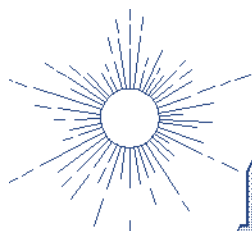


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 35, No 7

July 2010

ARE YOUR DUES CURRENT?

**Check Your Club's Listing
on Page 2 for Information.**

**Be sure your club has your current
email and/or mailing address.**

CLUB MEETINGS SCHEDULE

SARC

Jul 7th
Scottsdale Senior Center
7:30 PM

AARC

Jul 8th
Red Cross Bldg. - Phx
7:30 PM

OPRC

Sep 8th
AZ Bldg at Tucson Medical Ctr
7:15 PM

CARL

TBA
AZ Science Center
TBA

ADAW MEMBER CLUBS

ARIZONA AMATEUR RADIO CLUB

The Arizona Amateur Radio Club meets on the **SECOND THURSDAY** of each month at 7:30 p.m. in the Red Cross Building, located at 6135 N. Black Canyon Hwy., Phoenix (N. of Bethany Home Rd., E. side of Freeway on frontage Rd.).

President	Gary Hamman	K7GH	602.996.8148
Vice President	Bob Milburn	KB7TWF	480.991.1702
Secretary	Leslie Hickey	N5LDH	602.246.4303
Treasurer	Bob Hodges	K7JJT	602.274.1647
Red Cross Liason	Larry Penrod	AC7FC	602.955.0349
ARCA Liason	Dick Baum	NS7A	602.870.1135
Membership	Bob Hodges	K7JJT	602.274.1647

AARC c/o Bob Hodges, K7JJT, P.O. Box 56483, Phoenix, AZ 85079-6483. DUES: \$15.00/YR, Prorated (\$18.00 Family, \$9.00 Student), MEMBERSHIP YEAR BEGINS FEB. 1.

SCOTTSDALE AMATEUR RADIO CLUB, INC.

The Scottsdale Amateur Radio Club meets the **FIRST WEDNESDAY** of each month at 7:30 p.m. in Room 8 at the new Scottsdale Senior Center located at 1700 N Granite Reef Road (west side of Granite Reef Rd., 50 yards north of McDowell Rd. Parking on site). The club also holds a net every Tuesday night at 7:00 p.m. on the 147.78/.18 repeater.

President	Paul Finell	W7EFQ	602.998.7024
Vice President	Bob Johnsen	K7TR	480.946.1427
Secretary	Ed Nickerson	NU7S	480.949.5162
Treasurer	Tom Barry	W7UF	480.998.8494
Past President	Bob Johnsen	K7TR	480.946.1427
Membership	Gerald Jacques	KE7GYM	480.239.8679
Board Members	Jerry Jacques	KE7GYM	480.239.8679
At-Large	Paula Jones	KD7TNB	
	Dreux Jacques	KB8YYA	
	Louis Schmitt	NQ7I	
	Skip Moretti	K7OAH	602.952.2649
	Alan Jensen	KE7FSD	
	Judy Jensen	KE7IXI	
	Stephen Thomas	KE7TLS	

SARC, P. O. Box 10878, Scottsdale, AZ 85271-0878. Phone: 602.735.3988. DUES: \$20.00/YR, (\$10.00/Add'l Family Member).

CENTER FOR AMATEUR RADIO LEARNING

The Center for Amateur Radio Learning is a hands-on amateur radio station, W7ASC, located within the Arizona Science Center at 600 E. Washington, Phoenix. Board meetings are held the last month of each quarter at the AZ Science Center. Annual meeting for all volunteers is held the **third Saturday** of January. Watch ADAW for details.

President	Bob Burleson	KG7QJ	480.961.1109
Vice President	Tom Salt	AD7PM	480.926.0348
Secretary	John O'Neal	K7JP	480.345.7800
Treasurer	Larry Foster	KC0JON	480.767.0593
Board Members	Ray Waddoups	KE7FUM	480.654.9883
	David Zinder	W7PMD	602.358.7826
	Jordan Snell	KC7CWX	480.844.3744

Web Master, ARCA Rep - Roger Buel, W9NCQ - 602.493.7242
For information: Email to carl@w7asc.org or call Bob Burleson, KG7QJ at 480.961.1109. Web Site: <http://www.w7asc.org>

OLD PUEBLO RADIO CLUB

The Old Pueblo Radio Club meets the **SECOND WEDNESDAY** of each month (except June, July and August) at 7:15 p.m. in the Arizona Building at Tucson Medical Center. Visitors are welcome.

President	Ron Kalish	N7SPW	520.207.3852
Vice President	Alan Drexler	WB9TSU	520.885.9910
Treasurer	George Devich	N9IUK	520.760.0125
Board of Directors:			
	Dave Brown	KC7CQY	520.908.0805
	Art Mills	KD7HZP	
	Bill Price	N7GUO	
	Ivan Settle	KB7USM	
	Cliff Hauser	KD6XH	
WebMaster	Ted Willis	AA7HX	520.790.3828
	(www.oprc.org)		
Trustees: (all repeaters operating under the K7TRA call)			
Primary	Cliff Hauser	KD6XH	
	146.660, 146.820, 147.220-		
	Paul VanBeverhoudt	KA7LFX	224.06+
Secondary	Ted Willis	AA7HX	146.66-
	Ralph Turk	W7HSG	146.82-
	Paul VanBeverhoudt	KA7LFX	224.06+



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www.adaw.org

The *Arizona Desert Aire Waves* is published monthly and is the official news media of the sponsoring clubs. All news items, articles and inquires should be submitted to each club's editor. Any information and opinions printed herein are those of the contributors and are not necessarily those of the sponsoring clubs. Full permission is granted to quote from this publication providing credit is given to the individual contributor and the ADAW. ALL RIGHTS RESERVED. **Deadline is 10th of the month**

Public Service Calendar

EVENT	LOCATION	DATE
Cactus Cha-Cha	White Tanks Mtn Regional Park	10/09/10
Javalina Jundred	McDowell Mtn Park	10/23/10
Heart of Arizona Century	Congress	11/06/10
Cave Creek Mtn Bike Ride	Cave Creek Area	11/13/10
Cave Creek Road Ride	Cave Creek Area	11/14/10
Fiesta Bowl Half Marathon	Scottsdale	12/05/10
Runner's Den Road Classic	Paradise Valley Mall, Scottsdale	02/06/11
Mesquite Canyon Trail Ride	White Tanks Mountain Park	03/12/11
Run Around the Runway	Scottsdale Air Park	03/19/11
March of Dimes for Babies	Wesley Bolin Plaze (State Capitol)	04/09/11
Highline Trail Run	Payson	04/16/11

To sign up send email to: mcecg@yahoo.com
MCECG on the Web MCECG.ORG for event sign up
For information on events, join - azhamserve@egroups.com

Jim Pierce, N7QVW - 623.551.1204 - jim@n7qvw.net
Brian McCarthy, N7TUQ - 623.486.0507 - n7tuq@arrl.net

ADAW

Event Calendar

July 16 - 18, 2010 - **ARCA/Williams Hamfest** - hosted by the Amateur Radio Council of Arizona will be held at the Rodeo Grounds in Williams. Grounds open at 5:00 p.m. on Thursday, July 15, for set-up. Train trip to the Grand Canyon aboard the Grand Canyon Railway is scheduled for Sunday, July 18. Meetings, seminars, demonstrations, prizes, commercial vendors, tailgaters, camping, VE testing, Saturday night BBQ and more! ICOM America will be in attendance. Admission is free. Outside space for selling and/or camping \$15 each for the entire weekend before June 1 - \$20 after June 1 and at the event. Visit the web site at www.arca-az.org and click on the July Hamfest link for all the details.

September 17 - 19, 2010 - **ARRL Southwestern Division Convention** - hosted by the San Diego Amateur Radio Club (SANDARC) will be held at Four Points Sheritan Hotel, 8110 Aero Dr in San Diego, CA. Talk-in 145.32(-) PI 107 and 146.52 simplex. For more information, visit the web site at <http://www.sandarc.org/>. Event contact: Paul Rios - phone: 619.593.9445 - email: kc6qls@cox.net.

December, 2010 - **Superstition Hamfest** - hosted by the Superstition Amateur Radio Club. Watch for details.

January 8, 2011 - **Thunderbird Hamfest 2011** - hosted by the Thunderbird Amateur Radio Club will be held at the Thunderbird School of Global Management, Greenway Road and 59th Avenue, Glendale. Details to follow.

February 18 - 19, 2011 - **Yuma Hamfest & Emergency Preparedness Show** - hosted by the Yuma Amateur Radio Hamfest Organization will be held at the Yuma County Fairgrounds, 2520 E 32nd Street, Yuma. Event hours: Friday, noon - 5:00 PM and Saturday, 8:00 AM - 5:00 PM. Gates open Thursday, 2:00 PM for camping. VE testing, hourly door prizes, grand prizes, seminars, and hospitality area. ARCA meeting at 11:00 AM Saturday. Admission \$1.00 - Free parking. Contact email - info@yumahamfest.org. Web site - www.yumahamfest.org

March, 2011 - **SpringFest** - hosted by the Scottsdale Amateur Radio Club. Watch for updates.

May 7, 2011 - **Larry Warren Memorial Hamfest** - hosted by the Cochise Amateur Radio Association will be held at Green Acres, 2756 Moson Road, Sierra Vista. Watch for details.

ADAW

R.J. CARLI ENGINEERING CORP

<div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">ELECTRICAL CONSULTING</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">SOUND/SIGNAL CONSULTING</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">MECHANICAL CONSULTING</div> <div style="border: 1px solid black; padding: 2px;">PLUMBING CONSULTING</div>	<p>7311 E. STETSON DRIVE SCOTTSDALE, ARIZONA 85251</p> <hr/> <p>RAYMOND J. CARLI, P.E. ELECTRICAL ENGINEER W7GNE</p> <p>(480) 941-8610 (OFF.) (480) 945-7020 (FAX)</p>
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SCOTTSDALE AMATEUR RADIO CLUB, INC.



Club Station: WA7APE
Club Repeaters: 147.78/.18 & 445.00/440.00

Hi Guys,

The weather has continued to be great for outdoor activities like hiking, biking and camping. Bonnie and I spent a week camping on the rim at the Canyon Point Campground. This is a National Forest Campground and you need reservations for a space. We made our reservations for a space back in February and, of course, you never know what you will get for weather. Well, it was quite cool the first couple of days and the wind was very strong. This was at the same time the highway patrol closed Interstate 40 because of 70 mph winds. The forest up here now has a lot of large pine trees that are snapped off about 15 feet up. The park rangers told us they have had a very windy spring which has caused so much damage. Very sad.

Because of the altitude up here (about 8000 feet), I didn't do much the first day to give myself time to acclimate to this elevation. The park employees told us they have a "red flag warning" because of the wind. No camp fires until they lifted the ban.

There was no rain and only a few clouds racing across the sky at record speed, so we spent a lot of our vacation outside, hiking and fishing. We hiked around the grounds and in the adjacent forest areas. We walked around the camp site loops and to the showers. It was very enjoyable to breathe such clean air and just veg out. After the winds died down, I went to Willow Springs lake to try my luck with a fly rod. I am not very good at fly casting and maybe that is why the fish just laugh at me and stay away from the fly I am using. I did not have any success, but it was fun just the same. I will do better next time.

Of course, I used my 2-meter radio a lot up here. I did not bring the HF rig this time, but I will on the next trip. There was a lot of activity on the 147.36 Mount Ord repeater. That repeater is linked to three or four other repeaters on the east side of the state. It works well and it covers the high country forest area so hikers and fishermen can stay in contact with someone. Now that is ham radio at its finest.

Back in the QTH radio shack, I have been listening on 20 meters a lot for signs of improvement in propagation. Lately there has been some DX and small contests that I have worked. Not much, but it seems to be getting better. With the big Field Day Contest coming up, I need to practice as much as possible. The CW contesters are very high speed and I am not. But I am working on it. I also checked out the 20-meter phone band and there were a few guys on there as well. There will be a lot of guys on the frequency during Field Day, so that is the best time to jump in there and have some fun.

I had planned to go to Chino Valley again this year for field

day, but because of some other commitments, that will be impossible. So I am going to try to go to the Maricopa County Emergency Operating Center in Phoenix on McDowell Road. They are air conditioned!

The Williams Hamfest is coming up on July 16th and 17th. There is always a large swap meet, seminars, commercial vendors, VE testing and a great Bar-B-Q. For more info check out the flyer in ADAW or go to their web site www.arca-az.org. We are planning to attend and camp out there. It is always a great time.

Finally, here comes summer and the monsoon. I hope we get some rain, but you never know. We may get some severe weather from those big boomers that drift into the valley. You can get on your computer and check out the storms that are in the area. Rick Aldom W7STS gave us a great program on weather a few months ago. You can get on wunderground.com and take a look. Be a storm chaser.

The club has a weekly net on 147.18 with a PL of 162.2. It is a general conversation net and Dreux usually has some great things to talk about. We have had a lot of you guys check in and there is always room for more.

Well, that is all I have for now. Until next month, keep on hamming and enjoying life.

73,

Ed, WU7S

enickerson427@aol.com

ADAW

SARC CONSTANTS:

SARC is a 501 (c)-3 club. That means all donations are fully tax deductible. Contact Paul Finnell, W7EFQ at 602.998.7024 for information on estate donations and equipment pick-up.

For membership information, call Gerald Jacques, KE7GYM at 480.239.8679. Please send address change requests to Gerald no later than the 7th of the month in which you would like the change to occur.

To field check QSL cards for most ARRL awards, call Nick Sues, W7ZMD at 602.992.4133.





Lots of design changes and remodeling planned! From the June 5th meeting some design suggestions include removing the walls and counter tops and shift the opening to the left (facing the shack) providing more room on the west side. Also plan to make more room by building out new walls so cabinets for radio displays are flush. See the proposed artwork for the new shack and “the way we were” ten years ago (2nd floor of ASC) and where we are now (3rd floor ASC)

We will get a more interactive large monitor so that guests have the opportunity to choose from a selection of short Amateur Radio videos (e.g., “Ham Radio Today”) to view on the screen. We will also have a Ham map to mark location contacts, have a display of young ham operators, video showcasing famous operators, articles and info on Ham radio in Public Service and Emergency Communications. There are a number of additional upgrades but that is about it for now. Watch this space for more in coming months!

A reminder that the 2010 General License class starts at the AZ Science Center on Saturday, July 24th following the Williams Hamfest. The next Tech License class will begin Saturday, October 16th at Mesa Community College based on the new 2010 Tech question pool. Lots of changes there!

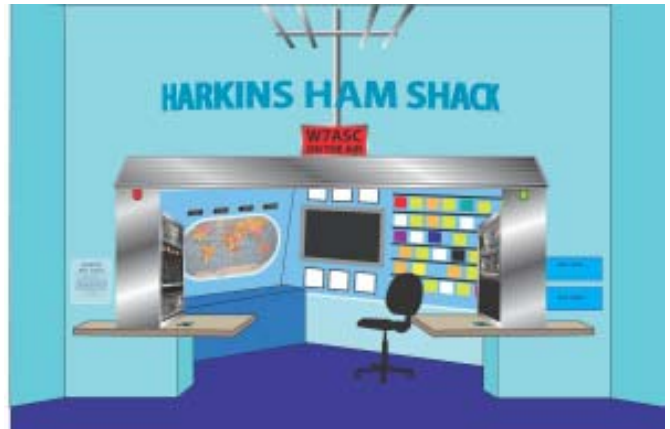
The W7ASC Shack is now on “Summer Hours” from 10:00 AM to 3:00 PM through to Labor Day. This due to the “Snow Birds” going back north and schools being out. We are still short of W7ASC volunteers. Spread the word at your Ham Club. Call 480-961-1109 and volunteer now.

We have a NEW CARL PPT Presentation available (operators are standing by) that can be presented to your club. Contact me (see below) to set it up.

—73 Bob Burleson, KG7QJ
480-961-1109 kg7qj@cox.net



Current W7ASC Shack (third floor)



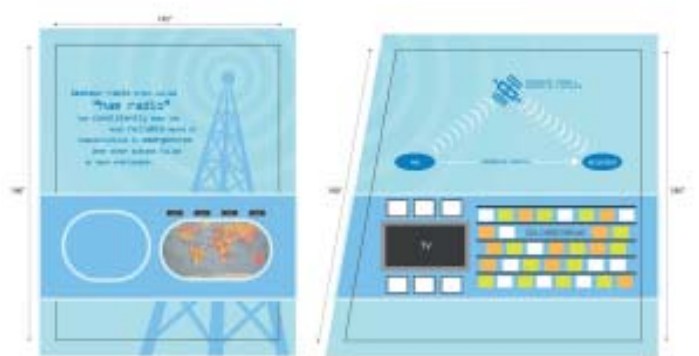
Proposed W7ASC Shack



Proposed West & East Stations



Original W7ASC Shack (second floor)



*Proposed South Wall - Maps & Clocks
West Wall - Large Monitor & QSL Display*



This has been an interesting month. We have, of course, been thinking and planning for Field Day, which will probably be history by the time you read this, but some of our interest these past few weeks has been directed toward the work being done by George Cooney, KQ7C, and John Kainrath, K7JHK, regarding using Echolink to link to the W7UXZ repeater. Several of the AARC members have been on Echolink this month along with George and John, including Dick Thomas, AC7SW; Gary Hamman, K7GH; Bob Hodges, K7JJT; Joe Brian, AB7VY; and me, Lori Cripps, WA7EDI. The Echolink/2-meter story with its troubles and successes can best be told by George, KQ7C, so the rest of this column is written by him.

My 73's until next month when I will be back with Field Day photos and who knows what other adventure stories to relate.

Lori Cripps, WA7EDI
cripps@cybertrails.com
(602) 955-7517

Sometime around the end of 2009, I got an idea that it would be a simple matter to interface a computer running Echolink to a 2-meter radio. I saw a need for this since one of our club members, K7JHK, John, lives in an area of Arizona that makes it hard for him to get into the repeater we use for our weekly net. Much money was spent on a beam and amplifier, but at times the propagation is bad enough that his signal is weak into the repeater.

Even though John has a long commute, he comes to club meetings and participates in our net as a net control operator regularly. Well, as everyone knows, he could be in Antarctica and would have perfect audio into our net as long as he had a computer, an ISP and was using Echolink. So with that "need" in mind, I set out to homebrew the needed interface so I could run Echolink in the linked mode. Ha ha! Little did I know that my "can of worms" was born. It looked and seemed so easy. I am a great advocate of using Google and firmly believe he knows everything, so sure enough he came through. The only information I needed, however, was not there: a warning that it was not going to be easy.

Ok, so that's enough background. Let's get to it. John got wind of what I was trying to do and decided to help, so he

ordered a Rigblaster and had it shipped to me. I opened the box and was surprised how small it was. It measures 3 inches by 2 inches and is seven-eighths of an inch high. Three one-eighth inch stereo plugs and one USB cable come out of one end and a long cable with the plug for the back of my radio comes out the other end. Piece of cake I said to myself. All I have to do is plug it in. Ha ha. I read the directions on the CD and plugged all the cables in their mandated slots, turned everything on and checked to see that the green light was on in the Rigblaster, which, according to the instructions, meant the installation was completely successful. It turned out that all that was successful was that the cables were plugged into the right holes.

From that day forward I came to the conclusion that there is no one person in the world that might know how to write a book called Echolink to 2M Radio Installation for Dummies. So after many calls to both Echolink and the Rigblaster group, I collected a bunch of bits and pieces about what I needed to do. I had so many bits that I did not need, and so few that I did need, that I was confused trying to sort it all out. So back to Google I went. Google knows everything, of course, and finally I hit the jackpot. I found a man in the north part of England who had been down this road. He sent me a comprehensive printout of the step-by-step procedure for connecting my Rigblaster model to my model radio! From that point on things got a lot better. The system worked . . . sort of. K7GH was very helpful and worked with me in test mode, using the link, and after much investigation and experimentation, we got it off the ground, and it has been working for two weeks. Now, I'm pretty sure I could write that book for dummies. Hi.

There are a couple things we still need to learn more about. One is the fact that, at this time, the only method to get the radio to trigger transmit in the PC is by using VOX. We believe there might be a better way once we hook up the wire that is disconnected inside the Rigblaster. The second thing we want to know more about is the current limitation where I can only participate in our club net by using a second radio and antenna or a second computer running Echolink on a second ISP. Now that we are interface "heavies," we hope to solve this.

In retrospect, I felt that this project was very complicated for someone with no Interface experience, and I thank John for setting me off on a real adventure. I also thank all those who helped me along the way.

73, George, KQ7C

ADAW

License Testing Information



KQ7C's Echolink/2-Meter Setup



A closer look at the link setup

When you are ready to take an exam for an Amateur Radio license, there are Volunteer Examiners available to assist you. Each Applicant will need to bring a picture ID (some test sessions require two forms of identification). If you are upgrading your class of license, be sure to bring the original (and a copy) of your license and/or Certificate of Successful Completion of Examination (C.S.C.E.). There may be a fee required.

PLEASE NOTE: Dates, times, or locations may change. Call test session contact to confirm information. Walk-ins are permitted unless otherwise specified.

JULY TEST SESSIONS

Jul 1st - Radio Society of Tucson -- 7:00 PM
Lighthouse YMCA, 2900 N Columbus Blvd, Tucson
Contact - Matthew Grossman 520.750.7189
Pre-Registration Preferred

Jul 10th - Yuma ARC -- 10:00 AM
Yuma County Sheriff Office, 141 S 3rd Ave, Yuma
Contact - Robert Spencer 928.344.6469
or Beverly White 928.342.9460
No Walk-Ins - Must Pre-Register

Jul 17th - Amateur Radio Council of Arizona -- 8:00 AM
Railside RV Ranch, 877 E Rodeo Rd, Williams
Contact - ARCA at www.arca-az.org

Jul 19th - East Valley VE Team -- 6:00 PM
City of Mesa Bldg, 640 N Mesa Dr, Mesa
Contact - Steve Gurley 480.704.3666



John, K7JHK at his computer in his radio shack

ADAW



AMATEUR RADIO COUNCIL OF ARIZONA

**ARRL ARIZONA STATE CONVENTION
& HAMFEST**



*Presented by the Amateur Radio Council of Arizona
and the City of Williams*



JULY 16 & 17, 2010

WILLIAMS RODEO GROUNDS, 800 RODEO ROAD, WILLIAMS, AZ
GATES OPEN AT 5 P.M. THURSDAY JULY 15 FOR SET-UP.
HAMFEST OPENS AT DAWN FRIDAY, JULY 16.

FREE ADMISSION!

JULY 18, 2010 - GRAND CANYON TRAIN TRIP

MAIN PRIZES

- Grand Prize - ICOM IC-718 HF
- Second Prize - ICOM 800 Dual-Band Mobile (D-Star Upgradable)
- Third Prize - ICOM U-82 HT (D-Star Upgradable)
- Fourth Prize - ICOM V-82 HT (D-Star Upgradable)
- Early Bird - Signal Link Interface

ALL SPACES - \$15 per Space
DRY CAMPING - \$15 per Space
or FREE with Selling Space

BEFORE JUNE 1, 2010

PRIZES

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TRAIN TRIP**



After June 1 & ON-SITE - \$20 per Space
Selling and/or Camping
(all prices are for entire weekend)

FOR RESERVATION INFORMATION

Visit the ARCA Web Site

www.arca-az.org

On-Line Reservation Available on Web Site

Or Call - 602-881-ARCA (2722)

Talk-In - 146.78 - (91.5 Pl)



Old Pueblo Radio Club INTERMOD

President's Column

Summer is arriving in Tucson in all of its glory — temperatures over 100 degrees, stray bears, snakes, you know, the usual. Many club members have left town for the summer, and the rest seem to be hiding in the shade. As is its tradition, the Old Pueblo Radio Club is taking the summer off until the 8 September 2010 meeting.

Have a great summer, and for those taking part in field day or planning to attend the annual event at Williams (or both), have a great time.

73 de

Ron Kalish, N7SPW
President, OPRC

OPRC Repeaters

146.66 - PL 110.9	wide coverage	W7GV
146.82 - PL 110.9	wide coverage	W7GV
147.22 - PL 110.9	wide coverage	W7GV

RACES Repeaters

145.150	packet/wide	N7OEM
146.880 - PL 110.9	wide coverage	N7OEM
147.300 - PL 110.9	wide	N7OEM
448.55 - PL 110.9	wide coverage	N7OEM



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(800) 854-6046
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anaheim@hamradio.com

BURBANK, CA

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(818) 842-1786
(800) 854-6046
Eric, K8EJC, Mgr.
Magnolia between
S. Victory & Buena Vista
burbank@hamradio.com

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2210 Livingston St., 94606
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(800) 854-6046
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I-880 at 23rd Ave. ramp
oakland@hamradio.com

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(619) 500-1900
(800) 854-6046
Hay, 163 & Claremont Mesa
saddiego@hamradio.com

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(800) 854-6046
Jon, K6WV, Mgr.
So. from Hwy. 101
sunnyvale@hamradio.com

NEW CASTLE, DE

(Near Philadelphia)
1509 N. Dupont Hwy., 19720
(302) 322-7092
(800) 644-4476
Jim, K3JN, Mgr.
RT.13 1/4 mi., So. I-295
newcastle@hamradio.com

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97223
(503) 598-0555
(800) 854-6046
Leon, W7AD, Mgr.
Tigard-99W exit
from Hwy. 5 & 217
portland@hamradio.com

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8400 E. 31st Ave., #8, 80231
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(800) 444-9476
John, WB1G, Mgr.
denver@hamradio.com

NEW LOCATION!

PHOENIX, AZ

10615 N. 43rd Ave., 85029
(602) 242-3515
(800) 444-9476
Gary, N7GJ, Mgr.
Corner of 43rd Ave & Pactor
phoenix@hamradio.com

ATLANTA, GA

6071 Buford Hwy., 30340
(770) 263-0700
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Mark, KJ4VD, Mgr.
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