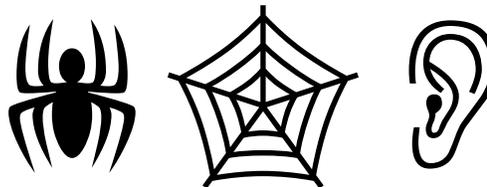


SCOPE



Volume 32, Issue 10

Halloween Edition October 2005

October Club Events

W5NYV

terrenus scriptor

It's October, and that means it's auction time. Come to the General Meeting on October 5th and join the fun! Christy Martin writes, "Any radio item new or used, working or not (boat-anchors 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. Art McBride KC6UQH will be the Man of the Hour® and Auctioneer for the evening. Be prepared to be entertained with interesting stories and trivia know only to the ham world. Any further questions can be directed to Tom Martin - KG6RCW, rbg4@aol.com." A suggestion heard at the September 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. Room set-up starts at 6:00. As soon as the room is set up (shortly after 6:00): sellers sign in and tag equipment. Bring your stuff early! 6:30 to 7:00: buyers

continued on page 2

INSIDE THIS ISSUE

- 1 President's Message, Club Events and Reports
- 3 Newsletter Challenge and Contest Calendar
- 5 Current Needs in the Club
- 6 BPL Update – SDG&E's Pilot Project
- 7 Club Classified Advertisements Page
- 9 SET Report and Microwave Update Preview

President's Message

Steve Early AD6VI

PARC President 2005

We all have seen pictures the devastation caused by Katrina on the Gulf Coast. Many of us want to help, and have asked what role amateur radio is really playing in the relief efforts. I am fortunate to have heard from two PARC members that have been deployed, Mary Meade KG6ZLW of Valley Center CERT and Sara Jones, KG6TUK, a PARC Member and San Diego/Imperial Counties ARC Volunteer. MARA was deployed to Alabama to support FEMA and Sara was deployed to the Gulf Coast to coordinate Red Cross efforts with other agencies and organizations. I think it best to let you read Sara's words on the amateur radio presence.

"Steve, Here are my thoughts and perspectives on the amateur radio presence in the Gulf Coast. It's more than a paragraph but I hope it helps.

When I first arrived at the American Red Cross headquarters in Montgomery, AL, my time and energy were occupied with getting up to speed and fully engaged with the Partner Services group and its activities. After a couple of days, I looked up and against the far wall, the ARRL ham radio group was also gearing itself up. At first, there was a single hand written poster announcing their presence and then after a few days came the bold and reassuring ARRL banner. The equipment had been there since the beginning, but folks at headquarters were just coming to notice their presence. Soon a flyer came around announcing the arrival of 4 of the 9 Emergency Communication Response Vehicles (ECRV) that some of you may recall being introduced to when Bob Birch did his presentation for PARC on the American Red Cross. These ECRVs, strategically positioned were ready to take and relay emergency traffic from Montgomery, AL to anywhere along the Gulf Coast. They had a schedule of when they would receive traffic and we were to ready our messages for those times of the day. I was impressed by this organization and happy to have them on board at the headquarters. Then, just as Ophelia was raising her ugly head and threatening to run the same path as Katrina, came the

continued on page 3

Continued from page 1

register (required!) and 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 7pm. 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.

September Program Review

Art McBride hosted our September 7th Program "ATV and Microwave" at Foothill Oaks Elementary. Using a projector for both still photographs and a short video,



he outlined the basics of the current state of the art (pun intended) in Amateur TV. The second half of the program was show-and-tell microwave portables, presented by their proud owners and operators.

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Printed October 2005 issue of SCOPE

(Mailed Sept. 2005) Signed: A.L. Donlevy Publisher 09/28/2005

Work Party Announcement

The next regularly scheduled repeater site work party will be Saturday, October 8th, 10am-12pm. Optional - Meet at 9am at Mother's Kitchen for breakfast, socializing, and pre-planning session. This work party will focus on the tower and a selected few antennas and feedlines that need refurbishment. Progress on packet and autopatch continues with all autopatch repeater boards except the "Backup board" passing functional tests. Special thanks to Jerry Houser WB6FMT for his assistance with the autopatch board-level tests. Volunteering for a work party is worth two participation points to the club. Volunteering your time to help maintain the repeater site is greatly appreciated as it makes a huge difference to the vitality and effectiveness of our local amateur radio community.

Message from Steve Early

October has arrived, with it comes annual events such as Halloween and the annual PARC Auction! This year, the auction will be held at our temporary meeting place, Foothill Oak Elementary School, 1370 Oak Drive (corner of Oak and Foothill) in Vista, on Wednesday, October 5th. Talk-in will be on the 146.730 MHz repeater. This is a prime time to introduce a friend to Amateur Radio. Auctions are always fun for everyone. Looking down the road: In November, we expect to return to the Carlsbad Safety Center, for a program on Power Management and "Go Kits", as presented by Marvin Munster. 📡

NEWSLETTER CHALLENGE

Hidden somewhere in this newsletter is a code. It has something to do with amateur radio, or amateur-radio-related activities. It could be numerical, literal, or symbolic. Crack the code correctly, and you will be credited in next month's SCOPE! Got a photo to submit for a Photo Challenge? Let us know!
scope@palomararc.org 📧

CONTEST CALENDAR

Oct 1 TARA PSK Rumble
Oct 1 Oceania DX Contest, SSB
Oct 1 EU Autumn Sprint, SSB
Oct 1 California QSO Party
Oct 2 UBA ON Contest, SSB
Oct 2 RSGB 21/28 MHz Contest, SSB
Oct 3 German Telegraphy Contest
Oct 5 YLRL Anniversary Party, CW
Oct 5 432 MHz Fall Sprint
Oct 6 SARL 80 Mtr QSO Party
Oct 8 Makrothen RTTY Contest
Oct 8 Oceania DX Contest, CW
Oct 8 EU Autumn Sprint, CW
Oct 8 Pennsylvania QSO Party
Oct 8 FISTA Fall Sprint, CW (or course)
Oct 9 North American Sprint, RTTY
Oct 9 UBA ON Contest, CW
Oct 10 10-10 Int'l Sprint
Oct 14 YLRL Anniversary Party, SSB
Oct 15 JARTS WW RTTY Contest
Oct 15 Microwave Fall Sprint
Oct 15 Worked All Germany Contest
Oct 16 Asia-Pacific Fall Sprint, CW
Oct 16 RSGB 21/28 MHz Contest, CW
Oct 16 Illinois QSO Party
Oct 22 ARCI Fall QSO Party
Oct 22 50 MHz Fall Sprint
Oct 29 CQ WW DX Contest, SSB
Oct 29 10-10 Int'l Fall Contest, CW
Oct 30 FISTS Coast to Coast Contest
Wow! What an array on contests. CW, PSK, RTTY, SSB, Six Meters, 70 Centimeters. What more could One ask for? For complete rules see QST, CQ, NCJ, And Worldradio magazines. CU in the contest, 73, Harry, W6YOO 📧

message from the national weather service that the solar flares would be the strongest in history over the next 2 – 14 days. We were already having a difficult time with cell phones and what not but that was not going to deter the operators. They had a plan and they were ready to adapt if necessary and do what was necessary to make sure that there were communication lines open 24/7, and as often as nature would allow.

When I was reassigned to the Gulf Coast, I watched the ham radio operation in action from a different perspective. Radio operators out of Indiana or Idaho had been tasked to set up shop outside the headquarters in southern Mississippi. The silver bullet of a communications vehicle, an old RV turned mobile rig, had a satellite dish and was transmitting messages along the Gulf Coast and back up to Montgomery. Operators in familiar yellow polos had light weight laptops with down-to-the-detail exact topographical maps of the disaster area and the repeater locations and were helping not only to transmit traffic, but sharing with the volunteers the safe ways to travel and those to avoid, because they made it their business to know. These operators were essential in many areas because the devastation was so complete that it would be weeks before phone lines or cell towers were back up. The American Red Cross volunteers, assigned to be in the field, were able to have when they needed it, an ARES member 'on their hip' to follow them around through the devastated areas and relay the traffic back to the southern headquarters and then out again to where it needed to go. It was impressive to me, as a relatively new operator, to see this kind of essential, up-to-the-moment communication happening at such a high caliber of skill and professionalism.

Beyond what amateur radio could and was doing for the relief operation, I was grateful for the presence of amateur radio on a different level. When I first left San Diego, I was not sure where I was to be assigned and Dennis (N6KI) and Harry (W6YOO) gave me the frequencies to look out for while down in the devastated areas, should I need them. Of course, my handie talkie would only get me so far, but in that lies the motivation to get my General license! Once I was leaving a relatively unaffected Montgomery and heading to the area where Katrina made land fall, it was very reassuring for me to be able to go over to the ARRL table, give the gal behind the rig my call sign and that of Bob (KG6RGI) and Tom (KG6RCW) here back at home and ask her should anything happen to me to get hold of these two gentlemen and they'll help however they can. Priceless.

I am very grateful that I have been introduced to the world of amateur radio and to know that there is a community of people around the nation – and the world - that is at the ready to be there when that call is made or to make the call. I am also blessed for all of you in the San Diego area, no matter your amateur affiliation, and all of the work that you do and the mentoring that you give me and others so that that community of amateur communicators grows and thrives. Thank you.

73 Sara Jones KG6TUK" 📧



Nets



Regular On-the-Air Nets sponsored by the Palomar Amateur Radio Club.

DAY	TIME	FREQ.	NET NAME	NET MANAGER CONTACT INFORMATION
T/R/S	2000	146.730	NTS Traffic Net	Charles N6TEP cmiele@juno.com
Sunday	0830	146.730	ARES Sunday Net	Dennis K7DCG
Sunday	1000	146.730	Sailor's Net (stay tuned)	Paul NN6X@amsat.org Rod AC6V@amsat.org
Sunday	2045	147.075	MARA ES	Glenn Jones KG6JDF@amsat.org
Monday	1915	146.730	RACES Sub-Net	
Monday	2100	146.730	Microwave Net	Kerry B.
Tuesday	1900	147.130	Red Cross Net	Ted tthompson@sdarc.org
Tuesday	2100	146.730	Off-Road Net	Jerry A. K6PFP jwak6pfp@cts.com Dick W. KA7AYT rwillimek@home.com
Thursday	1930	147.075	Young Hams Net (inactive)	
Thursday	2100	146.730	Ham Help (need ops)	David D KC6YSO@amsat.org
Friday	2100	146.730	Hiker's Net	Ed KF6DXX@juno.com Glenn P. KE6ZLY@juno.com
Nightly	>2200	147.130	Facetious Group	
Saturday	2000	52.680	6Mtr Emergency Services Net (inactive)	

Other nets that might be of interest to the membership

DAY	TIME	FREQ.	NET NAME	NET MANAGER CONTACT INFORMATION
Mon-Fri	2000	28.340	10 Meter Net	Dennie WA9MTP

Net Participation Tracker – A convenient form for participating in PARC nets

NET	DATE	NOTES

Repeater Information

PARC Trustee: AB6QT
52.680 W6NWG -0.5 MHz
Autopatches: 146.730-, +147.075+,
*+147.130+, *447.000-
PKT: +145.050s (PALOMAR/W6NWG-1)
146.700- (Duplex Pkt) PALBBS/EMG use
+145.070/146.700- (W6NWG-3/PALBBS)
ATV input: 915 wbfm, 2441.25 wbfm
ATV output: 1241.25 MHz am
Intercom: 146.415 PL 79.7 nbfm
Affiliated: 224.380-, 224.940 KK6KD (HARS)
447.050-, 145.260 KK6KD (HARS)
146.175+ N6FO (Fallbrook ARC)
Linked to: 445.600-, 224.900- WD6HFR
(Corvair/220 ARC), 446.140- WB6FMT (123.0)
Vista **tunder repair * 107.2 Hz PL Tone**

License & Class Information

Register 5-7 days in advance for the following test sessions.

☛ PARC Testing is in Carlsbad on the 2nd Saturday of the month at 9:30am in the Fire Station at the Carlsbad Safety Center.

Contact Rusty Massie AA6OM at 760.747.5872 or dunedancer@cox.net.

☛ EARS Testing is in Escondido on the Last Saturday of the month at 9:00 am at Fire Station #1 Escondido Fire Department. The address is 310 North Quince Street, Escondido CA 92025.

Contact Harry W6YOO 760.743.4212 or W6YOO@amsat.org.

☛ "The ARRL Technician Class Course for Ham Radio Licensing" Course No. EC-010 \$99 ARRL members / \$139 non-members. Courses begin on the first and third Tuesday of each month. For more information, email cce@arrl.org or via regular mail to ARRL CCE, 225 Main Street, Newington, CT 06111.

PARC 2005 BOARD

PRES: STEVE EARLY AD6VI
(619) 461-2818 AD6VI@COX.NET
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(858) 484-8579 KG6EQU@AMSAT.ORG
SITE TECH: MIKE DOYLE AB6QT
(760) 742-1573 AB6QT@AMSAT.ORG

(handles billing for advertisements in SCOPE). Del Mar Fair participation Chair. 2006 Field Day Chair. Newsletter editor. Publicity Chair. QSL card Chair. Ham Help Net Operators. And, an assistant southwest division director.

We are actively seeking people for these positions. If you or someone you know has expressed interest in getting more active in amateur radio, these positions are excellent ways to fulfill that wish! ☛

CURRENT NEEDS

Volunteers are needed for the following club positions. Billing Chair

HAM RADIO

Tom KM6K
Ron N6OMW
Jose XE2SJB
Bob KA6EKT

H
R
O

OUTLET

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Fold and Staple Crew

Last Month's Fold & Staple Crew KR6BT Merle, KB6NMK Jo & Toby, W6GNI Al & Kathy, and W6YOO Harry. Thank you so much for your help!

September Goodie Givers

W6YOO Harry, KI6AOL Christy, KG6RC Tom

Meeting Attendance

September Meeting 2004 57

September Meeting 2005 68

BPL Update

W5NYV

San Diego Gas & Electric has not, at this time, applied to be a BPL provider in San Diego County. However, they are running a pilot project in their Kearny Mesa office (zip code 92123) in order to test the BPL equipment for utility applications. The frequencies of the operation are 2.5 MHz - 38 MHz. The pilot project involves only SDG&E employees and began August 31, 2005. This pilot project has a working group. One of the members of this working group is the ARRL, represented by Jim Stevenson.

The manufacturer and type of Access BPL equipment and its associated FCC IDs are as follows. PLC Access

Node (90-0005-XXX)

Verification in progress. PLC CPE Modem (56-001X-XX)

Verification Process by third-party laboratory. Device complies with FCC Part 15 Rules. All other components are not subject to FCC verification and certification.

The contact information of the person responsible for facilitating the resolution of any interference complaint is Terry Snow, phone: (858) 654-1296, email bplpilot@sdge.com

EE Times reported September 12th "San Diego Gas & Electric said in late July that it would begin a small pilot project this month, using broadband access internally in its Kearny Mesa, Calif., office to test internally a data service that it might later offer to customers." However, Terry Snow, in an email, described this information as incorrect. ☹

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4CX250B & R – 4CX400A

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(9.13) Ham-friendly property FOR SALE. www.pettus.us

(9.12) FOR SALE Cubic Astro 150A fix or mobile 10-80m SSB 100w PEP with DS and Manual \$250.00. Kenwood 2m transceiver Model #TR-7330 5-25w w/auto patch mic MC-46, ARX 2m ant, manual \$150.00. Astro PS7A w/manual \$25.00. Cubex 4 el Quad 30' boom w/Quad arms, fiberglass spreaders, instruction manual \$100.00. Shure mic w/stand ptt \$20.00. Heathkit phone patch model #HD 15 w/manual \$25.00. Remote ant SW motor driven 6-position coax w/control box \$100.00. Dummy load 1kw +/1 \$10.00. Fluke multimeter model #77 w/manual \$65.00. Brak-D-Lay for Hy-Gain rotor w/instructions \$15.00. Contact Kris W6KTE (760) 941-3555

(9.10) WANTED: for the Crest Radio Museum. BOATANCHORS!!! Also need a Heathkit SB-101/102, RX-1/TX-1, VF-1 and DX-100. Operating condx not a problem. Desperately need the following 2-meter radios to complete the collection: Icom IC-20, Trio TR-2E & TX-26, Sonar CD-2, WRL Techciever, Robert Dollar 2M, Kenwood TR-2300 & TR-7100, Tempo FMA Anyone have these and would like to part with them? Contact WA6MHZ at wa6mhz@arrl.org or Landline (619) 593-1111

(8.1) WTB a 40'+ pushup pole in good condition... Please contact me: cstein6@cox.net or (858)349-9919 Charles KG6VVM

(7.17) (1) Hy-Gain Dynamic Microphone Model #610 \$30.00 OBO. (1) Realistic Stero AMP. Model #SA-10. \$15.00 OBO. (1) Frequency-Counter Model #711 115 VAC or 12 VDC \$35.00 OBO. Please call Bayard K6GAO (858) 755-5507. Thank you.

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See catalog at www.Palomar-Engineers.com
Please check our complete ads in **QST**, **73**, **CQ**, and **World Radio** magazines.



W6NWG – top of tower

(7.15) Wanted: CQ Magazine for May 1959. Beg, Borrow, or Buy. Would consider entire year of '59 and possible older issues. Bob Byrnes KE6MTT email rbyrnes@pacbell.net

(6.27) 300 Laser Movies, email for a list, first come first sold, \$7.00/each. Contact Dennis K7DCG, (858)748-9046 or email K7DCG@AOL.com.

(6.25) FOR SALE (1) Uniden Bearcat Scanner Radio Base Model #BC890XLT with antenna and Power Supply for AC use. Asking \$100.00 OBO. FOR SALE (1) Uniden Bearcat Scanner Radio Model #BC760 XLT Mobile with antenna and 12 VDC Power Cord. Asking \$65.00 OBO. Please contact Bayard K6GAO at (858) 755-5507.

(6.20) Test equipment including H/P 141 T Spectrum Analyzer, Parts including large spacing variable capacitors, Antennas, Antenna rotators, Tools and more for the Ham Shack of Jim, K6ML. Contact Art, KC6UQH for appointment to see (760) 758-6062 Evenings and Weekends. 📡



KF6C Presenting at September Program

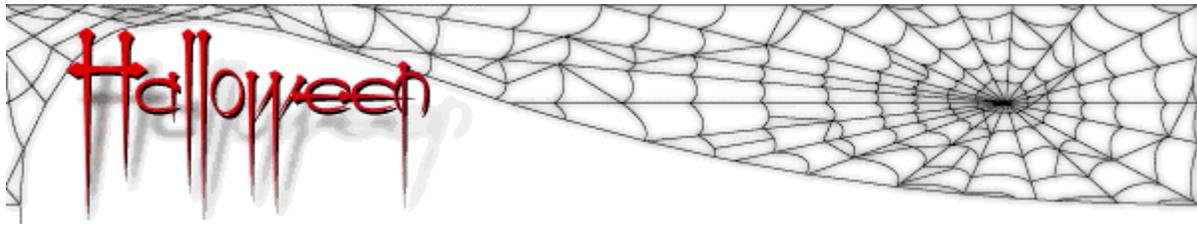
Committee Chairpersons

ARES Info	Tony	KC6YSPa
ARES Net	Dennis S.	K7DCC@amsat.org
Attendance	Al	W6GNI@amsat.org
ATV	Art	KC6UQH@amsat.org
Auction	Tom M.	KG6RCW@amsat.org
Badges New	Al	W6GNI@amsat.org
Batteries	David	BK6EYDAT@Gerry.Palomar.caltec
BBS Monitor	Bill B.	N6FMK@amsat.org
Billing Ads/etc	needed!	K6GVM@arrl.net
Contest Info	Dennis V.	N6KI@amsat.org
Control Ops	Filled	W6NWG@amsat.org
Del Mar Fair	needed!	
Emergency Com Centers	Harry	W6YOO@amsat.org
	Dennis V.	N6KI@amsat.org
Field Day	needed!	
Field Day Tech	John K.	WB6IQS@amsat.org
Inventory	Dennis B.	KG6TUJ@amsat.org
New Member	filled!	TBA
Nets	PARC	Board@palomararc.org
Newsletter	needed!	W5NYV@amsat.org
Patch Info	Stan	W9FQN@amsat.org
Patch Electronics	Jerry H.	WB6FMT@amsat.org
Picnic	Mark R.	KF6WTN@amsat.org
Power AC/DC	Mike P.	K6MRP@amsat.org
Programs	Dennis B.	KG6TUJ@amsat.org
Publicity	needed!	
QSL Cards	needed!	
RACES Info	Jo A.	KB6NMK@amsat.org
RED Flag	Steve	AD6VI@amsat.org
Repeater Site	Michelle	W5NYV@amsat.org
Repeater Tech	Mike D.	AB6QT@amsat.org
SANDARC	Jin/Steve	NE6O/AD6VI
Seller Table	John K.	WB6IQS@amsat.org
Asst. SWD Dir	needed!	
Testing VE	Rusty	dunedancer@cox.net
Training	Mike D.	AB6QT@amsat.org
Trustee	Mike D.	AB6QT@amsat.org
Web	Paul W.	www.palomararc.org



300 ft. microwave tower, owned by amateur radio operator AD5T in Mississippi.





2005 ARRL SET Report

Section Emergency Test was held 20 August 2005

W5NYV

On Aug 20th, Tuck NZ6T (Section Emergency Coordinator) kicked off the Section Emergency Test (SET) at 7AM from the Elks lodge EOC in El Cajon. The scenario presented was that a 7.1 magnitude earthquake had heavily damaged San Diego and Imperial counties, with many bridges out and roads blocked. Respondees were directed to go to either the Lyons Peak 146.265 or Palomar 146.730 repeaters to find out how they could help and where they were to report. Authentic-sounding traffic was passed to participants who responded from their homes, as no one was pre-staged for this event. Almost 30 hams participated in the SET. By comparison, there were approximately 80 ops for the Cedar fire. During the drill, additional personalized scenarios were developed for participants. These additional roadblocks were used to engage individual problem-solving skills. In particular, one ham was advised that his tower had just collapsed. Another ham was told that his car battery had died. His very fast reply was "I just hooked jumper cables to the car beside me." As you can imagine, the response from the ham whose tower had collapsed was somewhat unprintable in a family publication!

Although the purpose of the SET is similar to Field Day, there are some important differences. Where SET relies upon mobiles and portables with little utilization of HF, Field Day involves setting up in a "field" and is primarily a HF contest. SET contacts are highly regionalized, while Field Day contacts span the entire nation (and Canada too). SET may not exceed 48 hours. Field Day is always the fourth full weekend of June. It begins at 1800 UTC Saturday and ends at 2100 UTC Sunday. Both operations are extremely worthwhile practice opportunities for emergencies. 📡

Microwave Update

A Comprehensive Microwave Conference to be held in Cerritos, CA 27-30 October 2005

W5NYV

Article sourced from Microwave Update website

The agenda for the upcoming conference "Microwave Update" includes technical talks, swap meets, a Goldstone Deep Space Tracking Tour, and a banquet.

Thursday October 27 is the Goldstone Deep Space Tracking Complex tour. Pre-registration is required for this exclusive MUD-only event. Deadline is September 30. If have already registered and you would like to go on this tour, please send an e-mail to mud-2005@ham-radio.com An informal Surplus Tour will also run on Thursday. Meanwhile, Family Activities will be held, including tours, outlet mall shopping and coffee gatherings.

Event website <http://www.microwaveupdate.org>

Technical forums and presentations dominate the schedule of Friday, October 28. World-renowned microwave hams will present a wide range of topics from the latest EME experiments and getting operational on the upper microwave bands to practical solutions and scrounging surplus parts for microwave band rigs. In the evening, there will be a microwave swap and trade meet indoors.

The world-famous TRW Swap Meet occurs early Saturday morning, October 29th. Since you are already in the neighborhood, you may as well stop by to see what the buzz is all about. The WSWSS yearly meeting will begin in the morning while the TRW Swap Meet is going on. MUD Technical talks continue, with the MUD Banquet in the evening. Dr. Bill Weber N6CI, Director of Interplanetary Network NASA/JPL, will present "Solar System QRP with NASA's Deep Space Network." 📡

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About our Newsletter

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Submissions: scope@palomararc.org

Questions? Ideas? Comments? W6NWG@amsat.org

About our Organization

The Palomar Amateur Radio Club serves the Amateur Radio community of San Diego County California with repeaters located on Palomar Mountain. The club has monthly meetings, Field Day festivities, an annual auction, and many other fun and interesting functions. All are welcome at our club meetings and on-the-air interactive radio nets which now feature discussion groups on hiking, sailing, microwave, off-roading, as well as traditional message traffic and emergency communications nets (RACES - ARES - MARA).

73 and hope to CU you on the air! –NN3V

Meeting Location and Time

Monthly General Meetings are held at Foothill Oak Elementary School, 1370 Oak Drive (corner of Oak and Foothill) in Vista on October 5, 2005 (the first Wednesday of each month). Talk-in on 146.730 MHz repeater. This month will feature our annual auction. **Meeting starts at 1800 for sellers, 1830 for buyers.** Ridesharing and coordinating for dinner beforehand often occurs on the repeater on Wednesday afternoons. Everyone is welcome!