

SCOPE

THE PALOMAR AMATEUR RADIO CLUB NEWSLETTER

Message from PARS A Call for Attendance at Poway City Council Meeting

Greetings to all PARC Club Members from the members of the Poway Amateur Radio Society (PARS).

We are writing to your Club newsletter ask all PARC Club members to support us in our hour of greatest need.

As you are all aware, the PARS members worked long and hard to bring the matter of an amateur radio ordinance to a head, in order to convince the Poway City Council to act so as to become compliant with Federal and State regulations.

The hour has arrived!

On Tuesday August 5th, the Poway City Council will consider two draft versions of what we have worked so long and hard to get approved.

One draft antenna ordinance version is likely to be exactly what Poway hams asked for. The second draft amateur radio ordinance will be somewhat similar but likely contain an onerous provision that one City Council member introduce at the eleventh hour, in response to pressure from the major special interest group that opposes amateur radio antennas in Poway.

The Poway City Council will vote for one or the other.

Poway hams are guardedly optimistic that 3 City Council members remain in full support of the

amateur radio ordinance desired by Poway hams.

In a City Council vote on the choice between the two draft ordinances, as the Council is composed of 5 voting members, the 3 who support the hams' recommendations will outweigh the other 2 votes.

However, this is not a solid position. As politicians, they will bend with the winds blowing at the Council meeting.

We have information that the opponents of amateur radio in Poway will mount a MAJOR PRESENCE at this City Council meeting.

So we beseech PARC Club members to come out in force to attend the Poway City Council meeting on August 5th.

As at the last meeting, PARS will provide at no cost hot dogs and refreshments to all hams and their guests who show up to support the Poway hams.

Meet at the Poway City Hall parking lot at 6:00 PM, Tuesday August 5th. Hot dogs and refreshments will be distributed (no cost), PARS ID badges will be distributed (no cost) to all so that the amateur presence can be clearly counted by the politicians.

The Poway City Hall parking lot is located at 13325 Civic Center Drive , Poway , CA 92064 .

If you have any questions please contact NN3V . He may be reached at NN3V@arrl.net

73 de NN3V
Charlie



Save the Date

Club Meeting

6 August 2014

Conrad Lara KG6JEI will present on BBHN (BroadBand HamNet)

Board Meeting

13 August 2014

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

Club Events

24 August 2014

Palomar Amateur Radio Club Annual Picnic - see page 6 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

FOR SALE

1) Weller EC1002 Solder Station, regular pencil: \$75
2) Weller EC1002 Solder Station, thin pencil: \$65
3) Fluke 83, probes, and case: \$110
Contact kk7kx: assi@kiloxray.com

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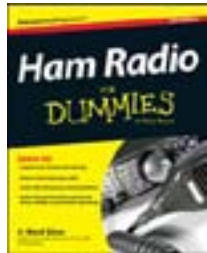


The Flex Radio booth at the 2014 ARRL National Centennial Convention was hopping. Held Thursday, July 17, 2014 through Saturday, July 19, 2014, the convention attracted thousands of people and provided plenty of opportunities for shopping, learning, and socializing. Photo by Bob N4HY.

ARRL Southwestern Division Convention 2014
September 12 - 14,
2014 Special Event Station Call "N6S"



Key Note Speaker 2014 Convention
Ward Silver, NDAX
Author of:



- Highlights
- Tech Forums
 - Amateur Radio Testing
 - Venders
 - Swap meet



The 2014 Convention is at the
Sheraton Four Points San Diego 8110 Aero Dr.

Located on Aero Drive near the Montgomery Field airport which is the Same location of the 2010 Convention.

Ticket prices will be listed starting as “early bird”, “pre-registration” and “door price.” Please check for the upcoming dates. Our convention will feature tech forums, vendor’s exhibits, on site radio station, grand banquet, flea market and many more activities. Check this site often to get the latest news regarding our ongoing convention events.

We Plan to have over \$5000.00 in Prizes...



Main Prize ICOM IC-7600

Field Day Scores

Sheet1

Palomar Amateur Radio Club Field Day Scoring Sheet

Class:		4 A		Web Submission:		50			
Band / Mode QSO Breakdown:						Bonus Points:			
	CW	DIGITAL	PHONE	TOTAL QSO's	TOTAL PTS	Category:	PTS	Multiplier	Total PTS
160M	0	0	0	0	0	100% Emergency Power	100	4	400
80M	22	0	27	49	71	Media Publicity	100	1	100
40M	332	24	157	513	869	Set-Up In Public Place	100	1	100
20M	473	0	306	779	1252	Information Booth	100	1	100
15M	626	0	231	857	1483	NTS To ARRL SM/SEC	100	0	0
10M	45	0	0	45	90	W1AW Field Day Message	100	1	100
6M	0	0	0	0	0	NTS Messages Handled	10	10	100
2M	0	0	0	0	0	Natural Power QSOs	100	0	0
1.5M	0	0	0	0	0	Site Visit Elected Official	100	0	0
Other	0	0	0	0	0	Site Visit Served Agency	100	1	100
Satellite	0	0	10	10	10	Youth Participation	20	0	0
TOTAL:	1498	24	731	2253	3775	Educational Activity	100	1	100
Power Multiplier:		2		Total Band QSO Score:		Satellite QSO		100	
				7550				TOTAL BUNUS POINTS:	
								1200	

Station Scores		
STATION	Total QSO's	Total Score
20/80 CW	495	1980
20/80 SSB	333	666
15/40 CW	958	3832
5/40 SSB	388	776
10M	45	180
6M	0	0
GOTA	43	86
Total QSO Score W/ GOTA:		7520

TOTAL FIELD DAY SCORE: 8886

LY Score	10370	
Difference	-1484	-16.70%
LY QSO's	2752	
Difference	-490	-21.66%

HAM
RADIO
OUTLET

Jose XE2SJB
Jerry N5MCJ
Joe N6SIX

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too
Numerous to
Mention!

Drop in to see our display of working equipment. Find out about Pkt location determining equipment (APRS). Check our complete line of magazines, ARRL books, license manuals, and Bulletin Board with all sorts of Goodies listed.

Directions: On 163, take Clairemont Mesa Blvd. off ramp to East. Stay in right-hand lane. Turn right at stoplight. As you are turning right you can see our beams in this shopping center. Travel 100 yds. On Kearny Villa Rd. and U-turn back to shopping area and HRO sign. Be sure to see our equipment in action on real antennas!

Annual Club Picnic

The Annual Picnic of Palomar Amateur Radio Club is scheduled for Sunday August 24th, 2014 at the San Dieguito County Park Area 4. The Picnic starts at 9 AM and will last through the late afternoon.

Each year the PARC hosts an annual picnic for its members and every year it is great fun. Throughout the year, club members earn participation points for signing in at various club activities like the regular monthly meetings, repeater mountain work parties, operating days, and Field Day. This is the time for club members to redeem those participation points for tickets in the annual picnic prize drawing. A maximum of 20 tickets for each club member is allowed. Club members even get a point for attending the picnic.

The club will provide the main course. Members and their guests are asked to bring an item from the following list and some drinks.

First names beginning with:

A-K: side dish or casserole

L-R: salad, vegetables, or fruit

S-Z: desert, and last names beginning with Lara: BROWNIES.

For those of you who attended the July club meeting, you got to see a great presentation from the Jo and Jo team on Hidden Transmitter (Fox) Hunting. Now is your chance to come out and try it for your self. Transmitter hunting (also known as T-hunting, fox hunting, bunny hunting, and bunny chasing), is an activity where participants use amateur radio direction finding techniques to locate one or more radio transmitters hidden within a designated search area. Think of it like hide and seek, only with ham radios. What could be more fun than that! There will be 2 or more radios hidden within the San Dieguito County Park for those who wish to try their attempt at finding them. One of the radios will be more challenging to find than the other. Who will be the first to find the radios?

Plans are to have an HF radio set up on 10, 15, and 20 meters for those that wish to play around on HF. In the past, at the PARC picnic, we have made contacts with places as far away as Russia. Come out and sea what propagation on the ham bands brings us this year. If Ron K2RP is attending, there is sure to be something neat to see from his vintage collection. In addition

to the annual prize drawing, we will also have a drawing for a 2M radio if enough tickets are sold.

Come and share some good food and great stories, try and find our hidden transmitter, play on HF, and most importantly, come out and have a great time with other Hams from our club.

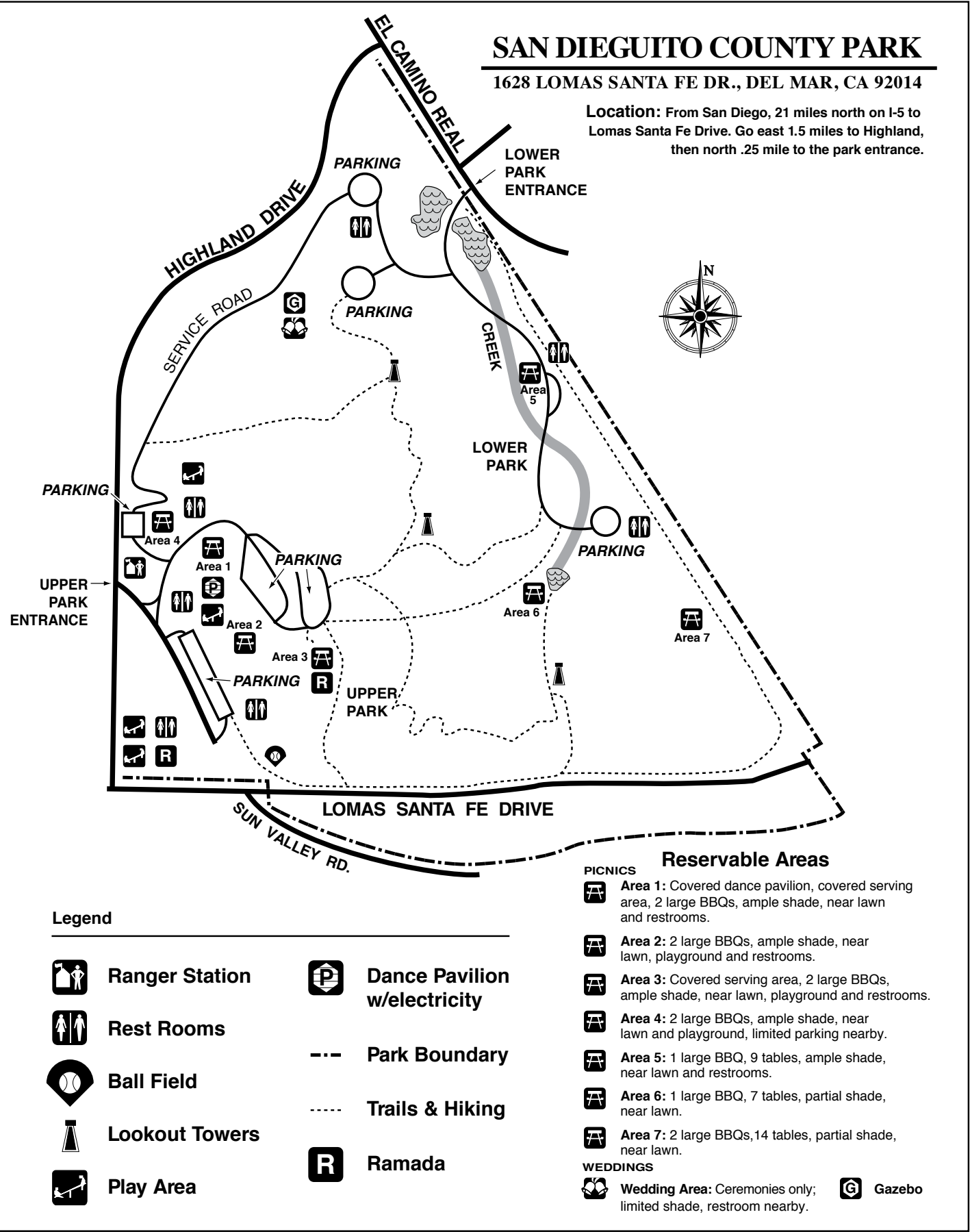
Greg Gibbs KI6RXX, Director #1 PARC

The San Diego County Park System has a free Senior/Disabled parking pass available to county residents. I was unable to find the criteria for being a senior, but when I got mine a few years back, I just asked for it and they didn't ask questions! Maybe I'm obviously old!

So, when you arrive at the park and are asked for the parking pass, even if you just look like a geezer, ask for your pass, which is permanent and valid throughout the county park system.

Ron K2RP

It is not too early to start thinking about who will serve as the President for the next year. Dennis will not be available due to health concerns expressed by his wife. (Longevity will be severely shortened if he continues.) Please consider who can serve.





Lunch Bunch Tour of RF2B

Hosted by Mats AG6CV, the Lunch Bunch dined at Karl Strauss Brewery and then toured the RF testing facilities at RF2B. See page 11 for how to join the Lunch Bunch.

The tour of RF2B started in the screen room (Faraday cage). At left, Howard KY6LA checks the signal strength on his cellular phone. Sure enough, it lost the signal when the screen room door was closed. Photos by Paul KB5MU.



Just a fraction of the equipment inside the screen room.



This is a dedicated 5/16" torque wrench specifically for tightening SMA connectors.



This rack of equipment simulates a DirecTV satellite system for receiver testing.



Mats AG6CV explains the Smith Chart display mode of the network analyzer.



Mats AG6CV describes the CNC router (with automatic tool changer) for making prototype circuit boards.



On top, a box of coax loss. On the bottom, a communications analyzer (bit error rate tester and more).



Lunch bunchers touch the circuit under test and watch the Smith Chart shift around in real time.



More of the equipment inside the screen room.



The lunch bunch gathered at Karl Strauss.



Table two at Karl Strauss. Photos by Paul KB5MU.

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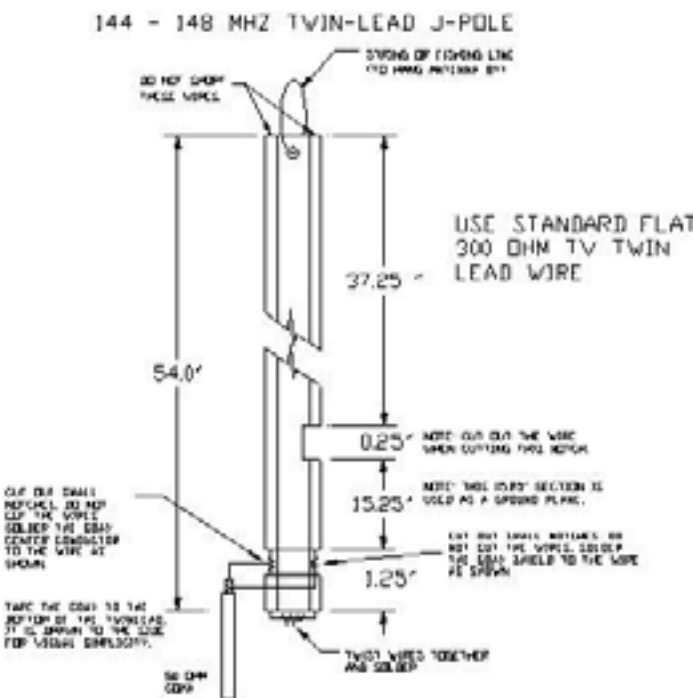
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The Ham Radio Lunch Bunch meets Fridays for lunch and socializing at any one of a number of restaurants on a rotating schedule. The Lunch Bunch signup is <http://w0ni.com>. Reminders are sent out on Wednesdays. All are welcome for food and fun!

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.

Go Kit Advice

by Ron Wright
Here is a J-Pole for 2m made from 54 inches of 300 Ohm twin lead. Is good antenna for working inside a shelter. It can be rolled up into a 6" diameter package for storage and extended when needed and hung from a support, such as a ceiling. Simple and easy to get working. Good addition to your VHF go kit.



Bicycle Mobile

by Michelle W5NYV
Here's my bicycle mobile installation that I use at Burning Man. There's a 2m/70cm whip antenna attached to the pannier platform on the rear wheel. A feedline is attached to the main top tube. It's currently secured with caution tape. The feed line connects to the handheld through a converter cable. The handheld is in a velcro container up near the handlebars.

In previous installations, I have used earpiece vox to operate the radio, but this didn't give good results. The background noise never really falls below a reasonable set point for vox. Also, the audio environment at many places I ride is unpredictable, so using vox is really not the best idea.



BICYCLE MOBILE VIDEO TOUR (ONLINE VERSION)

Wartime Horseback Mobile Station



Bicycle Mobile Landmarks

At left, the transition from feedline to adapter cable for the handheld.

Below left, a substantial amount of feedline coiled up on the rear pannier deck, just in case! Diamond antenna with trunk-lid mount is installed.

Below right, the detail of the case that holds the handheld to the handlebars.



Club Email Discussion and Announcement Lists

by Michelle W5NYV
PARC has two email lists. The two lists offer additional ways to stay up to date with your fellow amateur radio operators. Signing up is very simple.

Go to
<http://www.palomararc.org/mailman/listinfo>

Click the link corresponding to the list you want to sign up for.
Fill in the form, and you're on the list.

PARC-Announce is a very low-traffic mailing list for announcements approved by the club. Expect only a few messages per month, maximum, including a notice about each club meeting. If you have an announcement you'd like to have published to this mailing list, please send your request to

board@palomararc.org for approval

PARC-Talk is an open list for PARC members to discuss anything related to amateur radio and to the club. Please post in plain text. Don't attach files.

We will not use Scope-notice, Scope-pdf, Meeting-remind or any other mailing list for unsolicited messages or announcements.

Don't forget - PARC is on Facebook too!

Find us at <https://www.facebook.com/groups/194674987710/>





NOTICE OF PERMIT APPLICATION

REQUEST FOR: A SITE DEVELOPMENT PLAN (SDP)

FOR A 29,983 SQ FT. DEPARTMENT OF MOTOR VEHICLES FIELD OFFICE.

CASE NUMBER: P14-0005

APPLICANT: Rancheros Commercial Park

FOR FURTHER INFORMATION REGARDING THIS APPLICATION, CALL (760) 744-1050, EXTENSION 3204

DATE POSTED: JANUARY 31, 2014

Got Site?

We've known for a while that our time at the San Marcos site would come to an end. This (mostly) level, high-visibility site will finally be developed this coming year.

That means it's time for a new chapter in PARC's Field Day adventures. Where should the club have our next Field Day?

Send your ideas to board@palomararc.org

We need volunteers to make it happen for 2015! Sign up now and be a part of it all.

Check Out PLARC

Hello,

Just trying to get the word out about our club up on Pt. Loma in San Diego...
Here's our details:
PLARC (Point Loma Amateur Radio Club)

Public Facebook:
<https://www.facebook.com/pages/Point-Loma-Amateur-Radio-Club/1805469812927803>

W6RDF is the call sign of the Point Loma Amateur Radio Club's radio station in San Diego, California. This call sign is used for all radios/repeaters operated by the club and its members. The club maintains both a 2m repeater and Amateur TV.

2M Amateur Repeater:

Input Frequency 145.380 MHz
Output Frequency 144.780 MHz
Subaudible Tone (CTCSS) 107.2

Location:

Latitude 32.420035N
Longitude 117.145412W
Grid Square DM02pr

Amateur TV Repeater:

Input Frequency 434.0 MHz AM
Output Frequency 1277.5 MHz AM

Thank you,
Brian Jester
KB8UIP & VE3SPG

Test Session News

by Paul KB5MU
On Friday July 18, an ARRL Volunteer Exam team converged on a gymnasium building at Camp Margarita on Camp Pendleton to give a group of twelve U.S. Naval Sea Cadets a second chance to pass their amateur radio license exams.

Participating were Paul KB5MU, Jim NE6O, Rich NI6H, Dave KI6LKP, and Teri W6TRB. Five of the cadets and one of the adult leaders passed Element 2 and obtained their Technician class licenses, and two others passed Element 3 to upgrade from Technician to General class.

Unfortunately, the other cadets were still not well prepared to pass the exam. Their teacher, Rodger Morris AE6JC, was elated by every success and counseled perseverance for every failure. "If you're not dropping the balls, you're not learning to juggle."

**Palomar Amateur Radio Club
Annual Auction**

Always in October!

**Bring your tired items,
your can't-get-round-to-its,
your duplicates,
your what-is-its.**

**They get a new home, and
you get some cold cash.**

1 October 2014 at 7:00pm

SCOPE
P.O. Box 73
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PERIODICALS

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You can join or renew your membership on the club's web site <http://www.palomararc.org>

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Submissions: scope@palomararc.org

Questions? Ideas? Comments? W6NWG@amsat.org

Featured Program:

At 7:30pm on 6 August 2014, Palomar Amateur Radio Club will present a program. Conrad Lara KG6JEI will present on BBHN (BroadBand HamNet). Topics to include what we have learned in the past year, what progress we have made, where we have deployments, where we are going and most importantly how you can start experimenting with this new mode of communication.

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>