ACS Demonstrates Equipment

By: Joe Selikov

Mark Hartman, N6BMO, Region ACS Officer—Southern accompanied by Jim Walls, K6CCC, Steve Williams, WA6WKM and Ken Bourne, W6HK, Deputy State ACS Officer was the speaker at our December 7 general meeting. Mark discussed the two primary functions of the Auxiliary Communications Service (ACS) which are to coordinate support and training. In addition ACS is available to provide assistance to cities requesting help.

We also learned that the present regions are being subdivided into smaller divisions so as to better serve local communities. ACS will be looking at organizations such as ours to provide trained resources during emergencies when mutual aid is requested.

The meeting was concluded with a tour of the ACS communications van and the Operational Area Satellite Information System (OASIS).

OCRACES would like to thank ACS for taking the time to demonstrate these most impressive vehicles and their capabilities.

Annual Awards and Goals

By: Joe Selikov

December 14 was the night of our Annual awards and goal setting meeting. The evening was started by OCSD/Communications Manager Joe Robben. Mr. Robben thanked the members for their contributions over the past year and wanted us to know that he and his staff appreciated the professional manner in which we undertake all our assignments. Mr. Robben concluded with cutting the cake. It was delicious.

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Upcoming Events

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<th>Event</th>
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<tr>
<td>Jan. 4</td>
<td>General Meeting, Alternate EOC</td>
</tr>
<tr>
<td>Jan. 9</td>
<td>Sky Warn Meeting, 13:30 hours, Rancho Bernardo Library 17110 Bernardo Center Dr., Rancho Bernardo, San Diego</td>
</tr>
<tr>
<td>Jan. 11</td>
<td>Staff Meeting, Metro Net</td>
</tr>
<tr>
<td>Jan. 25</td>
<td>City/County RACES meeting, Alternate EOC</td>
</tr>
<tr>
<td>Feb. 1</td>
<td>General Meeting, Alternate EOC</td>
</tr>
<tr>
<td>Feb. 8</td>
<td>Staff Meeting, Alternate EOC</td>
</tr>
<tr>
<td>Mar. 1</td>
<td>General Meeting, Alternate EOC</td>
</tr>
<tr>
<td>Mar. 8</td>
<td>Staff Meeting, Alternate EOC</td>
</tr>
<tr>
<td>Apr. 10-11</td>
<td>Baker to Las Vegas Challenge Cup</td>
</tr>
</tbody>
</table>

Jan. Meeting

The guest speaker for our January 4th meeting is Captain David Boehm, Communications and Emergency Services Officer for the Civil Air Patrol, Long Beach Group 7. Captain Boehm will be presenting an overview of how the Civil Air Patrol tracks and locates signals from Emergency Locator Transmitters (ELT) and other emergency beacons. The presentation will include a description of how CAP gets alerted to emergency signals, how they are dispatched, and a demonstration of the direction finding techniques and equipment used in an actual search mission. This presentation is open to the public. The OCRACES meeting begins at 7:30 PM on Monday January 4th, 1999. The meeting will be held at OCSD/Communications, 840 N. Eckhoff St. in the City of Orange.

NOTICE: As of this issue, please start using the new roll-call sheet. City station numbers have been removed.

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<td>Did You Know?</td>
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Captain’s Corner  By Ray Grimes

OCRACES had a banner year in 1998. We supported two elections, major brush fires, Baker to Vegas, the Persian Festival, the OCSD AERO/SAR joint exercise, an OCSD search for a missing person, an APCO/CPRA presentation on RACES, and the Emergency Response Institute, to name but a few key events. OCRACES also developed a close relationship with its neighboring cities and counties, to partner in mutual aid communications should that become necessary during a disaster. With the beginning of a new year comes new challenges and tasks, and some pleasures. We welcome Mike Carona as the new Orange County Sheriff and pledge our support. Expect significant changes in management policy and procedure within OCSD. As always, I am fully confident that we will step up to the challenges with professionalism and technical expertise.

I urge OCRACES members to remain focused and dedicated, remembering the reason all of us joined the team was to serve our communities by providing emergency radio communications. There will be numerous exercises and classroom training opportunities in 1999. We need this training to remain effective and updated on the latest emergency procedures. While these events may not be viewed by all as exciting, they are necessary and important in developing the foundation of knowledge and experience required to perform important tasks.

Happy New Year! As we usher in 1999, I would like to take a moment and reflect on the accomplishments of 1998. OCRACES had its busiest year ever. We were involved in 31 events, activation’s and activities, as well as 13 on-going projects. 16 members celebrated at least five years of service to our organization. It was a great year, and I am looking forward to a busy 1999.

At our December OCRACES staff meeting we conducted a review of 1998 goals and established new goals for 1999. To me, two goals stand out as essential to our continued success. One is to increase membership in OCRACES. If each member were able to recruit one new member to the organization we would literally double our size. Think about someone who is willing to serve and ask them to join us. Another goal was increased participation by our current staff. As you know, the workload is easier with more participants. As we enter 1999 I ask each OCRACES member to give some thought regarding these two goals and help us improve within these two areas.

City and County RACES organizations will notice a small change to the weekly net. The use of station numbers in regards to RACES operations will no longer be utilized. Each organization will simply be called by their agency or city name. You will hear this change beginning with the January 4, 1999 net. We have also added the Hospital Disaster Support Communications System (HDSCS) and State OES to our weekly nets. OCRACES members will soon receive a request to update the resources survey. Amish Parashar is coordinating our annual updating of this document. A timely response by all personnel is appreciated. A copy of the EOC and SEMS training guidebook. City Coordinators and Radio Officers from each RACES organization are invited and encouraged to attend.

I was browsing through an antique WW II Office of Civil Defense Air Raid Warden’s manual I recently purchased, and found it quite interesting to read about the concerns and worries of that era. Some of these fundamental disaster organizational structures are still in place today, though the anticipated risks have changed. There are many of the familiar elements of emergency responder duties such as observing, accurately reporting and communicating, maintaining log sheets, managing personnel, and adapting to changing situations. These early emergency planners couldn’t have possibly envisioned the worries of the new millennium such as Y2K and fire ants. Oh, for the good old days!

ECC News and Views  by Robert Stoffel

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City Watch

Huntington Beach

For the past two years Huntington Beach RACES has been under the leadership of Ron Jagodinski, KE6EMN. Under Ron’s leadership, HB RACES has continued to grow, with bonds between the County and other City groups becoming even stronger. Ron is being replaced by Steve Graboff, M.D., W6gos. OCRACES would like to thank Ron and offer Steve our continued support.

NetControl
Search Marking System (part 2)
By: Lt. Mike Krueger, N6MIK

The Search Markings system is used in conjunction with the hazard marking system described last month. The Structure/Hazard Marking system, (archived on the OCRACES web page) is used to indicate the status of structures. The Search Marking system is used to identify information relating to victim and hazard locations inside a structure. Urban Search and Rescue teams that responded to the Westminster water tank collapse on September 21 of this year used this marking system when conducting searches in the affected buildings. The orange markings on the exterior walls of the apartment complex were visible in some television reports and newspaper photos.

Like the Structure/Hazards Marking System, the Search Marking system is used nationwide. OCRACES members may be assigned to areas where the Search Markings system has been implemented. Understanding it will reduce the potential for injury, contamination, and/or equipment damage.

The Search Markings system uses a large (approx. 2’) “slash” to indicate that a search team is inside the structure. This slash is made with orange spray paint and placed near the “Main Entrance” to the structure. Remember that this may not be the front doors anymore!

When the search team is finished, another “slash” is made, forming an “X”, and specific information is added to each quadrant, using lumber chalk.

Information added consists of the following:

- Left Quadrant – Search Team Identifier or FEMA Task Force Number
- Top Quadrant – The date and time the search team left the structure
- Right Quadrant – Personal Hazards, rodents, biohazards, natural gas leak, etc.
- Bottom Quadrant – Number of live and dead victims still inside the structure. A small “x” means no victims.

The Search Markings System does not provide any information on the status/stability of any structures. It should not be inferred that “no victims” and “no personal hazards” means it is safe! The depictions of various Search markings are shown in the table below:

This is the end of a two part series on the Structure Hazards and Search Markings system. An archive of all training topics will be maintained on the OCRACES web page. Next month’s topic will be an introduction to Trunked Radio.
Stay Safe and 73! Mike.

### Table of Search Markings

<table>
<thead>
<tr>
<th>Quadrant</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Left</td>
<td>Search Team Identifier or FEMA Task Force Number</td>
</tr>
<tr>
<td>Top</td>
<td>Date and time the search team left the structure</td>
</tr>
<tr>
<td>Right</td>
<td>Personal Hazards, rodents, biohazards, natural gas leak, etc.</td>
</tr>
<tr>
<td>Bottom</td>
<td>Number of live and dead victims still inside the structure. A small “x” means no victims.</td>
</tr>
</tbody>
</table>

### Diagram

![Diagram of Search Markings](image)
1999 EMERGENCY OPERATIONS CENTER TRAINING

By: Loletta Barrett, Manager, OCSD/Emergency Management

Emergency Management will be presenting training for all County and Operational Area EOC responders monthly in 1999. All classes are open enrollment to all County and Operational Area personnel interested in learning about and preparing to work in the EOC. Please note that in the fall, training will focus on the San Onofre Nuclear Generating Station (SONGS) Federal Emergency Management Agency (FEMA) dress rehearsal and graded exercise (September 23, 24, 25 and October 27, 28, 29 respectively). Enrollment in the classes offered during that period will be mandatory and limited to persons participating in the dress rehearsal and exercise.

This year Emergency Management will endeavor to provide more hands-on and functional training within each of the classes we provide. We have tried to present the classes on a variety of days and times to make the training available to as many personnel as possible.

Two classes, “Introduction to SEMS” and “EOC Orientation” should be taken by anyone participating in any EOC drill or exercise, or any actual emergency response to the EOC. These classes are held together, are two hours in length, and conducted at the Loma Ridge EOC. The schedule of classes for the next eight months is as follows:

- Tuesday, January 19 at 1300
- Friday, February 19 at 0800
- Wednesday, March 17 at 1330
- Tuesday, April 13 at 0800
- Friday, May 21 at 1300
- Monday, June 21 at 1300
- Tuesday, July 20 at 1300
- Thursday, August 12 at 0800

Enrollment is required to ensure class participants can be notified if it is necessary to cancel a class due to activation of the EOC for an emergency. Please contact Emergency Management at (714) 628-7055 for enrollment information.

Committee Reports

Visual Communications

Coordinator: Jim Carter (WB6HAG)
Web page: http://www.qsl.net/wb6hag/

Tri-Agency Update - A formal letter of request for ATV repeater frequency availability was drafted and is pending mailing to SCRRBA for their response. Our informal verbal request went unanswered. Therefore, the Tri-Agency program still remains on hold.

ATV Communication Frequency Update - TASMA approved moving the APRS frequency to 144.39 MHz during their December meeting. Our ATV communications frequency is now located at 144.345 MHz. Please update your frequency listings.

Mutual Aide Training Request - Hemet and Huntington Beach RACES have approached us for providing ATV training to their members. Both agencies were sent copies of our ATV manual for their review in preparation of meeting their request. Presently, we are trying to arrange training for them and other RACES organizations who are interested in knowing how to use ATV, some time in March. More about this later!

Loma Ridge - Jack Barth (AB6VC) and Ray Grimes (W6RYS) spent a few days on Loma Ridge redressing the ATV cables. The RACES room was rearranged earlier in the month which left some of the cables needing redressing. Thanks guys for your time and efforts in improving the cosmetics of our operating position.

Santiago ATV Repeater - News was released by the ATN owner in December, that the ATN repeater located on Santiago peak may be at risk. The repeater building housing the ATV repeater was privately owned until recently. It is now owned and operated by a large Corporation, which has strict operating regulations for amateur stations located in their buildings. The full impact is uncertain at this time. However, the limitations disclosed could hamper our operations for using this site in times of an emergency. This has caused us to review other alternatives.

Baker to Vegas - Because the ATV link between Las Vegas and the Santiago ATV repeater is not operational, and the limitations placed upon us by the new site owners, we have canceled our plans to provide video to Loma Ridge during the race. However, we may still provide video of the race course to local receiving stations who are able to receive the Las Vegas ATV repeater. This continues to be under discussion.
Robert Stoffel continued the meeting with the presentation of the service awards. The awards are as follows:

**Most participation:**
- First Place – Ken Mirabella, KM6YH
- Second Place (tie) - Ray Grimes, W6RYS, Jim Carter, WB6HAG

**Recognition for event coordination:**
- Field Day – Ralph Sbragia, KD6FYT
- Baker to Vegas – Mike Krueger, N6MIK
- Visual Communications (ATV) – Jim Carter, WB6HAG
- NetControl – Joe Selikov, KB6EID

**Recognition for OCSD/Comm. Support**
- Joe Saddler, WA6PAZ
- Jim Henderson, N6LV
- John Naughton, WB6TRH
- Kevin Sullivan, K4SRV
- Fred Amsbury, W6ABO

**Voted by members:**
- Non-officer – Tom Mirabella, KD6AAN
- Officer – Joe Selikov, KB6EID

**Special Thanks:**
- Ken Mirabella, KM6YH
- Ray Grimes, W6RYS

**Most attended meetings and Nets**
To be awarded next month

**Awards for individual efforts:**
- Maintaining the OCRACES internet server – David Steffen, W6DS
- Maintaining the OCRACES Database – Amish Parashar, KE6EZM
- Webmaster – Tom Mirabella, KD6AAN
- Photography – Steve Sobodos, KN6UX, Ray Grimes, W6RYS, Jim Carter, WB6HAG, Jack Barth, AB6VC
- Core Repeater – Ray Grimes, W6RYS
- Radio Room in EOC – Ken Mirabella, KM6YH, Al Baird, KC6TWI

Mike Krueger, N6MIK
- Visual Communications, camera work – Jack Barth, AB6VC
- Jim Carter, WB6HAG
- Ray Grimes, W6RYS

**Meritorious Service Award**
This award was presented to Walt Wilson, K7WWW for all his support for both County and RACES activities.

**Goals for 1999**
After some discussion about the goals that were accomplished in 98, we proceeded to list 10 goals for 99. These goals are:

1. Continue OCRACES Packet Plan
2. Re-assess Committee Chairs
3. HAM FAX
4. Mason Park Responsibilities
5. Increase membership
6. Increase membership participation
7. RF Hazard Training
8. Expand Visual Communications to include 2.4 GHz
9. Expand interagency relations
10. Define and apply Sergeant duties

The “Considerate Operator’s Frequency Guide”
(Reprinted from January 1999 QST)

The following frequencies are generally recognized for certain modes or activities (all frequencies are in MHz).

Nothing in the rules recognizes a net’s, group’s or any individual’s special privilege to any specific frequency. Section 97.101 (b) of the Rules states that “Each station licensee and each control operator must cooperate in selecting transmitting channels and in making the most effective use of the amateur service frequencies. No frequency will be assigned for the exclusive use of any station.” No one “owns” a frequency.

It’s good practice—and plain old common sense—for any operator, regardless of mode, to check to see if the frequency is in use prior to engaging operation. If you are there first, other operators should make an effort to protect you from interference to the extent possible, given that 100% interference-free operation is an unrealistic expectation in today’s congested bands.

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.800 - 1.830</td>
<td>CW, data and other narrowband modes</td>
</tr>
<tr>
<td>1.810</td>
<td>QRP CW calling frequency</td>
</tr>
<tr>
<td>1.830 - 1.840</td>
<td>CW, data and other narrowband modes, intercontinental QSOs only</td>
</tr>
<tr>
<td>1.840 - 1.850</td>
<td>CW; SSB, SSTV and other wideband modes, intercontinental QSOs only</td>
</tr>
<tr>
<td>1.850 - 2.000</td>
<td>CW; phone, SSTV and other wideband modes</td>
</tr>
<tr>
<td>3.500 - 3.510</td>
<td>CW DX</td>
</tr>
<tr>
<td>3.590</td>
<td>RTTY DX</td>
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<tr>
<td>3.580 - 3.620</td>
<td>Data</td>
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<tr>
<td>3.620 - 3.635</td>
<td>Automatically controlled data stations</td>
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<tr>
<td>3.710</td>
<td>QRP Novice/Technician CW calling frequency</td>
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<tr>
<td>3.790 - 3.800</td>
<td>DX window</td>
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<tr>
<td>3.845</td>
<td>SSTV</td>
</tr>
<tr>
<td>3.885</td>
<td>AM calling frequency</td>
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<tr>
<td>3.985</td>
<td>QRP SSB calling frequency</td>
</tr>
<tr>
<td>7.040</td>
<td>RTTY DX QRP CW calling frequency</td>
</tr>
<tr>
<td>7.075 - 7.100</td>
<td>Phone in KH/KL/KP only</td>
</tr>
<tr>
<td>7.080 - 7.100</td>
<td>Data</td>
</tr>
<tr>
<td>7.100 - 7.105</td>
<td>Automatically controlled data stations</td>
</tr>
<tr>
<td>7.171</td>
<td>SSTV</td>
</tr>
<tr>
<td>7.285</td>
<td>QRP SSB calling frequency</td>
</tr>
<tr>
<td>7.290</td>
<td>AM calling frequency</td>
</tr>
</tbody>
</table>

(Continued on page 6)
Meetings:
General: First Monday of Month (open to public) @ 1930 hr
Staff: Second Monday of Month (members only) @ 1930 hr

Meeting Location:
OCSD/Communications
840 N. Eckhoff St., Suite 104
Orange, Ca. 92868-1021

County RACES Frequencies
6 m: 52.62 MHz output, 52.12 MHz input, 103.5 Hz PL
2 m: 146.895 MHz output, 146.295 MHz input, 136.5 PL;
(Primary net Mondays. 1800 hrs.)
2 m Packet: 145.07 MHz (1830 – 1900 hours)
1.25 m: 223.76 MHz output, 222.16 MHz input, 110.9 Hz PL
70 cm: 449.175 MHz output, 444.175 MHz input, 107.2 Hz PL (private)

OCRACES Web Page:
http://www.ocraces.org

OCSD/Comm’s Staff:
Emergency Comm’s Coord.
Robert Stoffel, KD6DAQ
(714) 704-7919

Chief Telecom Engineer
Gary Gray, W6DOE
(714) 704-7911

OCRACES Chief Radio Officer
Ray Grimes, W6RYS
(562) 594-0065

Assistant Chief Radio Officer
Ken Mirabella, KM6YH
(714) 990-6656

Assistant Radio Officers
Mike Krueger, N6MIK
John Roberts, W6JOR
Joe Selikov, KB6EID
Steve Sobodos, KN6UX

Sergeants
Al Baird, KC6TWI
Jim Carter, WB6HAG
Marty Mitchell, N6ZAV
David Wilson, KE6AFR

NetControl Editor:
Lt. Joe Selikov, KB6EID
jalsel@earthlink.net

Did You Know? (cont.)

(Continued from page 5)

10.106 QRP CW calling frequency
10.130 - 10.140 Data
10.140 - 10.150 Automatically controlled data stations

14.060 QRP CW calling frequency
14.070 - 14.095 Data
14.095 - 14.0995 Automatically controlled data stations
14.100 IBP/NCDXF beacons
14.1005 - 14.112 Automatically controlled data stations
14.230 SSTV
14.285 QRP SSB calling frequency
14.286 AM calling frequency

18.100 - 18.105 Data
18.105 - 18.110 Automatically controlled data stations

21.060 QRP CW calling frequency
21.070 - 21.100 Data
21.090 - 21.100 Automatically controlled data stations
21.340 SSTV
21.385 QRP SSB calling frequency

24.920 - 24.925 Data
24.925 - 24.930 Automatically controlled data stations
24.930 - 24.935 Data

28.060 QRP CW calling frequency
28.070 - 28.120 Data
28.120 - 28.189 Automatically controlled data stations
28.190 - 28.225 Beacons
28.385 QRP SSB calling frequency
28.680 SSTV

29.000 - 29.200 AM
29.300 - 29.510 Satellite downlinks
29.520 - 29.580 Repeater inputs
29.600 FM simplex
29.620 - 29.680 Repeater outputs

Note


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