



# ***W6TRW*** **CROSSTALK**

**Monthly news bulletin of the W6TRW Amateur Radio Club**  
**MARCH 2023**

*FIELD DAY 2022*



## **What's Inside**

- General Club Meeting
- News & Announcements
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# Monthly General Club Meeting

**When: Tuesday, March 14th at 6:30 PM**

**Where: Virtual Meeting on Zoom**

**Due to continued COVID-19 public health guidelines, W6TRW Club Meetings will not yet be held in person. Instead, we are holding Virtual Meetings on Zoom.**

**Click on the link below on your computer, tablet, or smartphone.  
Same meeting link, 2<sup>nd</sup> Tuesday of every month, 6:30 PM Pacific Time.**

<https://us02web.zoom.us/j/82794654895>

**Phone dial-in: 1 669 900 6833, Meeting ID: 827 9465 4895**

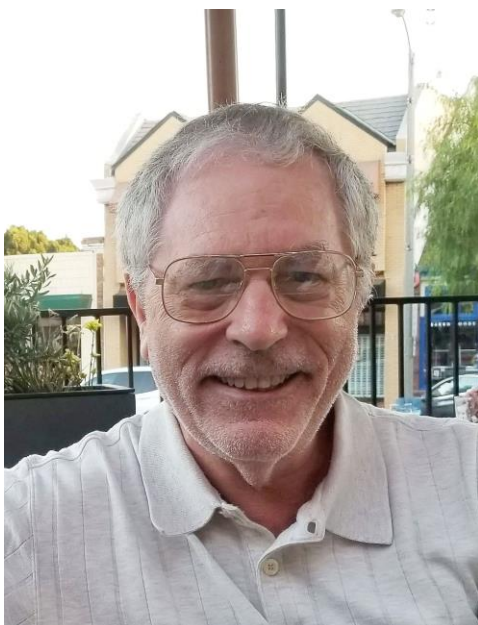
## Speaker Topic for This Month:

**“Diplexers, Triplexers & The Low Profile Mobile”**

**Allen Wolff, KC7O**

**A presentation about hiding radio equipment yet having the ability to transmit using two antennas on 2, 220, 440 along with simultaneously APRS operation. The use of Diplexers and Triplexers make this possible.**

**Also, installation techniques with safety and functionality considerations.**



**Allen Wolff, KC7O**, has held an Amateur license for 59 years (in NY, NJ, IN, UT and CA), is an ARRL Life Member, and earned his First Class FCC Radio Telephone License (now General Radio Telephone) in 1974. He is an ARRL Life Member and has had his Extra Class License since 1980.

Allen holds a Bachelor of Science degree in Electrical Engineering, RF Communications from Drexel University, Philadelphia PA and is retired from a career mostly in aerospace manufacturing.

In 1999 he was awarded the ARRL Herb Brier Instructor of the Year award, for 17 years of teaching Novice and Technician classes accounting for at least 450 new Ham Radio licenses.

# W6TRW Club Members SHOW 'N TELL

Please **REPLY** if interested!

## W6TRW Club Members SHOW 'N TELL / DIY / Maker / Activity Talks

At past and recent club meetings, we've had members of our club describe and/or demonstrate projects they have created or been involved in. We'd like to continue that tradition! We're all excited to hear what you've been doing. All you need to do is put together a few slides!

If you've been building something interesting, or engaged in recent ham radio adventures or volunteering, please send a reply to [newsletter@w6trw.com](mailto:newsletter@w6trw.com), and we'll get you on the agenda in 2023!

## W6TRW Discord Channel



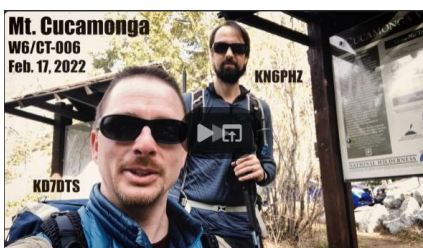
Did you know W6TRW has an active online discussion of ham radio adventures, build projects, and event planning? This is an excellent way to keep up with hot topics in the club. If you haven't already, please join your fellow club members on Discord. You can sign up here: <https://discord.gg/9JMY9SydV3>

### *Recent posts on the W6TRW Discord:*

[W6TRW Member Mike WB6DJI CW QRP to KE0OG in Colorado](#)



[W6TRW Members Mark KD7DTS and Devin KN6PHZ activating SOTA peak Mt Cucamonga](#)



[WB6DJI with one of his 10 GHz microwave rigs](#)



# News and Announcements

## Field Day 2023

**We're planning for Field Day 2023.** We'll be at Friendship Park again, *and this year we may do something different* – QRP (5 watt transmitter power maximum, battery/solar power only). W6TRW Field Day 2022 was a dry run for QRP, using only portable antennas, no crank-up towers. Solar cycle is excellent this year, so QRP will be exciting! Please reply with your Field Day comments and ideas, and if you want to be on our 2023 W6TRW FD mailing list.

*Pictures from W6TRW Field Day 2022 at Friendship Park in San Pedro [photos by Carol & Paul]*



# News and Announcements



Still  
\$5!!

## Membership

The W6TRW 2023 Membership Form is on our [Membership](#) page. Be sure to renew for the 2023 club year! **Our annual participation fee for the W6TRW club is still \$5, as it always has been! You can now send the participation fee ELECTRONICALLY to Dylan N6MX – see the note in the new 2023 W6TRW Membership Form! And you can scan your signed ink signature pages and send to Dylan’s email address on the form. We’re going electronic!**

**Our durable, high-tech magnetic club badges are now \$30, the real cost of making them.** The badge, with your call sign, name & W6TRW logo, will last for many years!

Each year, when you renew or join the W6TRW Amateur Radio Club, we will send out a physical membership card via regular mail, as confirmation that you are a member for the year.

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## W6TRW Swap Meet

Our club puts on the largest monthly amateur radio swap meet in the Los Angeles area. The W6TRW Swap Meet has been held monthly for almost 40 years. The W6TRW Swap Meet is well known throughout the western US and even the world! It is always held the last Saturday of every month, rain or shine, holiday or not, from 7:00 AM until 11:30 AM, in the R2 parking lot near the southeast corner of Aviation Blvd. and Marine Ave. where the cities of Redondo Beach, Manhattan Beach, and Hawthorne meet. Talk-in on 145.320 -600 PL 114.8.

If you wish to sell at the swap meet, please visit our swap meet sellers’ webpage for all the necessary information.

Our Swap Meet Manager, Wendell KE6ASC, is always on the lookout for volunteers to help at the Swap Meet. If you'd like to get up early and help the club put on this important traditional activity, email Wendell at [w6trwswapmeet@gmail.com](mailto:w6trwswapmeet@gmail.com) to get more information.

The next swap meet will be the last Saturday of the month, from 7:00 am to 11:30 AM. See you there!

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## W6TRW Awards 2023

Hi, all – this is a question to our energetic members who routinely volunteer so much of their time and energy to the betterment of the club every year! What would be the best award and/or recognition the club can do for you? We used to give framed certificates at the Annual Awards Banquet each November, and then around 2017, we transitioned to “virtual” digital JPEG/PDF certificates, though we haven’t been diligent about getting them out to the award winners. If practical, we could provide different award types, that individuals would prefer, in addition to the announcement of recognition, of course, at the Banquet. Please send your ideas to [newsletter@w6trw.com](mailto:newsletter@w6trw.com), thanks!

# News and Announcements

## W6TRW Repeaters Now Playing Newsline & ARRL News

We're putting a regularly scheduled rebroadcast of [Amateur Radio Newsline](#) ham radio news and the [ARRL weekly news](#) on the W6TRW repeaters on Wednesdays and Sundays at 9:00pm Pacific time! Newsline is a free service that produces a weekly report of important goings-on in the ham radio community and is a great way to stay in the loop on current ham radio topics.

Take a listen and let us know what you think!

-- Shackmaster, Dylon N6MX

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## [AMSAT - Amateur Radio in Space](#)

The number of active amateur radio satellites keeps increasing. Here is the current satellite status, making it easy to find satellites you may be able to hear: <https://www.amsat.org/status/>. For many satellites, the telemetry downlink or Morse code beacon is easy to receive with a simple dual-band VHF-UHF magmount antenna.

If you have a VHF/UHF SDR (software defined radio) connected to your computer, you can see the Doppler shift of the signal as the satellite passes over.

To find out when a satellite will fly over your location, go to <https://www.amsat.org/track/index.php>. Just put in your grid square or approximate latitude-longitude. One of the most reliable and easy downlinks is the ISS (International Space Station) on 145.800 MHz.

The next step is transmitting – making amateur contacts through the satellites. AMSAT satellites for amateur communications: <https://www.amsat.org/two-way-satellites/>.

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## [Amateur Radio Contests - Calendar](#)

There are many amateur radio contests during the year, for the full range of different radio interest areas. Click [here \(WA7BNM's Contest Calendar\)](#) for a listing of all the amateur radio contests.

Just listening to contests is a great way to hear a lot of stations from all over the US and even all over the world – better than just randomly tuning on any given day, hoping to hear something.

The next big, popular contest is the [ARRL June VHF Contest](#), June 10-12, 2023. This one is easy and fun – just find your grid square at [Amateur Radio Ham Radio Maidenhead Grid Square Locator](#) and then key up your VHF/UHF FM radio on the calling frequencies – 146.52 MHz and 446.000 MHz! The calling frequencies 146.52, 146.55, and 146.58 are busy during the contest and you can make many contacts just by answering contest calls.

*As an example, W6TRW Club President Dylon N6MX participated in the June 2022 VHF-UHF contest in the class "Single Operator FM" and easily got 5<sup>th</sup> place in the scoring, just operating for about 5 hours from a local hill.*

# W6TRW Repeaters and Nets

## W6TRW Repeaters

VHF 2 Meters • 145.320 MHz, Offset: -600 kHz, PL: 114.8 Hz; Located in Redondo Beach, CA • All-Star node 505680  
UHF 440 MHz • 447.000 MHz, Offset: -5 MHz, PL: 100.0 Hz; Located in Redondo Beach, CA • All-Star node 505681  
(Our VHF 145.320 MHz and UHF 447.000 MHz repeaters are linked – but may be disconnected for certain nets listed below)  
UHF MotoTRBO DMR • 446.050 MHz, Offset: -5 MHz, Color Code: 2; Located in Redondo Beach, CA

### **Monday K6MBC Manhattan Beach MBCERT Net**

Weekly; Monday nights at 6 PM \*except\* first Monday of the month, on the W6TRW 447.000 MHz repeater

### **Monday Lomita and South Los Angeles DCS Net: Weekly**

Monday nights at 7:30 PM, on the W6TRW 145.320 MHz repeater

### **Wednesday W6TRW Emergency Communications Team (ECT) Net: Weekly**

The ECT net is held weekly Wednesdays starting between 12:00-12:15pm on our 145.320 MHz and 447.000 MHz repeaters. The whole net only takes about 10-15 minutes.

The purpose of the net is to promote club participation and to increase the general awareness of hams to emergency communications resources. The net is open to all W6TRW members as well as any non-member visitors!

Check-ins reply with their name and callsign, general location, and their radio communication capabilities at the time.

During an actual emergency, the W6TRW 145.320 MHz repeater will be dedicated to DCS, and won't be available for open use, but it will be very useful to monitor! The W6TRW 447.000 MHz repeater should be available and open for use during an actual emergency, so please save a memory in your radio for our 447.000MHz repeater!

### **Wednesday Northrop Grumman HF Family Net**

Also at noon Pacific Time on Wednesday is a long-running Northrop Grumman net on 14.270 MHz. Northrop Grumman and TRW employees / retirees are welcome to check in and represent the West Coast!

### **Thursday Space Net**

Our W6TRW 145.320 MHz and 447.000 MHz repeaters host the long-running Space and Information Net every Thursday evening at 7:00 PM. Ronnie N6SHI (Space Hams International) is the net controller, taking check-ins and providing the best of the weekly space news, launches, and visual flyovers. Tune in and check in!!

### **Thursday Outdoors Net**

Weekly; takes place immediately after the Space Net weekly on Thursday nights – via IRLP from Las Vegas net control – IRLP turns on at 7:45 PM every Thursday. Lots of good info for mobile and outdoors activities!

### **Newsline & ARRL Weekly News – Wednesday and Sunday**

9:00 PM & 9:30 PM

News released every Friday



## About Us – W6TRW

The W6TRW Amateur Radio Club is a non-profit organization that started in the early 1960s.

The W6TRW Amateur Radio Club started as the TRW ARC and held the club call sign WB6WPO. The club became an ARRL Affiliated Club in 1971, and the club call sign was changed to W6TRW in 1974. The club was formed at the TRW facilities in Redondo Beach California comprised of employees of the aerospace company.

Our club station is located in Building S and includes 2 Yaesu FT-1000's, Alpha 87a amplifier, and two towers with multiple HF antennas in Redondo Beach, California. We also have all-mode capability on 6m, 2m, 440, and 1.2 GHz. We have ATV, and satellite and packet stations.

W6TRW sponsors open repeaters on 2 meters and 440 MHz that serve the Los Angeles basin. We also have a Motorola MOTOTRBO Digital Repeater in Redondo Beach. IRLP node 7067 is connected to our open 440 repeater and typically is connected to the Western Amateur Linking Association LAX Reflector 9350. Please visit our repeater page for more information!

The Amateur Radio Club (W6TRW) offers a full range of radio related activities, including contest operating events, community public service events, picnics and classes for those wishing to obtain their first license. Stop by the Amateur Radio Swap Meet on the last Saturday of the month in the R2 parking lot from 7:00-11:30am – you'll be surprised by what you will find.