL Members and Guests are encouraged to attend the April meeting on Thursday May 11th at 7:30 PM

The meeting will be held at the Lincoln Village West Beach Club on the corner of W Benjamin Holt & Cumberland Dr. Members are invited to arrive as early as 5:30 PM and enjoy the pool before BBQ will be served. Guest use fee is \$2.00 per person.

After dinner there will a short business meeting followed by a transmitter hunt and Radio Direction Finding Training by Mike K6MDS. Bring a dish to share pot luck, your 2-meter HT and directional antennas or even just a plastic coffee can and aluminum foil.

A 50/50 raffle will be held at the end of the meeting with tickets for \$1.00. Winners will have several items from which to choose.

Members needing transportation assistance to or from the meeting should contact Paul **N6KZW** or John **NZ6Q** or a club officer. We will arrange assistance for you.



PRESIDENT'S MESSAGE - EVERY SINGLE MINUTE – NZ6Q

First my apologies that we did not get out a newsletter before the June meeting. Work related deadlines, some personal issues along with the crunch of getting on the air for Museum Ships Weekend just conspired against getting out a newsletter.

My thanks to Paul **N6KZW** who stepped up and led the June meeting also. It's great to have a group of officers who are working together in growing the club and growing the hobby.

Every single minute as ham radio operators we should be busy, communicating and encouraging our local technician class licensees, helping new hams upgrade, building an antenna, radio or accessory, learning more about digital modes, satellites, chasing DX, contesting. The list is almost bigger than the hobby itself.

But what a hobby it is! Amateur Radio is the only hobby that is worldwide in scope, defined and regulated by international law.

Every single minute around the world there is a band open and a distant DX contact is being made. There is Amateur Radio aboard the International Space Station. At Field Day, I got on 40-Meter CW and discovered just how much CW is alive and well - making over 50 QSOs in the space of just a couple of hours. Amateur Radio is so simple that 7 year old Matthew told me he couldn't understand Morse Code just yet, but if I helped him he could learn. If someone helped you – could you learn Morse Code? Properly adjusting an antenna? Building an amplifier or even a 1 watt radio?

Every single minute there is a local repeater on the air just waiting for someone to use it. Travelling this week to Philadelphia gave me the opportunity to check into a local net, see what repeaters I could hit from my hotel room, and even “bump” into a ham who recognized my Field Day T-Shirt.

Every single minute hams are preparing for emergencies, taking the smallest of radios up to the highest of mountains and making contacts thousands of miles away with less power than it takes to light a flashlight. Now there is talk of a new UHF and microwave contest (see QST) to explore the edge of that frontier. What frontiers are we exploring? Are we good Elmers to our newcomers? Do we stick with them or help them one time and then go back to our comfortable room – not even the ham shack... Are we investing in our hobby long term – not just with our checkbook, but with our mind and motivation? From Marconi's first successful demonstration of the wireless telegraph across a room, five years would pass before his now famous trans-Atlantic contact. The first attempt failed when a windstorm took down their antenna. Do we persevere the first time the band “seems” dead, or nobody seems to be on a repeater? I marveled at the number of QSOs Ron **K6GKJ** logged on 2M FM simplex at Field Day – at times rivalling my own rate on 20Meters.

Let's live every single minute we can, enjoy the hobby as much as we can, serve the public as much as we can, embraced the newcomers – our next generation of ham radio operators – as much as we can.

73...

John, NZ6Q



MONDAY NIGHT NET CONTROL OPERATOR'S SCHEDULE JULY - AUGUST 2017

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....

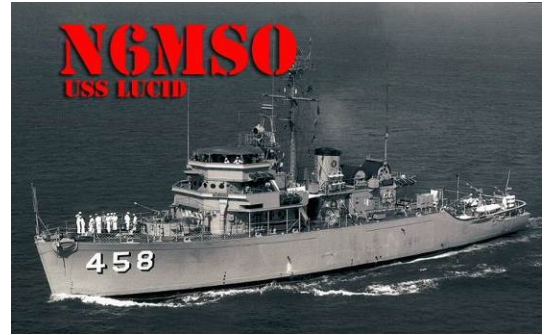
<http://www.w6sf.org/netcontrolscript.html>

If you have a conflict, please contact Dave **N6LHL** as soon as possible in order to secure a replacement.

July 3	Dave N6LHL	July 10	Guy W6MSU
July 17	Mike K6AAN	July 24	Paul N6KZW
July 31	Bob N6TCE		
August 7	Scott K6SCT	August 14	John NZ6Q
August 21	Charlie WB6NVB	August 28	Eric W6INP
September 4	Dave N6LHL		

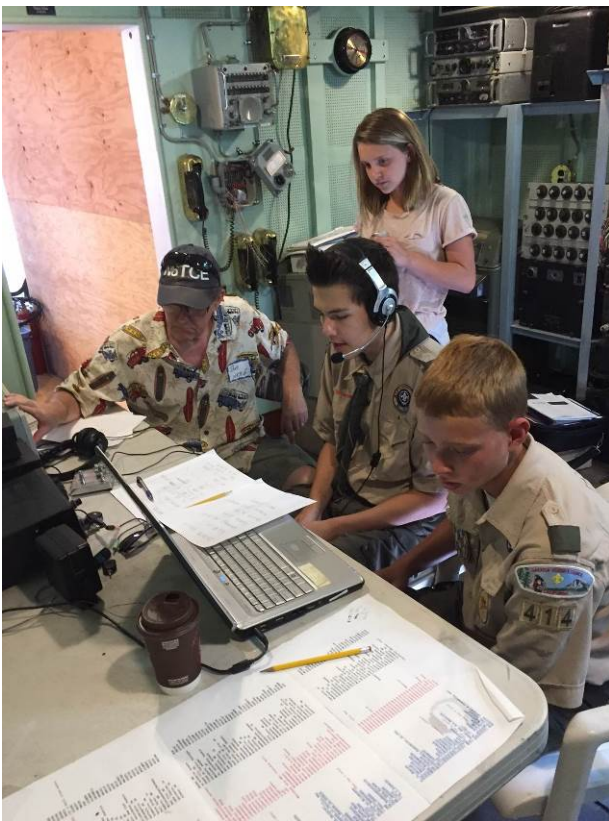


BOY SCOUT TRAINING IN AMATEUR RADIO – MUSEUM SHIPS WEEKEND JUNE 2 – 3 – 4



This year's Museum Ships Weekend became a training ground for boy scouts and to learn amateur radio.

Thanks to Bob **N6TCE**, Jesus **KM6HEB** and Paul **N6KZW** who worked together to get the boy scouts on the air during MSW. Several scouts came over during MSW to get on the air, make contacts and complete their radio Merit Badge. Many expressed a huge interest in getting their Tech licenses right away! Thanks also to Bob **K6XN** and Ted **K6YN** who took time from museum ship hunting to work boy scouts when they were on the air from the USS Lucid.



We started setting up MSW on Friday with several hams volunteering to put up antennas and set up stations. This year we used the 3 element yagi, Gap Titan vertical, and end-fed zepp antennas. Even with some challenging set-up issues, we managed to be on the air and operating 2 stations by 4PM Friday – a full hour before the event started. Weak propagation at times and noisy band conditions did not curb the enthusiasm of our operators and guests. The ship stayed busy mostly on 40M and 20M but we did get in some good operating on 80M at night and on 15M, 30M and 17M. Our Section Manager Dan, AE6SX joined us again this year from Fresno for the entire weekend. John NZ6Q stayed on the boat from Friday morning through Sunday afternoon and scored us some early morning and late night QSO points.

Dinner Saturday night was very well attended with the hot weather cooperating just enough for those wanting to eat on the rear deck to enjoy it, and those wanting to eat in the galley to enjoy it as well. Over 35 attended the dinner which was again catered by Chucks, who served chicken, tri-tip, and an amazing dessert.



Sierrah **KM6IJT** and Brent **KM6IKB** got on the air on 20Meters for the first time. Brent's daughter Brianna also got on the air and created a nice run of stations Saturday afternoon.



Duztyynn **KM6HDY** was a huge help in setting up and taking down as well as getting on the air. Sadly, Duztyynn had a very nice digital scanner that suddenly jumped into the Deep Water Channel while we were setting up the Gap vertical on the stern of the boat. A painful loss for any ham.

MSW operating equipment this year used Paul **N6KZW** and John **NZ6Q**'s IC-7300 by Icom. These are great radios for home and field use with their easy to use touch screens and great interference rejection. This year we enhanced the operation by adding coax filters for 40M and 20M which significantly reduced interference between the two operating positions. The

reduction in noise was especially noticeable when operating 40M CW and 20M SSB. In the past, the CW operation would cause significant difficulty in copying the 20M voice signal. None of that issue occurred this year even with the stations operating at about 300 to 400 watts output.

Sunday morning saw better operating conditions and slightly cooler temps for the take down. We had everything logged, wrapped up and our Section Manager on his way back to Fresno by 3PM.





FIELD DAY WEEKEND JUNE 24 – 25, 2017

Field Day is ham radio's open house. Every June, more than 40,000 hams throughout North America set up temporary transmitting stations in public places to demonstrate ham radio's science, skill and service to our communities and our nation. It combines public service, emergency preparedness, community outreach, and technical skills all in a single event. Field Day has been an annual event since 1933, and remains one of the most popular events in ham radio.



The club members voted this year to join the Lodi Club Field and I'd have to say the joint venture was as much successful as it was fun. Club members also put W6SF on the air at the club operating site on DeVries Rd.

As of publication I have not heard final scores on that effort.

Here are pictures club members sent to the newsletter from their Field Day activities and Jim Sieferling, WB6BET's Field Day Report.

We had a great Field Day this year, in spite of the predicted marginal HF propagation. The final attendance count was 43. Thank you to all that participated in any aspect of our field day operation. Craig and Matthew Thompson were great hosts for field day. Thank you Jason for manning the "DeLorean", grilling the sausages, and Emilia for arranging all food.

We had 17 operators in the log data file. Congratulations to John Litz on being top dog, with 90 contacts. Mike Zane followed closely with 78 contacts. (editor's note: CW CW CW – an empty station and wide open 40M CW band made the difference)



Our other operators were (in order of contacts made);

Annette Lewis	Ron Simpson
Roger Gearhart	Emilia Seiferling
Paul Engelman	Bob Officer
Jim Seiferling	Anne Gearhart
Andy Herrera	Dennis LeClert
Dennis Moore	Bob La Rocca
Jason Pritchard	Barry Marson

Matthew Thompson, youth contact.



Here are the band totals:

Top bands were 40 and 20 meters, as we expected them to be from the NOAA solar weather forecasts.

40m was also our only CW band. Next year when the 40m CW guys slow down, they need to move to 20m and the 20m phone operators need to move to 40m phone. We lost a bunch of contacts by not doing this. Each mode would have been “fresh meat” on the switched band/mode. We probably could have picked up another 150 contacts or so and maybe surpassing our 2014 record of 488 contacts.

Band	Contacts
80	20
40	142
20	94
15	17
10	1
6	2
2	18
Total	294

Bonus points were gained from receiving the ARRL field day message by Jim, WB6BET. Our site was visited by John Austin from San Joaquin OES. Matthew Thompson made one contact for our youth bonus points. It was to the famous Maryland station, W3AO, operating 16A. We'll get a 100 point bonus from having the VE session on site. Congratulations to Dan Higgins (KM6JAN) for upgrading to Extra, Larry Seiler (KD6GMD) for upgrade to General, and Craig Thompson for passing his Tech test (now KM6LIA).



I had 6 & 10 meters running on battery power. Last year we worked 6 stations on 6 meters, which gave us the required 5 contacts to get the 100 bonus points for “natural power”. This year it didn’t work out. Next year we need to run the 2m station on battery power, because Ron made 18 contacts on 2m this year, thus we would have gained another 100 bonus points. We can still run 6 & 10 on battery, if we have a spare battery, thus increasing our chances of making the required 5 contacts on a single band.



We made contacts in 62 out of the 71 ARRL sections, which is pretty darn good, and we worked 44 out of the 50 states. The states we missed were; AK, CT, ME, RI, SC, & TN.

By my calculations our final score is 1,926, with 294 QSO's and 43 participants.

Last year it was 1,338, with 177 QSO's and 32 participants.

Our all-time high score was 2,398 with 488 QSO's and 25 participants, in 2014 (sunspot peak year)

73, from your “log slogger”

Jim Seiferling

WB6BET

Secretary, Lodi Amateur Radio Club





Paul **N6KZW** has found a very simple on-line calculator for determining the estimated loss of different cables and transmission lines. The calculator will only return data for Frequencies below the *Cutoff Frequency*, or *fco* of the cable. A caution is displayed when data is being presented above the highest frequency verified during production testing of the cable.

The Power Handling calculation is based on operation under controlled conditions: 25°C, sea level, still air (natural convection) environment. Power handling may be limited by connector choice. If your application will operate at high power levels, contact a Times Application Engineering Representative for additional information.

You can check it out at <http://www.timesmicrowave.com/calculator/>



ICOM is sponsoring a weekly drawing with top prizes including a trip to Japan and tour of ICOM. Click on the picture above or [here](http://www.icomamerica.com/en/amateur/h2ja/default.aspx) to enter. <http://www.icomamerica.com/en/amateur/h2ja/default.aspx>

Amateur Radio Poised to Retain Full 76-81 GHz Band, Sharing with Vehicular Radars

In a draft *Report and Order* (ET Docket No. 15-26) to be considered at its July 13 open meeting, the FCC has proposed lifting a nearly 2-decade-old suspension of Amateur Radio access to 76-77 GHz, giving the Amateur and Amateur-Satellite services access to the full 76-81 GHz band on a secondary basis. The FCC also reduced Amateur Radio's status from primary to secondary in the 77-77.5 GHz segment, to match the rest of the 76-81 GHz band, and it imposed a uniform power-level limit for users of the band. The draft *Report and Order* (R&O) concluded that Amateur Radio and vehicular radars will be able to successfully share the millimeter-wave band with minor adjustments in the Amateur Service rules. A goal of the proceeding has been to expand and consolidate the spectrum available worldwide for 76-81 GHz radar operations. It would bring the US *Table of Allocations* into line with decisions at the 2015 World

Radiocommunication Conference (WRC-15) and make the entire band available internationally for vehicular radars operating in the Radiolocation Service (RLS).

"The rule changes we adopt modifying the regulatory status of amateur stations and capping their power levels will ensure the continued operation of amateur stations in this band, and are a reasonable alternative to expanding the suspension of amateur operations from the 76-77 GHz band to the remainder of the 76-81 GHz band or removing the amateur allocations altogether from the 76-81 GHz band," the draft *R&O* said. "In addition, these changes, coupled with the nature of amateur operations in the band...will ensure that the potential for harmful interference from amateur operations to vehicular radar operations in the 76-81 GHz band is negligible and satisfy our efforts to ensure protection for the important safety functions that vehicular radars will provide."

The FCC *R&O* would impose a 55 dBm peak effective isotropic radiated power (EIRP) limit (316 W EIRP) on Amateur Radio operations in the band. This is the same as that allowed to vehicular radars. The *R&O* reasons that the risk for potential interference between Amateur Radio operation and RLS operations "is mitigated by the directionality of vehicular radars' antennas -- downward in orientation and mounted on a low position on the vehicles." The *R&O* also cited the periodic and transient nature of amateur operations in the band coupled with high path losses in a band that is conducive to frequency re-use.

In reaching its tentative conclusions relative to the amateur allocation in the 2015 proceeding, the FCC considered the comments of several individual radio amateurs as well as ARRL, Bosch, Delphi, the Automotive Safety Council, the Consumer Technology Association (CTA), and automakers and their representatives, among others. Several automotive manufacturers had asked that Amateur Radio be ousted from the band.

(re-printed from the ARRL newsletter – ed)



The Original 9th Annual "13" Colonies Special Event

GB13COL Independence Week 2017 WM3PEN
NY - K2A

VA - K2B DE - K2E MA - K2H NH - K2K
RJ - K2C MD - K2F NJ - K2I SC - K2L
CT - K2D GA - K2G NC - K2J PA - K2M

13 Colonies is an annual Special Event held during the 4th Of July Week. Those who participate try to make contact(s) with all 13 Colony Stations, and the 2 Bonus Stations. You do not need to make contact with all 13 to get the certificate. Getting all 13 is known as a Clean Sweep. You do not need the 2 bonus stations for a clean sweep. Click on the link [here](#) for information on the event, each State (Colony) , and the Bonus Stations. Contacting the 2 bonus stations will get you an extra endorsement for each of the 2.

Good Luck and see you in the pile up's!

This is a fun operating event surrounding Independence Week and a great opportunity to get on HF and practice chasing "DX" and working a pile-up

The 13 Colonies will have TWO Bonus Stations:

WM3PEN will participate from Philadelphia, PA, where independence was declared. The 13 Colonies certificate will have a Liberty Bell added for a contact with WM3PEN.

2nd Bonus Station, GB13COL will operate from Durham, England. For a Contact with " **GB13COL** " , The 13 Colonies certificate will have an endorsement of the "British Standard".

To Post your item in the newsletter and on the website, please email the editor by the 20th of the month with a picture of the item(s), brief description of your item, asking price and contact information. The Stockton-Delta Amateur Radio club makes no warrantee on items posted for sale or trade in the newsletter or website. The editor reserves the exclusive right to post or not post an item and all items must be CLEARLY related to amateur radio.



A HAM'S CALENDAR

July 1 - 7, 2017 – 13 Colonies Special Event Week - (July 1, 2017-1300 UTC to July 7, 2017-0400 UTC) See the 13 colonies event website at <http://www.13colonies.net> for more details

July 8 -9, 2017 – IARU HF World Championships – **See Rules at:** <http://www.arrl.org/iaru-hf-championship>

July 13th, 2017 – Stockton-Delta ARC Club Meeting – **Special Time and Place.** We are meeting at the Lincoln Village West Beach Club, Benjamin Holt Dr at Cumberland Pl starting at **6:30** with Bar-B-Que Dinner / Pot Luck – Then meeting and Radio Direction Finding training by Mike K6MDS. Come as early as 5:30PM and enjoy the pool.

July 15 -16, 2017 – North American QSO Party – RTTY, 1800Z to 0559Z – **See Rules at:** <http://www.ncjweb.com/NAQP-Rules.pdf>

July 29 -30, 2017 – RSGB Islands on the Air Contest, 1200Z to 1200Z – **See Rules at:** <http://www.rsgbcc.org/hf/rules/2017/riota.shtml>

Aug 5 - 6, 2017 – North American QSO Party - CW, 1800Z to 0559Z – **See Rules at:** <http://www.ncjweb.com/NAQP-Rules.pdf>

August 10, 2017 – Stockton-Delta ARC Club Meeting – Bear Creek Community Church, 11171 Lower Sacramento Rd, Stockton. Meeting Starts at 7:30 PM – Program TBD – A prize raffle will follow the regular meeting.

August 12, 2017 – Stockton Ham Cram – 0800 – Ham Cram will be held at Fire Station #2, 110 W Sonora St, Stockton at the Division of Training Classroom. Register for new tests or upgrades here: <http://www.w6sf.org/hamcram.html>

August 21, 2017 – Solar Eclipse QSO Party – 1400Z – 2200Z – Get in on a VERY SPECIAL EVENT – QSO Party on the day of the Solar Eclipse. See Rules at: <http://hamsci.org/seqp>

State QSO Parties in August:

State/Province	Start Date ▼	End Date	Sponsor Website	Notes
Maryland-DC	08/12/2017	08/13/2017	Anne Arundel Radio Club	
Hawaii	08/26/2017	08/28/2017	Hawaii QSO Party	
Kansas	08/26/2017	08/27/2017	Kansas QSO Party	
Ohio	08/26/2017	08/27/2017	Ohio QSO Party	
Colorado	09/02/2017	09/03/2017	Pikes Peak Radio Amateur Association	



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.

Do you have any topic for discussion that YOU could and would contribute to the club?

We want to hear from YOU! To submit articles for the monthly newsletter, email the editor at john@litz.com

W6SF CLUB INFORMATION

MEETINGS: Regular meetings are held on the second Thursday of each month **at the Bear Creek Community Church, 11171 Lower Sacramento Road, just north of Eight Mile Road.** Members, guests, and people having an interest in Amateur Radio are invited to attend. The next meeting is scheduled for **Thursday July 13th, 2017 STARTING AT 6:30 PM at Lincoln Village West Beach Club, at the corner of Benjamin Holt Dr at Cumberland Pl in Stockton.** Members and guests are welcome.

PLEASE NOTE TIME AND VENUE CHANGE

WEEKLY NETS: Held each Monday evening at 2000hrs on **147.165+ PL 107.2 Hz and 442.250 + PL 107.2** Members and visitors are invited to check in. There is also an unofficial get together on Thursday evenings (except meeting night) at 7:30pm **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>

2017 CLUB OFFICERS & LEADERSHIP:

President:	NZ6Q , John Litz	john@litz.com
Vice President:	N6KZW , Paul Engelman	n6kzw@sbcglobal.net
Treasurer:	KC6RRR , Paul Croci	kc6rrr@yahoo.com
Secretary:	W6INP , Eric Chapa	perrla1@aol.com
Member At Large:	N6TCE , Bob Officer	n6tce@arrl.net
Call Sign Trustee:	WB6NVB , Charlie Johnson	wb6nvb@arrl.net
Repeater Trustee:	K6SCA , Steve Allred	k6sca@arrl.net
Membership Chairman	N6ACL , Annie Lewis-Dopkus	annettel@westwayfeed.com
Event Chairman	N6XMA , Ed Stevens	n6xma@comcast.net
Newsletter Editor	NZ6Q , John Litz	john@litz.com

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!