

November 2018



Newsletter of the County of Orange Radio Amateur Civil Emergency Service

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## Captain's Corner

by RACES Captain Ken Bourne, W6HK, Chief Radio Officer

### Contentment

Contentment is finding real satisfaction in what we do with our lives. That includes serving in RACES, if we consider such service as an expression of our love for our fellow humans, especially during emergencies and disasters. It includes being well-trained and constantly seeking knowledge about procedures and the equipment we use. However, most of us forget about love and service when we dream about what would make us content. We think of contentment as being healthy, wealthy, and possessing what we believe is the best amateur radio equipment for RACES communications, winning on-the-air contests and T-hunts, and chasing DX. For some of us, contentment also includes having the most up-to-date test instrumentation for finding and repairing problems with our transceivers, measuring sensitivity and other parameters, and experimenting and discovering.

Such desires are ok, but contentment is elusive. We often think we will be content when all our dreams come true—when we have the expensive transceiver we want, a huge ham shack full of radios and instrumentation, a 100-foot tower with the highest-gain antennas, and a full understanding of everything in the *ARRL Handbook* and other technical books. We think we will be happy if all these things materialize.

When we acquire some of these things, we don't seem to appreciate them, because by then our wish list has changed, and we have new desires that we think could lead toward contentment. Instead of dreaming about what brings contentment, we might have developed a new perspective. Perhaps

it's more than learning to be content or satisfied with our possessions or position in life (such as an important position in our employment or volunteer service or the ARRL DX Honor Roll).

One of our faults as human beings is a desire to show off, by winning DX or VHF contests or T-hunts, by acquiring a vast collection of QSL cards or antique radios, or by demonstrating how much we know about radio-electronics theory. Granted, it takes drive and determination to amass such vast collections and knowledge, and commendation is deserved. Maybe we are proud of ourselves, but are we content with such acquisitions or awards?

Our contentment diminishes when we remember that we are mortal. When we die, we will no longer have our collections, knowledge, and honors. That's depressing, isn't it? But not really! Instead of having a desire to achieve, acquire, and gain honors for serving, we need to accept God's gift of wisdom, and give Him thanks for our lives in which we can love and serve others. Then we will no longer acquire collections and knowledge for ourselves—and being discontent because we never acquire enough—but rather we will be excited about inspiring others with our examples of hard work, making new discoveries in radio-electronics to share with others to increase their knowledge, and to become more proficient as emergency responders in order to serve others out of love, not out of desire to be recognized and commended for our service. Living to love and serve rather than to collect goods and honors for ourselves brings true contentment.

**Next OCRACES Meeting:**  
**Monday,**  
**November 5, 2018,**  
**at 1930 Hours**

**840 N. Eckhoff Street, Suite 104, Orange**

**Guest Speaker:**  
**Alan Hill, W6ARH**  
**Software Defined Radio (SDR) Technology**



## RACES Holds Deployment Drill on October 6th

The City/County RACES & MOU ACS Exercise on Saturday, October 6, 2018, from 0900 to 1100 hours, was a deployment exercise to test alternate means of communications in case of repeater failure or inability to access the OCRACES repeaters on 2 meters and 70 centimeters from deep in the canyons or below cliffs in beach areas or even from some “dead spots” in cities throughout the county.

OCRACES members who participated on 2 meters, 70 centimeters, and 60 meters in the exercise at portable and mobile locations included:

- Lt. Scott Byington, KC6MMF, in Irvine Park (typical OCFA staging location during massive wildland fire incidents).
- Sgt. Bob McFadden, KK6CUS, in Dana Point. (He also had a portable Winlink station that successfully communicated with Loma Ridge.)
- Tony Scalpi, N2VAJ, in Belmont Park high in the Orange hills, with a 2-meter beam antenna for effective relaying of simplex communications.
- Sgt. Jack Barth, AB6VC, and Fran Needham, KJ6UJS, in Carbon Canyon (surprisingly reliable VHF and UHF repeater communications, as well as 60 meters).
- Emergency Communications Manager Lee Kaser, KK6VIV, and Capt. Ken Bourne, W6HK, with Control 7 in Williams Canyon (60-meter coverage to other canyons and to Dana Point was very good, as well as to Loma Ridge and to N6WIX in Ventura, who provided relays).
- Randy Benicky, N6PRL, and Matt Luczko, KM6CAO, in Trabuco Canyon, Riley Park, and Ortega Highway.
- Roger Berchtold, WB6HMW, in Silverado Canyon.
- Sgt. Tom Tracey, KC6FIC (roaming on VHF and UHF only).

OCRACES members/applicants at the Orange County EOC RACES Room included:

- Tom Wright, KJ6SPE, net control on the 146.895 MHz and 448.320 MHz repeaters
- Don Mikami, N6ELD, net control on the 146.595 MHz and 446.000 MHz simplex frequencies
- Ken Tucker, WF6F, net control on Winlink and on the 449.180 MHz repeater
- John Pilger, K6PIO, and Martin La Rocque, N6NTH, on 60 meters (channel 2)
- Sgt. Ernest Fierheller, KG6LXT, monitoring APRS beacons from portable and mobile stations

60 meters (channel 2) proved to be an excellent means of countywide communications during the drill, especially when repeater failure was simulated. Net control at the Orange County EOC, run by OCRACES Applicant John Pilger, K6PIO, and Martin La Rocque, N6NTH, communicated on 60 meters with portable OCRACES stations in Dana Point, Belmont Park (Orange), Irvine Park, Silverado Canyon, Williams Canyon, Carbon Canyon, and Trabuco Canyon. Net control also communicated with portable city RACES stations in Cypress, Brea (Olinda Village), Huntington Beach, Laguna Woods, Newport Beach (Crystal Cove), and Westminster, as well as with American Red Cross. Portable stations in canyons and beach areas were also able to communicate with each other on 60 meters. For example, Ken Bourne, W6HK, running 20 watts with a Hamstick dipole in Williams Canyon, communicated with KK6CUS (Dana Point), KC6MMF (Irvine Park), AB6VC (Carbon Canyon), W6ACS (Loma Ridge), N6IPB (IDEC, Irvine), and N6WIX (Wayne Woodhams, Ventura County ACS, who provided a relay from Ventura between canyons; Wayne also provides relays on Saturday morning OCRACES ACS nets on 60 meters).

Robert Stoffel, KD6DAQ, ran DMR net control from Buena Park on the KA6P Santiago Peak repeater, Local-1 talkgroup. From OCRACES he checked in Ken Bourne, W6HK (Irvine Park), Tony Scalpi, N2VAJ (Belmont Park/Orange), Tom Tracey, KC6FIC (El Modena Stadium/Orange and Portola Hills), and Scott Byington, KC6MMF (Irvine Park). He also checked in Roy Hodak, W6OGR, from Huntington Beach RACES (Bartlett Park).

At the beginning of the drill, Ken Bourne, W6HK, communicated on Zello with Don Poysa, KØVNJ (COAR), Quentin Cassen, W6RI (COAR), Chi Nguyen, KE6MVS (Westminster RAC-



Tom Wright, KJ6SPE, operates on 146.895 MHz and 446.000 MHz repeaters at EOC.



Don Mikami, N6ELD, operates on 146.595 MHz and 446.000 MHz simplex.



John Pilger, K6PIO (left), and Martin La Rocque, N6NTH, operate 60 meters.



Ken Tucker, WF6F, operates on Winlink and on the 449.180 MHz repeater.



Ernest Fierheller, KG6LXT, monitors APRS beacons.

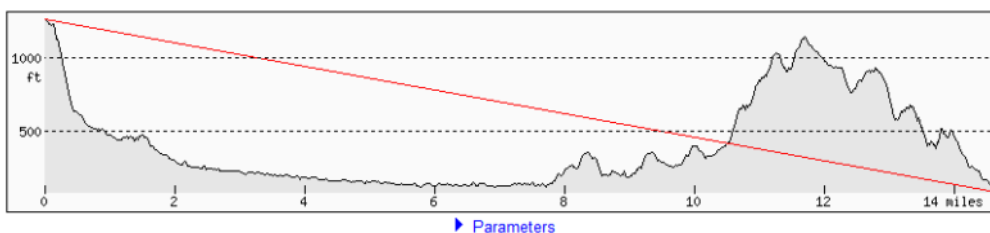


## October 6th Drill *Continued from page 2*

ES), Scott Holcomb, K6WHC (Mission Viejo RACES), Gary Standard, K6GSX (Newport Beach RACES), and Jeff Mikoleit, KK6YUP (COAR).

City RACES units in the drill included Brea, Buena Park, Fountain Valley, Fullerton, Huntington Beach, Laguna Niguel, Laguna Woods, Seal Beach/Los Alamitos, Newport Beach, Placentia, and Westminster. American Red Cross also participated.

Newport Beach RACES members assembled at Crystal Cove State Park in time for the drill, but, at the request of the Park Ranger, had to move to a restaurant parking lot on the other side of Pacific Coast Highway. Fortunately, it was an “RF-quiet” spot and the operation went smoothly. NBRACES Chief Radio Officer Peter Putnam, NI6E, reported that they had no difficulty reaching Loma Ridge on either VHF or UHF or on 60 meters, even though a high peak was in the way (see chart below).



Newport Beach RACES Chief Radio Officer Peter Putnam, NI6E, observed this path profile between the NBRACES operation near Crystal Cove State Park and the OCRACES net control on Loma Ridge. Even though a high peak was in the way, they had no difficulty reaching Loma Ridge on VHF or UHF or on 60 meters.

Laguna Woods RACES Chief Radio Officer Bruce Bonbright, NH7WG, reported that four teams of two radio operators were deployed to three clubhouses and the city’s Radio Room. They used the Laguna Woods Village Radio Club’s repeater on 147.615 MHz for primary check-ins. They also used the primary simplex frequency of 146.580 MHz. All deployed locations, except for Clubhouse 4, were able to communicate on the OCRACES VHF and UHF repeaters. The team used a 60-meter portable dipole on the Clubhouse 1 radio to communicate with OCRACES. The team also was successful in sending a Winlink message from a deployed location using battery power.

The City of Orange COAR members ran a parallel citywide drill to locate areas in the city that have marginal coverage using their repeater and simplex frequencies. COAR’s net control was remotely located at Santiago Hills Park. Five COAR members were assigned specific areas within the city (West Orange, Northwest, Northeast, Southeast, and Southwest). During the drill each mobile operator would acknowledge a call from net control by giving their call sign, location, and signal strength. If the mobile or the net control operator did not acknowledge the call, another mobile operator would relay the information. Each mobile operator would relocate (three times) within their assigned area; this provided COAR with excellent information on where they had limited coverage. During the OC drill roll call, net control checked into 146.895 MHz, 448.320 MHz, 449.180 MHz, 146.595 MHz, and 446.000 MHz and members checked in through Zello.



COAR (City of Orange RACES) members Jeff Mikoleit, KK6YUP (left), and Robbie Robinson, KB6CJZ, operate this portable station.



OCRACES Assistant Radio Officer Bob McFadden, KK6CUS, ran 60 meters, using this pair of MFJ Hamsticks on a mast, at Dana Point. He also ran portable Winlink and checked in on 2-m and 70-cm repeater and simplex frequencies.



Tony Scalpi, N2VAJ, set up this portable station at Belmont Park high in the hills of Orange. Using a yagi antenna, he successfully relayed simplex stations around the county to net control at Loma Ridge. Tony also operated 60 meters, using a homebrew vertical antenna.

Seal Beach RACES Assistant Radio Officer Alan Ginsburg, WA6TOI, reported that eight Seal Beach/Los Alamitos RACES members were deployed with 2-m/70-cm portable and mobile capabilities throughout the cities. Most were able to clearly copy OCRACES on the 448.320 MHz and 146.895 MHz repeaters. The 449.180 MHz repeater was also copied, but weaker. The OCRACES 146.595 MHz simplex station was not heard at the pier but was copied inland. The OCRACES 446.000 MHz simplex station was copied at Fire Station 48, but not at the PD. The Winlink team exchanged e-mails through the Loma Ridge and Olinda RMS sites, but not through San Clemente.

## SDR at November 5th OCRACES Meeting

Fountain Valley RACES Chief Radio Officer Alan Hill, W6ARH, will be our guest speaker at the next County of Orange RACES meeting on Monday, November 5, 2018, at 7:30 PM, at 840 N. Eckhoff Street, Suite 104, in Orange. Alan will talk about the advent of software-defined radio (SDR) technology and its evolution to date. Alan has been deeply involved with the development and sale of SDR radios, which he sold to hams all over the world.

## Severe Fire Weather Patrols Become Active

At the OCRACES meeting on September 10, 2018, Senior Emergency Management Program Coordinator Kevin McArthur, KK6JSG, OCSO Emergency Management Division, conducted our annual training on Severe Fire Weather Patrol—just in time for our first two activations of the season in October. Kevin covered the following steps on reporting a fire to emergency services:

### **When reporting a fire to emergency personnel: dial 911 first**

- Identify yourself
- Stay calm and follow the dispatcher's instructions

### **Be prepared to report:**

- Location and access point (Thomas Guide #, cross streets, landmarks)
- Fire size (such as football field = 1 acre)
- Fuel type (grass, brush, woodland, structures)
- Rate of speed (slow, fast, wind-driven)
- Topography (up hill/slope, on a ridge, in canyon)
- Number and types of structures being threatened
- Special hazards (power lines, vehicles involved)

An OCRACES Severe Fire Weather Patrol was activated on Monday, October 15, 2018, in response to a National Weather Service Red Flag Warning and high winds. At about 1100 hours, Chief Radio Officer Ken Bourne, W6HK, proceeded toward the Orange County EOC on Loma Ridge to pick up Randy Benicky, N6PRL, for the patrol. On the way, Randy communicated with Ken that another situation prevented him from going to the EOC. Ken then sent an activation page to all members. Radio Officer Scott Byington, KC6MMF, responded on the OCRACES 2-meter repeater and said he was available. Ken picked him up and proceeded to the EOC, where the wind appeared to exceed 100 mph. At the beginning of the almost 5-hour patrol, Ken and Scott communicated with OCSO Emergency Communications Manager Lee Kaser, KK6VIV, and later with Ken Tucker, WF6F, who took over net control duties.

Ken and Scott patrolled along Santiago Canyon Road and side canyon areas including Silverado Canyon Road, Black Star Canyon Road, Williams Canyon Road, Modjeska Canyon Road and Modjeska Grade Road, Live Oak Canyon Road, Trabuco Canyon Road, and Trabuco Creek Road. At the end of Black Star Canyon Road, while conversing with an Irvine Ranch Fire Watch person, a car with five strange looking people pulled up with a regular plate on the front and a paper plate on the rear of their Nissan. One of them was smoking and was informed of the danger of doing that. She cooperated and put out her cigarette. They then proceeded on foot through the locked gate. Later two more people pulled up and walked past the gate. They told the Fire Watch person that they were going to join their five friends, but agreed to bring them back out because of the fire danger. None of them ever came out. Scott and Ken called in the incident through the net control operator Ken Tucker, WF6F, especially because of the fire danger and because of the suspicious vehicle that could have been stolen. A Park Ranger rolled up and opened the gate so she could look for the seven people (unsuccessfully). Two OCSO deputies soon rolled up and ran the front plate and checked out the car. They determined the car was not stolen, but could not locate the seven people. They thanked OCRACES for alerting them of the situation.

In response to another NWS Red Flag Warning, another OCRACES Severe Fire Weather Patrol was activated on Friday, October 19th. Assistant Radio Officer Jack Barth, AB6VC, picked up Chief Radio Officer Ken Bourne, W6HK, at 0900 hours and they proceeded toward the EOC. Winds were calm, but because of the Red Flag Warning they decided to continue patrolling for the next three hours. They patrolled the same canyon roads that Ken and Scott had patrolled four days earlier. Since they were in Jack's four-wheel-drive vehicle, they patrolled father along Trabuco Creek Road toward the Holy Jim trailhead, looking carefully for any smoke plumes. The winds remained calm throughout the patrol, and they concluded their activities shortly after noon.

## Next Cooperative T-Hunt: November 19th

Due to holiday and meeting schedules, there was no cooperative T-hunt in October. The next hunt will be on Monday, November 19, 2018, immediately following the OCRACES 2-meter net (approximately 7:20 PM). We are looking for a volunteer to be the fox, and a fox box will be provided. No fees will be required to drive directly to the fox. He will transmit on the input (146.295 MHz) of the 146.895 MHz repeater. Hunters will compare bearings via the 448.320 MHz repeater and are encouraged to beacon their positions via APRS throughout the hunt.

The cooperative T-hunts are usually held on the third Monday of each month (except in October). The hunts provide excellent practice in working together to find sources of interference quickly. The hunts are not official RACES events, so DSW (Disaster Service Worker) coverage does not apply. Please drive carefully!

Fox-hunt loops and beams are available from Arrow Antenna and HRO, including the Arrow Model FHL-VHF fox-hunt loop (covers 1 MHz to 600 MHz) and the Arrow Model 146-3 three-element portable hand-held yagi. The Arrow OFHA 4-MHz offset attenuator can be useful when close to the fox, to prevent receiver overload. For on-foot hunting, the BC-146.565 three-element, hand-held, foldup, yagi antenna is available from Bob Miller Enterprises (<http://www.rdfantennas.com>), along with the VK3YNG MK4 sniffer. An all-mode transceiver is quite useful, allowing hunters to switch to the SSB or CW mode for detecting extremely weak signals, or to switch in a built-in attenuator, reduce RF gain, or tune slightly off frequency when dealing with extremely strong signals. Some hunters use the DF2020T radio direction finder kit, which is a Doppler system available from Global TSCM Group, Inc. (<http://www.kn2c.us>). A very similar system is the MFJ-5005 Doppler direction finder. Useful apps are available for iPhones and Android phones. For some excellent information on T-hunting, see <http://www.homingin.com>.

## Citizen Corps Exercise: January 12, 2019

County and City RACES units have been invited to participate in a Citizen Corps exercise on January 12, 2019, at Saddleback College in Mission Viejo. The exercise will probably include ICS training, tabletop exercise, medical triage, traffic control management, sand bagging, and radio training.

Morning activities for all participants, according to preliminary plans, will be based on the incident management, team building, preparedness, and response skills based on 90-minute sessions. RACES would host an afternoon radio activity lasting approximately 90 minutes and maybe repeating the activity after a short break. As part of the exercise we would increase the awareness of amateur radio, its capabilities, and how to get involved. Setting up portable stations, such as in the October 6th deployment exercise, might be part of the January 12th activity. We would show how RACES serves various agencies and works with CERT, and the technologies we provide, such as Winlink, when there are Internet, cellular, and public-safety communications failures.

## REAL ID Applications Due October 1, 2020

OCSD Reserve Lieutenant Jim Ellis, KI6CUI, reminds us that in order to fly domestic flights (such as to a ham convention) after October 1, 2020, you will either have to identify yourself with your new REAL ID California Driver License or a current U.S. passport. Knowing the current backlog of applicants at the DMV, Jim suggests applying soon. As the due date approaches, the DMV will be inundated with last-minute applications. Jim made an online appointment at the Torrance DMV on October 14, 2018, and the earliest date he could get was Monday, December 17, 2018.

You can make an appointment online at <https://www.dmv.ca.gov/portal/dmv/detail/realid>. If you choose to get a REAL ID license or ID card you must go to a DMV field office and present original or certified documents providing your identity, Social Security number, and residency. Complete the electronic driver license and ID card application online before your office visit. On the above website, see the list of documents to apply for a REAL ID. Identity may be proven with a certified U.S. birth certificate, U.S. passport, permanent residence card, or unexpired foreign passport with valid U.S. visa and approved I-94 form. Social Security number may be proven with a Social Security card or W-2 form with full SSN. (The website has a link to a site that shows how to order a replacement Social Security card.) California residency may be proven with a home utility bill that lists your name and physical address. Then pay the application fee: \$35 for Driver License and \$30 for ID card. The U.S. Department of Homeland Security has additional information on REAL ID at <https://www.dhs.gov/real-id-public-faqs>.



# RACES/MOU News from Around the County

**"RACES/MOU News" provides an opportunity to share information from all City & County RACES/ACS units and MOU organizations and supportive amateur radio clubs in Orange County.**

**Please send your news to NetControl Editor Ken Bourne, W6HK, at: w6hk@ocraces.org**

## Hospital Disaster Support Communications System (HDSCS)

We received the following message from HDSCS Coordinator April Moell, WA6OPS, who has devoted much of her life to serve and teach others how to serve as vital communicators to hospitals in times of communications outages. She has set an amazing example of how radio amateurs should develop their radio operating skills in providing a needed service. We will always value the counseling she has given us and readiness to serve that she and the members of the "Hospital Group" have provided over many years. Here is April's message to us:

Dear RACES leaders/officers:

It is with significant emotional pain and sadness that I must resign as the District Emergency Coordinator for the Orange County Hospital Disaster Support Communications System. Also at this time HDSCS is being disbanded. There is no one at this time with the requisite skills, interest, and, most importantly, the time to take on the role of coordinator.

Over 38 years as many as 36 hospitals would ask HDSCS to be included in their disaster plans and there would be over 120 times our volunteer group would be activated to support hospitals with communications failures. The members who responded in all those instances did so on a voluntary basis and provided their own equipment. There were lots of drills and standby operations along the way too.

But now it's time for me to step down and make a clean break. To keep the group operational at the level I feel is necessary and desirable is becoming unrealistic for me due to medical issues I have been dealing with over the last several years. While HDSCS members have been unusually dedicated and capable, no one at this point has the time, specific experience, or interest to take on the lead role. A succession plan therefore has been unsuccessful and there really is no gradual way to discontinue HDSCS activity.

It has been an honor to lead such an incredible group of dedicated volunteer

amateur radio Operators and to be part of a network of emergency communications groups that serve their cities and Orange County. It's been so rewarding to have my hobby become part of my county's disaster plans. I talk with hams around the country and I have yet to find anything like what all of you have established here. And it's not the equipment—it's the dedication and the commitment that so many of you have brought to the mission.

Even though HDSCS may not continue, friendships made can. I look forward to seeing and talking to many of you via our other amateur radio activities and I encourage all of you to continue to offer your time and skills to any public-service group or event that may have the need.

73,

April Moell, WA6OPS

## Amateur Radio License Exams

Nov. 10, 2018; 9:00 AM (walk-ins allowed)  
Sponsor and Contact: Harrison Spain, AC6TI  
714-886-8039; hmspain@gmail.com  
VEC: ARRL/VEC  
Siemens PLM Software, 10824 Hope St., Cypress

Nov. 15, 2018; 5:30 PM (walk-ins allowed)  
Sponsor: West Coast ARC  
Contact: Ken Simpson, W6KOS  
714-651-6535; w6kos@arrl.net  
VEC: ARRL/VEC  
Coastal Community Fellowship Church, 10460 Slater Ave., Fountain Valley

Nov. 15, 2018; 6:00 PM (walk-ins allowed)  
Sponsor: Western ARA  
Contact: George Jacob, N6VNI  
562-544-7373; jac2247@gmail.com  
VEC: ARRL/VEC  
La Habra Community Center, 101 W. La Habra Blvd., La Habra

Nov. 24, 2018; 10:00 AM (no walk-ins; call ahead)  
Sponsor: PAPA System Repeater Group  
Contact: Jack Suchocki, W6VFR  
954-816-8721; jack@w6vfr.com  
VEC: Greater LA VEC  
Mimi's Café, 1240 N. Euclid St., Anaheim

# November 2018

## Upcoming Events:

- **November 5:** OCRACES Meeting, 840 N. Eckhoff Street, Suite 104, Orange, 1930-2130 hours
- **November 16:** Orange County Amateur Radio Club Meeting, American Red Cross (George M. Chitty Building), 600 Parkcenter Drive, Santa Ana, 1900 hours
- **November 19:** Cooperative T-Hunt
- **November 22:** Thanksgiving

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3 Weekly 60 m ACS Net
4	5 Weekly 2 m ACS Net & OCRACES Meeting	6	7	8	9	10 Weekly 60 m ACS Net
11	12 Weekly 2 m ACS Net	13	14	15	16 Orange County Amateur Radio Club Meeting	17 Weekly 60 m ACS Net
18	19 Weekly 2 m ACS Net & Cooperative T-Hunt	20	21	HAPPY  THANKSGIVING	23	24 Weekly 60 m ACS Net
25	26 ACS Nets on Five Bands & Cal OES Nets	27	28	29	30	



[www.ocraces.org](http://www.ocraces.org)



## Mission Statement

County of Orange RACES has made a commitment to provide all Public Safety departments in Orange County with the most efficient response possible to supplement emergency/disaster and routine Public Safety communications events and activities. We will provide the highest level of service using Amateur and Public Safety radio resources coupled with technology, teamwork, safety, and excellence. We will do so in an efficient, professional, and courteous manner, accepting accountability for all actions. We dedicate ourselves to working in partnership with the Public Safety community to professionally excel in the ability to provide emergency communications resources and services.

### County of Orange RACES Frequencies

- 60 m: 5346.5 kHz USB (dial) (Channel 2) (OC ACS Net—Saturdays, 1000 hours)
  - 40 m: 7250 kHz LSB
  - 10 m: 29.640 MHz output, 29.540 MHz input, 107.2 Hz PL
  - 6 m: 52.620 MHz output, 52.120 MHz input, 103.5 Hz PL
  - 2 m: 146.895 MHz output, 146.295 MHz input, 136.5 Hz PL\*
  - 2 m: 146.595 MHz simplex
  - 1.25 m: 223.760 MHz output, 222.160 MHz input, 110.9 Hz PL
  - 70 cm: 446.000 MHz simplex
  - 70 cm: 448.320 MHz output, 443.320 MHz input, 141.3 Hz PL (private)
  - 70 cm: 449.100 MHz output, 444.100 MHz input, 110.9 Hz PL (private)
  - 70 cm: 449.180 MHz output, 444.180 MHz input, 107.2 Hz PL (private)
  - 70 cm: 449.680 MHz output, 444.680 MHz input, 131.8 Hz PL (private)
  - 23 cm: 1287.650 MHz, 1287.675 MHz, 1287.700 MHz, 1287.725 MHz, 1287.750 MHz, and 1287.775 MHz outputs, -12 MHz inputs, 88.5 Hz PL
- \*Primary Net—Mondays, 1900 hours

RACES Program Coordinator (Emergency Comm's Manager)  
Lee Kaser, KK6VIV  
714-704-8080

Chief Radio Officer (Captain)  
Ken Bourne, W6HK  
714-997-0073

Radio Officer (Lieutenant)  
Scott Byington, KC6MMF

Assistant Radio Officers (Sergeants)  
Jack Barth, AB6VC  
Ernest Fierheller, KG6LXT  
Bob McFadden, KK6CUS  
Tom Tracey, KC6FIC

### County of Orange RACES

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# County of Orange RACES

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**Visit Our Web Site**  
<http://www.ocraces.org>  
**It's Where It's @!**

Questions or Comments?  
Contact *NetControl* Editor Ken Bourne, W6HK  
[w6hk@ocraces.org](mailto:w6hk@ocraces.org)



**“W6ACS ...  
Serving  
Orange County”**

## Meet Your County of Orange RACES Members!



Ken Bourne  
W6HK



Scott Byington  
KC6MMF



Jack Barth  
AB6VC



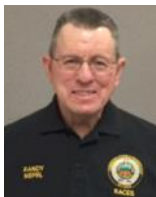
Ernest Fierheller  
KG6LXT



Bob McFadden  
KK6CUS



Tom Tracey  
KC6FIC



Randy Benicky  
N6PRL



Roger Berchtold  
WB6HMW



David Corsiglia  
WA6TWF



Ray Grimes  
N8RG



Walter Kroy  
KC6HAM



Martin La Rocque  
N6NTH



Matt Luczko  
KM6CAO



Fran Needham  
KJ6UJS



Harvey Packard  
KM6BV



Tom Riley  
K6TPR



Brad Russo  
KB6GPM



Tony Scalpi  
N2VAJ



Joe Selikov  
KB6EID



Robert Stoffel  
KD6DAQ



Ken Tucker  
WF6F



Tom Wright  
KJ6SPE



Lee Kaser  
KK6VIV