# SCOPE

### THE PALOMAR AMATEUR RADIO CLUB NEWSLETTER

## Annual Club Auction

by Michelle W5NYV

It's almost October, and that means it's auction time. Come to the General Meeting on October 1st and join the fun!

Where: The Safety Center

Any radio item new or used, working or not (boatanchors included) will be tagged with the seller's information. Both buyers and sellers will register prior to the meeting. Please plan on arriving early to get a look at the auction items. Hams interested in bidding on items will be given a numbered

card to hold up on items they would like to place a bid on. Any further questions can be directed to:

board@palomararc.org

A suggestion heard at the September 2005 meeting: put those address labels you get in the mail to good use by bringing them to the auction. Instead of writing your name over and over, use the stickers instead.

If you have a wagon or other wheeled cart, please consider bringing it in order to transport items more easily into the building. The club will provide one wheeled cart for transporting equipment in and out of the building.

Start planning now for the treasures you'll want to bring and the treasures you'll be sure to find.

Room set-up starts at 5:30pm. As soon as the room is set up, sellers sign in and tag equipment. Bring your stuff early! 6:30 to 7:00pm buyers are registered (required!) and may view the offered equipment.

If you have questions about an item, this is the time to ask it. Inspect equipment before the auction so you know what you are bidding on (write its auction number down!) Auction begins at 7:00pm.

PARC receives 10% of the sale price and there is no other fee for buyers and sellers. Donations to PARC are accepted. All monies are paid to PARC. Seller(s) may set a written minimum bid on their items. Seller is responsible for removing any item(s) not sold. PARC does not guarantee the condition of any item sold.

You don't have to be a PARC member to participate in the auction, so invite your friends to join in on the fun. Sellers will not be paid their money until all monies have been collected that evening, so bring a Self Addressed Stamped Envelope if you want the check mailed to you the next day,

or pick it up at the next club meeting.

In previous years, the auction has been held outdoors (in a surprise move due to a conflict in room reservation), in the smaller EOC meeting room, and in the larger EOC meeting room, and offsite at other nearby locations.



#### **PARC Auction Schedule**

| Room Setup         | 5:30pm |  |  |
|--------------------|--------|--|--|
| Sellers Allowed In | 6:00pm |  |  |
| Buyers Allowed In  | 6:30pm |  |  |
| Auction Starts     | 7:00pm |  |  |
| Auction Ends       | 9:00pm |  |  |

## Save the Date

Club Meeting 1 October 2014

Club Auction. See cover.

#### Board Meeting 8 October 2014

Palomar Amateur Radio Club board meeting at 7:00pm at W6GNI QTH.

### Club Events 12 October 2014

Repeater site work party. See page 3 (right over there!) for details

### Advertisements are free for members

Have items that need to find a new home? Advertise here! Send your ads to scope@palomararc.org

### FOR SALE

Free. Telescoping Antenna Mast, 3 section @ about 10'. Escondido, 760-333-5599 Gilbert Warila



### Come to the Faire

November 2nd 2014 PARC will participate in the Carlsbad Street Faire. Save the date and let Dennis KD6TUJ know if you are available to volunteer at the PARC booth.

The Ham Radio Lunch Bunch meets Fridays for lunch and socializing at any one of a number of restaurants on a rotating schedule.

The Lunch Bunch signup is http://w0ni.com

Reminders are sent out on Wednesdays. All are welcome for food and fun!

Some of the restaurants on the schedule are Fuddruckers, UTC Food Court, Spices Thai, Savory Buffet, Denny's, Callahan's Pub and Grill, and Phil's BBQ.





## Please support our advertisers. Their support of the club is vital.

# Amateur Radio Public Outreach by PARC

Palomar Amateur Radio Club had the opportunity to demonstrate and educate the public at Oceanside Harbor Days, September 27 and 28. This spot was secured by Oceanside CERT in conjunction with the public service display. The location was in the circle near the snack shop near the north end of the parking lots. See page 11 for photos.

On November 2 in Carlsbad, Palomar will be leading more demonstrating and educating during the Carlsbad Street Faire. The Club has been assigned space 1504 in a center row. This will change our setup slightly as the booth will have two open sides. Palomar will offer to SANDARC the chance to join us placing Amateur Radio before the public. In Carlsbad there will be 100,000 chances to become better understood.

If you can help, contact Dennis or Conrad.

Future events are December 6 at a maker faire type event, and December 13 for Operating Day.

Repeater Site Work Party

We are planning on a trip to the repeater site on the second Sunday of October, the 12th.

Meet at 10:00am at Mother's Kitchen. We need as many hands as possible as there are some heavy parts to be unloaded from a trailer.

Please let us know ahead of time if you can help. We would also like to do general cleanup for the winter.

Bring gloves! Hard hat not required.

Don WD6FWE

760 613 5154 and leave a message



The Club surprised Art KC6UQH with a presentation of a plaque to recognize his efforts of support to the Club. Art recently has had some health challenges, and members of the Club pressed to recognize him while we are thinking about all his service that he provides. We did seem to catch him unaware for this recognition.

The plaque is inscribed with the club logo and the following:

Art Mcbride KC6UQH

Thank you for all your support and dedication through out the years to the Palomar Amateur Radio Club. You have been a great Elmer to many. The club, repeater site, and auctions would not be the same without your extensive knowledge of Ham Radio electronics.

73 DE, Palomar Anateur Radio Club Members and Board.

We all need to express our thoughts of gratitude to one another before the chance disappears.

Dennis





## Just for Fun



Rare DX seeks him out.

RF gets exposed to him.

He's heard QRM...once.

He Elmered Tesla.

After he breaks through a pileup - the pileup follows him, not the DX.

He once lost power to his radio. So as to not lose contact, he held the power wire and dragged his feet on the carpet as he talked.

He operates CW with his voice.

Ferrite is made of his core.

He can be found on hf, vhf, uhf and ufc.

Antennas are always resonant around him ... always!

He doesn't need a grounding rod... because lightning knows better.

He once fined the FCC.

He only logs long path QSOs.

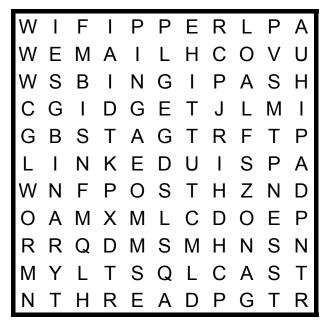
The DXCC committee is considering making a QSO with him a new country.

CAN YOU KEEP IT GOING? HTTPS://WWW.FACEBOOK.COM/GROUPS/HAMOPS/

|   |   | 5 |   | 7 | 8 |   |   |   |
|---|---|---|---|---|---|---|---|---|
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| 5 |   |   |   |   | 3 |   |   | 6 |
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| 2 |   | 3 | 5 |   |   |   |   |   |

### Electronics Riddle:

Can you create a  $4 \times 4$  multiplier with only  $2 \times 2$  multipliers at hand?



ASP, Binary, Bing, CGI, Chat, DHCP, DNS, DSL, E-mail, FTP, GIF, Hit, Host, HTML, IPad, ISDN, ISP, Java, Link, MPEG, Netizen, Perl, PHP, Ping, POP, Post, RSS, Site, SMTP, SQL, Tag, Thread, TLD, URL, Web, Wi-Fi, Worm, WWW, XML

## September's Puzzle Solution



### Repeater Event 18 October

Gary Bollschweiler writes, "On Saturday, 18 October, we will be holding our annual emergency communications exercise in conjunction with the California Great Shakeout. We plan on using the 075 repeater from about 8:30 - 11:30 AM to pass reports from the 14 main divisions of our Church which covers all of San Diego County plus El Centro, to the ERC radio station on Mercury Street in Kearny Mesa. The personnel taking part in this exercise are members of the ERC Tuesday night Net and the MARA Sunday night Net."

PARC board approved this request and asks PARC members who need a repeater during this time to use one of PARC's other 2 meter repeaters.

contact Gary at <wb6gsn@gmail.com>

#### 

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### Palomar Amateur annual picnic in

#### by Dennis KD6TUJ

The annual Palomar Amateur Radio San Dieguito County Park on August great! Don set out the fox hunt radii HF directional was set up on the KD with all the help. Danny came out to Brian and Andrew brought a out a d a Buddy Pole and a couple of radios "twins" to work 40m on a wire dipol turned on with the beam, a signal w from Oklahoma. We turned on the r another direction, and the controller wanted to work. Guess one direction Everyone who came had a good tim

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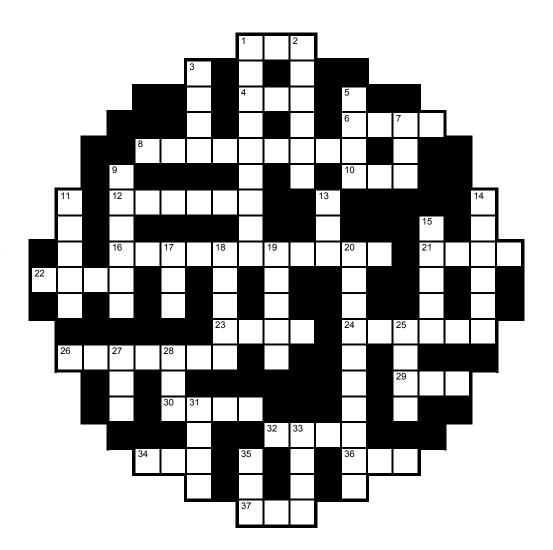
Radio Club the park.

Club picnic was held at t 24, 2014. The day was o provided by Greg. The 6TUJ trailer. It was easy o cook for the members. lipole setup similar to . Ron brought out the e. When the HF got vas picked up right away otator control to sweep to decided that it no longer h is enough for this picnic. e and good company.



#### Across

- 1 What search engines give you. (3)
- 4 Hypertext Preprocessor (3)
- 6 A line of tablet computers designed and marketed by Apple Inc (4)
- 8 What you click on, when following a link. (9)
- 10 In Age of Empires, "Sir! Blame it on your \_\_\_\_" (3)
- **12** Are we spending too much time here? (6)
- **16** Something we all appreciate. Reduces spam. (2,9)
- 21 Asynchronous JavaScript and XML (4)
- 22 Not Hi-Fi, not Low-Fi, but (2-2)
  23 In Jurassic Park,
- 23 In Jurassic Park, "Hey, this is \_\_\_\_\_. I know \_\_\_\_." (4)
- 24 A line of mobile telephones designed and marketed by Apple Inc (6)
- **26** A browser named after a small carnivore. (7)
- 29 MPEG-1 or MPEG-2 Audio Layer III (3)
- **30** Network utility in UNIX that measures host reachability. (4)
- **32** Generic term for text communications. (4)
- 34 The domains at the highest level in the hierarchical Domain Name System of the Internet. Acronym. (3)
- **36** To add words that help search filters. (3)
- **37** Application-layer Internet standard protocol used by local e-mail clients to retrieve e-mail from a remote server. (3)



#### Down

- 1 It's not just ordinary text. It does something. (9)
- 2 Important internet protocol (6)
- **3** You have to have a way to dynamically distribute network configuration parameters. This is a widely used one. (4)
- 5 Specialized encyclopia that anyone can edit. (4)
- 7 What you put on your phone to make it more useful. (3)
- 9 A unique name that identifies an internet resource such as a website (6)
- **11** Credentials. (5)
- **13** A standard method used to generate dynamic content on

Web pages and Web applications. And used in movies too. (3)

- 14 A Web server application notable for playing a key role in the initial growth of the World Wide Web. (6)
- 15 Crazypants! Also an internet corporation. (5)
- **17** Where you go to find answers to frequency asked questions. (3)
- 18 Open source UNIX. (5)
- **19** You probably have a lot of unopened \_\_\_\_\_. (1-4)
- **20** Guidelines to being a better person online. (10)

- 25 What many web pages have as their filename extension. (4)
- 27 A format for delivering regularly changing web content.(3)
- 28 A protocol for transporting files between computers. (3)
- **31** A set of communication standards for simultaneous digital transmission of voice, video, and data. (4)
- **33** At the beginning of many web addresses. Not the secure version. (4)
- **35** Microsoft's first server-side script engine for dynamically generated web pages. (3)



Photos by Greg Gibbs KI6RXX





Congratulations Ron K2RP on a winning score in the Classic Exchange contest! Plus, did you notice he had an article in QST in September? Check out page 95. Snippet of article included below.



Vintage Radio

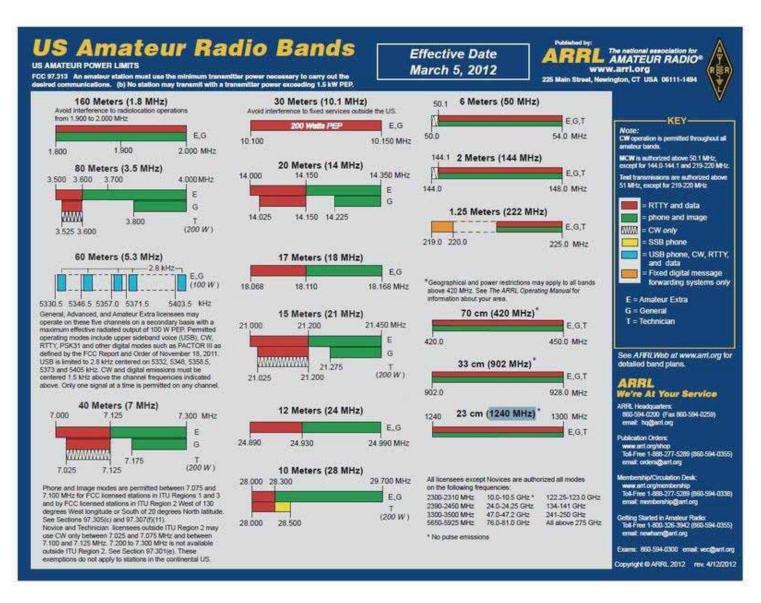
# The Dawn of Single Sideband and the Story of the Drake 1-A

Amateurs embraced an exciting new voice transmission technology in the aftermath of World War II.

#### Ron Pollack, K2RP k2rp@arrl.net

The decade between the mid 1950s to the mid 1960s was marked by great technological changes, especially in the Amateur Radio community. Among the most significant changes was the rise of SSB — single sideband. In a remarkably short time, SSB utterly eclipsed AM to become the most dominant form of voice communication on ous sideband work required improvements in several areas. Remember that this was a time when most amateur stations were equipped with separate receivers and transmitters.

Stability and selectivity became more important than ever before. To demodulate the SSB signal, the receiver's Beat Frequency Oscillator (BFO) needed to re-insert the "missing" carrier. In that environment, even a small amount of drift was enough to make the SSB signal unreadable. In addition, most of the existing receivers did not allow the Automatic Gain Control (AGC) to function when the BFO was enabled. This tended to cause reception problems as well.



Ken Schenk writes in the Palomar Amateur Radio Club Facebook group, "I downloaded the band plan graphic a while ago & edited out the information for Novice & Advanced Classes, since they have not been given out for some time and will never directly affect me. Cleans it up a bit."

| HAM<br>Jose XE2SJB<br>Jerry N5MCJ<br>Joe N6SIX  | KENWOOD<br>rf CONCEPTS<br>DIAMOND<br>US TOWERS<br>KANTRONICS<br>YAESU, MFJ, ICOM<br>BENCHER, Inc.<br>HUSTLER<br>COMET<br>AMERITRON  | Astron,<br>AEA,<br>OUTBACKER<br>Larsen Antennas<br>TEN-TEC<br>Hy-gain, Tri-EX,<br>Cushcraft And Others<br>too<br>Numerous to<br>Mention! | Drop in to see our display<br>of working equipment.<br>Find out about Pkt location<br>determining equipment<br>(APRS). Check our<br>complete line of<br>magazines, ARRL books,<br>license manuals, and<br>Bulletin Board with all<br>sorts of Goodies listed. |  |  |
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You can join or renew your membership on the club's web site http://www.palomararc.org

Editor: Michelle Thompson W5NYV Submissions: scope@palomararc.org Questions? Ideas? Comments? W6NWG@amsat.org

#### **Featured Program:**

At 7:30pm on 1 October 2014, Palomar Amateur Radio Club will present the annual Club Auction.

We look forward to seeing you at the Carlsbad Safety Center, 2560 Orion Way, Carlsbad, CA.

Sign up for the PARC Email Lists:

http://www.palomararc.org/mailman/listinfo