



*Ready to Help!  
Ready to Enjoy!*

## ***Radio Installed at Community College Campus***

While PBARC President Paul Carlin KE6NVU was taking part in a CERT class at the Brookings campus of Southwest Oregon Community College (SOCC), 3 miles north of Brookings, he found that administrators were willing to accommodate a ham radio station there for emergency use. He informed Bob Wilkinson W7VN, Curry County ARES Emergency Coordinator, and they began plans to install one.

Paul and Bob, looking for a place at the campus to install a radio and mount an antenna, were assisted by Nick Hammon, Facilities/Operations Manager, who was helpful through the whole process. Nick is taking the current ham licensing class.

Now there is a Curry County Kenwood TM-241A 2-meter transceiver in the "Mechanical Room" on the second floor of the SOCC building, with a quarter-wave antenna on the ladder outside the north wall of the building. There is 110 feet of Belden 9913 coaxial cable in between. There is a gas-tube surge protector on the cable. Power is from a sealed mid-sized lead-acid battery charged by an automatic 1-amp charger. The building has a large standby generator.

Testing of the radio showed good results into repeaters on Bosley Butte, Harbor Hills, Cape Ferrelo Fire and Crescent City, and memories are set for these and other frequencies, including local simplex. The transmitter is set at low power to conserve battery energy. PBARC members are encouraged to arrange with Bob or Paul to go check out the radio periodically and to get acquainted. PBARC member Daisy Carr KE7LBJ is a student at the college.



The antenna is easily seen from the parking lot. Looks like it belongs there?



Frank Correia of Cape Ferrelo installs the antenna. Frank also fabricated the brackets, made with materials donated by Tom Blanchard of Brookings.

## ***PBARC, Meet Hamnet!***

We rely on the Internet to share photos and information. If we lose the Internet, we are cut off from friends, family and many resources. Though hams communicate globally with voice and digital modes, our common bandwidths are too limited to exchange photos or extensive information. However, our licenses allow us to use much higher frequencies and broader bandwidths, such as UHF and even SHF: Super-High Frequency.

Some hams have developed a network called High-Speed Multi-Media (HSMM) using inexpensive, off-the-shelf WiFi routers which use a UHF or SHF band. They dubbed the project "Broadband Hamnet." It can be set up and operated, connecting laptops, tablets and smartphones into a localized high speed network. We can use it to connect for local events (Field Days and parades), and even to link to the Internet via satellites, to establish instant global communications for hams during outages. There are over 3,500 registered users for the network already.

This exciting method is being pursued by our PBARC president Paul Carlin KE6NVU and member Ron Rieg K7IOW. Ron has started critical testing with components installed at our repeater site in the Harbor Hills, and has obtained very promising results from Crescent City and Brookings Harbor locations. What are the limitations? 2.4GHz requires line of sight and/or a good Fresnel zone. If you can see the tower, you'll probably be successful.

How fast is it? The messages exchanged on the Tuesday ORCA net using the 2m band and Fldigi (MT63-2KL) run at 240 wpm. From Hamnet, we can expect at least 1,875,000 wpm!

Ron will be at our monthly meeting to explain and illustrate more details of this promising asset.

### **Available Nets for All**

We can participate in a number of amateur radio nets on a regular basis. Some are listed below.

**Mondays:**

**Humboldt County** net at 7:30 p.m. on 146.760 MHz, -,103.5 (from Scotia)

**Tuesdays:**

**Gasquet Emergency** net at 6:30 p.m. on 147.180MHz, +,136.5

**Curry Emergency** net at 6:45 p.m. on 147.250 MHz, +,88.5 (Bosley Butte)

**PBARC** net at 7:00 p.m. on 146.960 MHz, -,88.5 (Harbor Hills)

**Gold Beach** hams net at 7:00 p.m. on 146.740 MHz, -,88.5 (Grizzly Peak)

**Del Norte ARC** net at 7:15 p.m. on 146.880 MHz, -,103.5 (Crescent City)

ORCA voice and digital net at 7:25 p.m. on 146.56 MHz (simplex)

**ARES District 5** (Curry, Douglas, Josephine, Jackson and Coos Counties)

Sunday net at 5:30 p.m. on 3.964 MHz LSB. Visitors are welcome after the roll call and info segment, which usually takes about 20 minutes. Net control rotates weekly through the counties.

<b>Members' Birthdays</b>		
May 1	KE6CDE	Reg Dewar
May 8	KE7VHU	Colette Ickes
May 15	KF7KVP	James Fournier
May 28	KE6ZYK	Mike Poole
May 30	W6DWY	Brian Pacchetti
June 4	KF7WIB	Kate Davies
June 5	W7VN	Bob Wilkinson
June 8	KG7EHS	Kathie Bernhardt
June 12	KA7NCJ	Pete Peters
June 15	W7ZAP	Mindy Hamilton
June 18	KM6KV	Bill Parrish
July 6	KD7SYP	Paul Kenis
July 13	K6LKK	Oscar Marks
July 22	K7JCS	Jim Speas

### **Save the Dates! Saturday, May 24—Azalea Parade**

Memorial Day is coming, and we expect that, once again, PBARC will have a part in the preparing the Azalea Parade. Karen de Lucca KE7KAP will guide us, working with the Chamber, assigning our positions, giving instructions and supervising. We will meet at Trinity Lutheran Church on Easy Street at 7:30 AM. There will be a pre-meet to get us fully informed. You can contact her on email ([kdelucca@megalodon.com](mailto:kdelucca@megalodon.com)), phone 541 412 8518, or radio!

### **Sunday, September 7—Picnic & Annual Meeting at Loeb Park**



## Curry Emergency Net Progresses

The Curry Emergency Net that uses the Bosley Butte repeater (147.25, plus, 88.5 at 6:45PM on Tuesdays) has continued to attract hams the whole length of the county, and hit a new record on April 15 with 21 checking in! A Sparks congrats to facilitator Doug Gustafson K7KY.

### HAM LICENSE TEST SCHEDULE

The next ham testing session in Brookings for 2014 will be at 9 AM Saturday, June 7, in the Library Annex in Brookings. Other testing dates for 2014 include Aug. 2, Oct. 4 and Dec. 6, according to Dar Rasmussen KA7GNK, coordinating volunteer examiner.

### SUMMARIES OF MEETING MINUTES

#### Executive Board Minutes January 22, 2014

Those present were: Paul Carlin KE6NVU, President; Oscar Marks K7LKK, Vice President; Larry Mostachetti KE7YUI, Treasurer; Lorraine Wilkinson W7RFC, Secretary and Bob Wilkinson W7VN.

Topics discussed: Subsidizing Holiday Brunch, Repeaters, White Board Easel for the Chetco Activity Center, Radio for the Chetco Activity Center, Brookings EOC, Visiting neighboring Clubs, Tuesday night 2m Net, Sparks, 501(c) (3) non-profit incorporation for PBARC. It was decided to send Sparks to the Del Norte and Port Orford radio clubs. Any further possible actions will be taken at membership meetings.

#### Minutes January 31, 2014

Seventeen members and three associates or guests were present; a quorum. The Treasurer reported a balance of \$5,699.44. We have 41 members. Cape Ferrello Repeater: Motion, seconded and carried: \$200 for a battery, hydrator caps and trickle charger to replace the power supply currently in use. Net Report: 106 members and guests checked in this month on the weekly nets. Consensus: We will move ahead on getting radio equipment to be stored in a case at a location in Brookings. This will be available for training or emergencies, and will be used inside the Brookings Police EOC or outside, using our antennas where needed.

It was moved, seconded and carried that we spend up to \$160 for a White Board, markers and shipping for the Chetco Activity Center. 501.(c)(3) – Non-profit incorporation for PBARC: It was moved, seconded and carried that we incorporate the club.

#### Minutes – February 28, 2014

Twenty members and two associates or guests were present; a quorum. The Treasurer reported a balance of \$5,524.50. We have 48 members. Weekly Net: About 17 members and 4 guests checked in each week. Equipment purchased: An SCS modem has been purchased by Paul KE6NVU. The White Board and markers for the Chetco Activity Center have been purchased and delivered. A hand-held. 2m radio for CAC has been delivered to Kathy KG7EHS.

#### Minutes – March 28, 2014

Thirteen members and one guest were present; a quorum. The Treasurer reported a balance of \$4,066.01. We have 49 members. Weekly Net: About 16 members and 5 guests checked in each week. New Equipment purchased: Yaesu 897D transceiver, MFJ automatic tuner, Rigrunner dc distribution panel, waterproof instruction booklet, balun, programming software and cable. SOCC: the 2m station is ready to be installed. (March 29 update: this was accomplished by W7VN today, and tested successfully.)

## ***PBARC HAMS Participate in Emergency Exercise!***

Oregon ARES and county emergency managers conducted a Simulated Emergency Test (SET) on Wednesday, April 16. The state SET was primarily focused on a few northwestern counties, so the District 5 (Coos, Curry, Douglas, Jackson and Josephine Counties) hams made up our own play.

A nice surprise during the early minutes was the full-quieting appearance of a station from Douglas County ARES, on the Bosley Butte 147.25 repeater, from Roseburg via an auxiliary transmitter on Lane Mt. That is a "new" asset that we can keep in mind, and Bob W7VN, ARES EC for Curry County, will reinforce that idea in weekly contacts with Douglas County ARES.

Our local central teams consisted of Paul KE6NVU at home, joined there by Mindy W7ZAP and Doug K7KY, operating on ARES voice and digital frequencies and vhf repeaters. Lorraine W7RFC operated stations at home on the ARES hf sideband frequency and on 2 County repeaters. Bob W7VN went to the county EOC in Gold Beach, joining Curry County Emergency Coordinator Don Kendall N6VKW there and using ARES sideband and digital frequencies and the Bosley (147.25) repeater.

A large number of local hams, including many PBARC members, made calls from local "critical venues" such as fire departments, reporting, in this case, normal operations. The PBARC repeater in the Harbor Hills (146.96) stood up well to very heavy traffic.

Approximately 35 reports were compiled at Paul's team station and forwarded via hf Pactor-3 to the county EOC station, where the report was forwarded to other counties, also on hf Pactor-3. Messages received at the EOC were from Oregon Emergency Management (OEM) in Salem, and Douglas, Josephine and Coos County stations.

Kate KG7WIB composed a good article announcing the upcoming event which was published in the Curry Pilot.

Don Kendall was pleased with the overall success of the event, and there were clearly lessons learned, mostly about the hf digital operation. An after-test discussion will be held at the next PBARC meeting on April 25.

**President's Message...**

Summer Greetings to All. I know we appreciate the nice warm weather to help get all our projects started and finished.

Our SET drill occurred last week, and our net controllers were Bob & Lorraine Wilkinson and Doug Gustafson & Mindy Hamilton. We had many of our members participate. Don Kendall and I were very pleased with the level of our participation here in Brookings. The "SITREP", situation report we sent via PACTOR packet was received in Gold Beach and sent on to other participating counties. We had some problems and will discuss them soon. Now that we know what mistakes we made, we can learn from them. Well done to all who participated!

We will try to have a Field Day event on June 28-29 this year and plan to discuss that at the Activity Center during our meeting on April 25th. Field Day is an annual ARRL event; as you know, it is also a good excuse for a picnic!

Well, more later. Enjoy our great weather!

Thank You and 73s,  
Paul Carlin KE7NVU

**PBARC Sparks**

Published by the officers of  
Pelican Bay Amateur Radio Club  
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President: Paul Carlin KE6NVU  
Vice President: Oscar Marks K6LKK  
Secretary: W7RFC Lorraine Wilkinson  
Treasurer: KE7YUI Larry Mostachetti  
Sparks Editors: W7VN Bob Wilkinson  
W7RFC Lorraine Wilkinson

PBARC  
P.O. Box 6125  
Brookings, OR 97415

Website  
<[www.pbarchams.org](http://www.pbarchams.org)>

Harbor Hills Repeater 146.960 -T88.5  
Cape Ferrello Repeater 146.840 -T88.5  
IRLP Simplex 145.750 Simplex  
PBARC Simplex 147.420 MHz

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Additions, ideas, corrections or suggestions for this publication are appreciated. Please submit them to Bob W7VN or Lorraine W7RFC at [bobnlori@w7tribe.com](mailto:bobnlori@w7tribe.com). before July 15, 2014



**Ready to help!  
Ready to enjoy!**

P.O. Box 6125, Brookings, OR 97415

**PELICAN BAY AMATEUR  
RADIO CLUB  
REGULAR EVENTS**

**Meeting-on-the-air**

Roll Call  
Every Tuesday, 7 pm  
146.960 MHz — (88.5)

**Coffee Hour Fridays**

8:30 to 9:30 am  
at Dee-Ann's Tea Room  
and

**Monthly Meeting and  
Workshop**

Last Friday of each month  
at 6:30PM at

**Chetco Activity Center**

Brookings  
Unless otherwise advised.

**Annual Meeting and Picnic**

Plus election of officers  
Loeb State Park  
North Bank Chetco River

PLACE  
STAMP  
HERE