

J U L Y 2 0 0 9

# SCOPE

A newsletter by and for the Palomar Amateur Radio Club of San Diego, California.  
See SCOPE in color on our website at [www.palomararc.org](http://www.palomararc.org).

## Annual Picnic



**15 August 2009 at San Dieguito Park. Food, Foxhunting, and Club Station.**

**Bring Food according to Starting Letter of Last Name:**  
**A-K:** salad, vegetables or fruit  
**L-R:** side dish or casserole  
**S-Z:** dessert



## July Highlights

Cub scout camp needs volunteers to play radio with the boys during their day camp. See page 3 for details. We expect to hear a short presentation about the camp at the July PARC meeting.

Starting on page 5, read Glenn Rattmann K6NA's excellent and moving memorial to "Uncle Ed" Edwin A. Andress W6KUT, who became a silent key on June 9<sup>th</sup>.

Read a VHF Contest Report from Loren AD6ZJ on page 7.

There is a San Diego Microwave Group achievement described on page 8. If you have any interest in microwave, then you should know about this weekly net and monthly microwave meeting.

Check out the back page for details about our next meeting. The 1 July 2009 meeting will feature an Amateur Radio Quiz Competition! There will be prizes and zaniness. Don't miss it.

## Save the Date!

### Club Meeting

**1 July 2009**

Quiz Night! Bring your wits! Create or join a team of 3. See back page.

### Board Meeting

**8 July 2009**

At W6GNI QTH. Meeting starts at 7:00pm.

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San Dieguito Park Area 4. Food, Foxhunting and Club Station!

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Above, at last year's Annual PARC picnic, KD6TUJ Dennis, KG6JEI Conrad, and AD6VI Steve use an MFJ antenna analyzer to adjust an old-school Drake antenna tuner to a good match. Photo by KB5MU.



At left, at last year's annual PARC picnic, Art KC6UQH tunes in a microwave voice contact, while using the handheld for liaison. Photo by KB5MU.

## Club Reports

**Got news? Send reports about your activities and things that you think other club members need to know to [scope@palomararc.org](mailto:scope@palomararc.org).**

## Membership

New Members Joining PARC:

N2DKO, KI6ZUI

And one "old" member reinstated their membership.

Not a very good month for growing the membership!

Here is the list of members receiving the SCOPE on the web, that "expired" in the last month or so. Please check this list, and get your renewal checks in the mail!

Pretty PLEASE!!! N6SF, KI6FVN, N2CDP, N6MJS, KI6LAY, K6JWP, W6TVA, NN6X, W9WV, WZ6RAM, W6PUG, WB6YVT, KI6CTS, KI6MMT, K1JDS, K6GAO, W6DEO.

A1

W6GNI

## Fold and Staple for June

KB6NMK Jo

KB6YHZ Art

W6GNI A1 &

WA5ACE Sonny

Kathy

## Scouts in Space Needs Ham Help

By Dennis Baca KD6TUI

Palomar Amateur Radio Club has received a request to support the Vista Boy Scouts and Vista Cub Scouts by providing a hands-on amateur station. This is a great way to get the community interested in Ham radio. I will be assisting on the Wednesday. Offers of assistance will be greatly appreciated. This should be a fun event.

Here is the letter from the Vista Cub Scout Day Camp Director, Ron Anderson:

Dear Dennis,

Thank you so very much for offering to come and participate in our camp from July 20th - 24th at the Vista Antique Gas and Steam museum. The camp is from 9am to 3pm each day Monday through Thursday. On Friday the 24th we open from 9am - 2pm. On Friday will be having a family style picnic which starts at 12pm which you are welcome to enjoy (Hot dogs and Hamburgers). I am extremely excited about the possibility of having your group there all week.

I would really like to have a presentation on Tuesday for the groups of boys. Each presentation on Tuesday will be about 40 minutes long. You can use that opportunity to demonstrate the equipment and how the technology works and the value of learning the technology and why the technology is relevant for our safety. For the remainder of the

week the availability of talking on the Ham equipment would provide a great opportunity for impressionable minds.

As mentioned I will have a fair number of older Boy Scouts at camp and it will be a great way to recruit boys for interest in the Radio Merit Badge. Also, our Friday Program is open-ended and will be a great way for demonstrating your program to families and garner more interest in your organization.

I am interested in attending your July 1st meeting and look forward to giving a small presentation on our camp to your organization.

I have attached the Boy Scout Merit Badge requirements for Radio. It might help serve as a template for preparing presentations with the boys. Our Cubs will be younger than what is requested in the Merit Badge but some of the ideas might be helpful.

I look forward to talking with you soon so that we can make this a reality for our boys.

Sincerely,  
Ron Anderson

Vista Cub Scout Day Camp Director



## For Sale

### Club Classified Advertisements

Personal equipment ads are free to members and will run for at least one month. Send your ad to [scope@palomararc.org](mailto:scope@palomararc.org)

Commercial ads are \$2 per column inch per month. We will adjust your ad copy to conform to the number of inches bought.

Spot a good deal  
in the Scope!



### Antenna Available

Butternut HF9V, vertical 9-band antenna in good condition, with manual, assembly and tuning instructions. Antenna is already taken down and ready to pick up.

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Contact Bernie-N6FN ph 760-746-7411 or email  
[n6fn@niftyaccessories.com](mailto:n6fn@niftyaccessories.com)

Whose eyeball is that above?  
Guess right and get an On  
The Spot Award at the July  
membership meeting.

### Items For Sale

Astron power supplies: 13.6V - 2ea. RS-35A @\$50 each  
1ea. RS-20A @\$35 ;  
2 ea. LS-25A ( 28 V ) @\$35 ea.

Solid state linear amplifier, METRON, model MA1000B , 13.6 V DC in . 70watts PEP drive for 1Kw out. Size is 10" x 17" x4" tall. The top is a one piece heat sink ( fins about 1" tall ) \$75

2 each "all mode" 2 M radios. 1 Yaesu FT221R and 1 Kenwood TS700A. Even unreasonable offers will be considered

Gary Bollschweiler - WB6GSN  
WB6GSN @ gmail.com  
858-748-6076



### Drake Receiver For Sale

Drake R7 Receiver for sale. Excellent condition.  
Asking \$800 If interested please Email me,  
[slevy1@san.rr.com](mailto:slevy1@san.rr.com) or call during day or early evening  
at 858-755-0571.

Stephen L. Levy, KG6VSF

## Uncle Ed, W6KUT (SK)

Edwin A. Andress

October 25, 1918 – June 9, 2009

By Glenn Rattmann K6NA

The DX world lost a pioneer and true giant recently with the passing of “Uncle Ed”, W6KUT. The following is a short summary of his life, with emphasis on the ham radio side of things

Ed was born in Isabella, CA in 1918. The family moved later to Fresno, where Ed attended school including Cal State Fresno, receiving his degree (physics, with minor in chemistry and math) just prior to WWII. In high school, he heard about ham radio from his friend Gene De Young after seeing the W6HYG QSL card on Gene’s desk in class. After school that day, Gene brought Ed to his home and showed him the equipment and antenna, and after taking the test a little later in 1934 the U.S. Mail brought him his first license, W6KUT. In Ed’s own words, “That first license is a reminder of the day my life changed forever!”

Gene De Young was to remain a lifelong friend of Ed’s. They both were hooked on DXing, but Ed was enthusiastic in all phases of ham radio and in the late 1940’s was ARRL Emergency Coordinator for Fresno County. But most significantly, through fate, or dumb luck, Ed’s experience as a ham, along with his formal education, would lead to an important role in WWII. As the war neared, ROTC steered Ed to the U.S. Army Signal Corps and they gave him a direct commission as 2nd Lt., sending him to Fort Monmouth, NJ for training. During the train stopover in Chicago the night of December 6th, 1941, Ed of course learned about the Pearl Harbor attack the next morning, and re-boarded the train for Fort Monmouth.

Ed’s group of 50 new RADAR officers shipped out for the UK from Halifax, arriving safely in spite of losing their defender-ship, a British destroyer, to a German torpedo. In Scotland, Ed was assigned to the RAF where he helped develop a new RADAR Fighter Control System, and improved shore RADAR defenses.

Remember, this was the very early days of RADAR, and the MIT people were pushing leading-edge equipment to Europe as fast as possible. Ed then was assigned to 8th Army Air Force where he improved aircraft communication through ‘smarter’ scanning and blanking techniques. Ed’s work eliminated German RADAR signals from the Allied aircraft COM channels, greatly enhancing our aircraft communications during combat over Germany.

Ed’s RADAR expertise led to the next assignment: Planning the locations for installing fighter-control RADARs across France, all the way to Germany. This prototype equipment came from MIT (incorporating many of Ed’s suggestions), and Ed’s people had to package it in vehicles in waterproof fashion.

Ed was sent to MIT on a special cargo plane to consult with their engineers for several weeks on fabrication of this new equipment.

Then came the Normandy invasion. The RADAR gear started pouring across Omaha Beach on the second day, and of course Ed was there. Although the mobile RADARs were intended to guide Allied aircraft, Ed and his crew cleverly used them to detect the locations of enemy ground-based tank movements and artillery batteries. While pinned down on the ridge above the beach, they called in air strikes and took out the enemy sites. Later, Ed further commanded the RADAR company through the Battle of the Bulge.

For his outstanding work in the war, Ed Andress

was awarded the Order of the British Empire, OBE (MBE class). Later, the Air Force awarded him the Legion of Merit.

Upon Ed's return to the states, he was assigned to the Air Force Test Board, to verify production of new RADAR equipment, and also went to Hollywood to assist Hal Roach Studios in producing training films for RADAR users.

After a few years of Air Force Reserves (Major) and working in the family neon-sign business, the Air Force recalled Ed for two years in the Korean War. After that point he had to make a choice—stay in service, with a full commission, or get out. He decided to resign, after he and Gene De Young decided to gamble and go into the broadcast business. In the 50s, Gene was the majority owner and Ed was a partner and Chief Engineer at radio KERO Bakersfield. They obtained another license for KERO-TV, and Ed was responsible for building both the studio in town, AND a completely new transmitter/antenna site on remote Mt. Breckenridge, east of Bakersfield.

This was to become Bakersfield's first major network television affiliate. This task was enormously difficult—starting with how to get water and power-- but Ed got the job done. Eventually he left the broadcast business in the early 60s. For the next 20 years or so, Ed was involved with manufacturing and sales of various types of electronic equipment, and at times worked with other well-known Southern California hams in business such as Cam Pierce, W6HJT (K6RU) and Dennis Dinga, N6DD.

Relatively late in life, Ed took on a new challenge—that of seagoing merchant marine radio officer. He loved that job, because he could take his little portable ham station in a suitcase, and operate aboard the ships.

Ed's work took him to the Indian Ocean

numerous times during Desert Storm in the early 90s and he was at sea for nearly a year in one stretch, circumnavigating the world in the process. W6KUT remained continuously active following WWII, and Ed kept up his DXing.

Recall that DXing in those days was "A boy and his radio." No 2m link. No cluster. No Internet. Just keep tuning the receiver! The evidence is impressive: CQ WAZ Award #56 in 1948; ARRL DXCC #159 in 1948; he received sticker #380 in 1998, and remained on Top Honor Roll for many years. Ed holds 5BWAZ #6 (#2, West Coast). The San Diego DX Club elected W6KUT to the Club's Hall of Fame, along with W6BZE and W6PT. Ed was a generous DXer, always eager to help the younger guys learn the hardware techniques and operating skills they needed. I remember clearly that Ed showed me the 'Eureka' details I needed to finally master the PERFECT installation of PL-259 connectors! He, along with Otto, W6PT, also gladly taught me the secrets of prop pitch motors.

Ed was widowed in 2000 with the passing of his wife, Liz. They had three children, one of whom became a ham operator: Anna (Cathy), Kim, and Kurt, who is very active as K7NV.

Ed is survived by the children; seven grandchildren; five great-grandsons; and his loving companion Diane Vandenberg. And let's not forget the hundreds—no, thousands—of radio hams, worldwide, and business persons, who were touched in so many wonderful ways by this generous, kind, skillful person who always kept an engraved, one-word wooden sign on his desk: Empathy.

RIP Ed Andress, W6KUT—A great Patriot of the Greatest Generation!

# VHF Contest Report from Loren AD6ZJ

Loren AD6ZJ writes:

Michelle,

Conrad and I did the VHF contest as prep for field day. I took some pictures and so did Conrad. I don't have my pictures with me but will send a few to you (included below –W5NYV).

I got a chance to try out my rack mount antenna tower with a 6m beam and 70cm beam. The rack provides support and I use a flip-up mast to get the beams to 20'. The 2m was on a vertical. If I do this again I might try to find some equipment for 220 MHz and the UHF stuff.

Here are the results:

ARRL June VHF QSO Party

Call: AD6ZJ

Operator(s): AD6ZJ, KG6JEI

Station: AD6ZJ

Class: Limited Multi-Op LP

QTH: DM13

Operating Time (hrs): 7

Summary:

Band QSOs Mults

6	71	28
2	19	4
432	11	4

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Total: 101 36 Total Score = 4,032

Club: Southern California Contest Club

Comments:

Decided to use the VHF contest to try out my field day setup with the 857D. I figured I could test everything but the hf antennas...

This was my first VHF contest so I didn't know what to expect. Decided to invite Conrad, KG6JEI and make it a multi-op since I was going to be busy doing family stuff and wouldn't have too much time to work it. Between the two of us we put in 7 hours and in the process I worked more calls on 6M then any time before and I worked my first every simplex on 440mhz(I don't usually drift above 30mhz). Second best thing was working the N6VI team on 3 bands. First best thing was getting HAWAII on 6M. Also picked up MT and SD on 6M for the first time. It was a different atmosphere than the typical hf contest and was able to move many to other bands. I might have to do this one again.

73

AD6ZJ, Loren





## San Diego Microwave Group Achievement

Greg Bailey K6QPV writes:

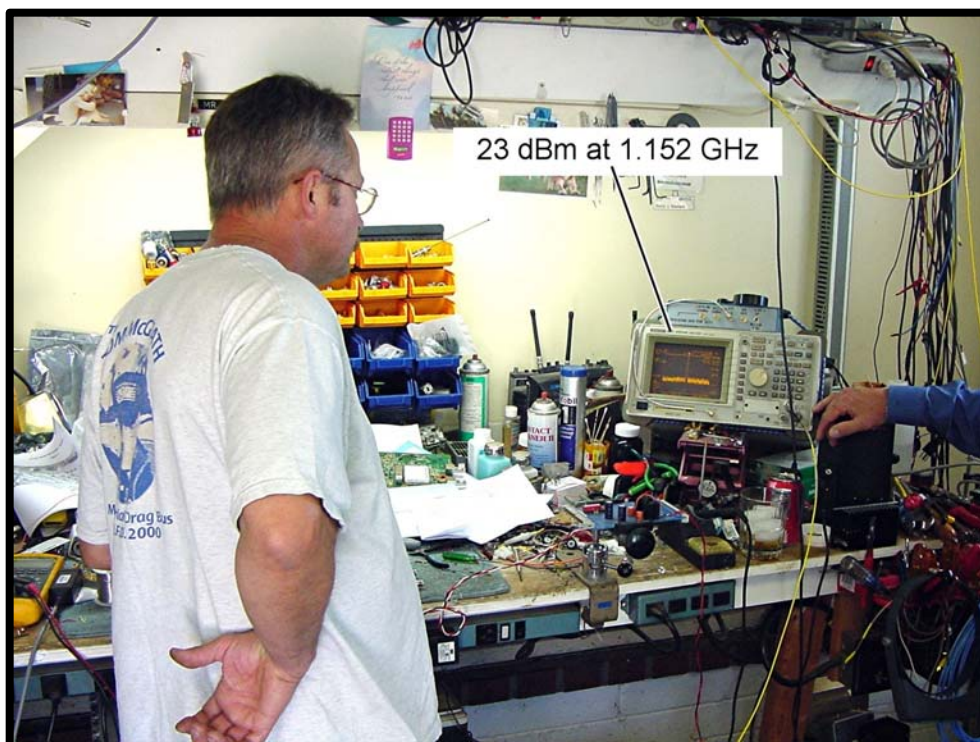
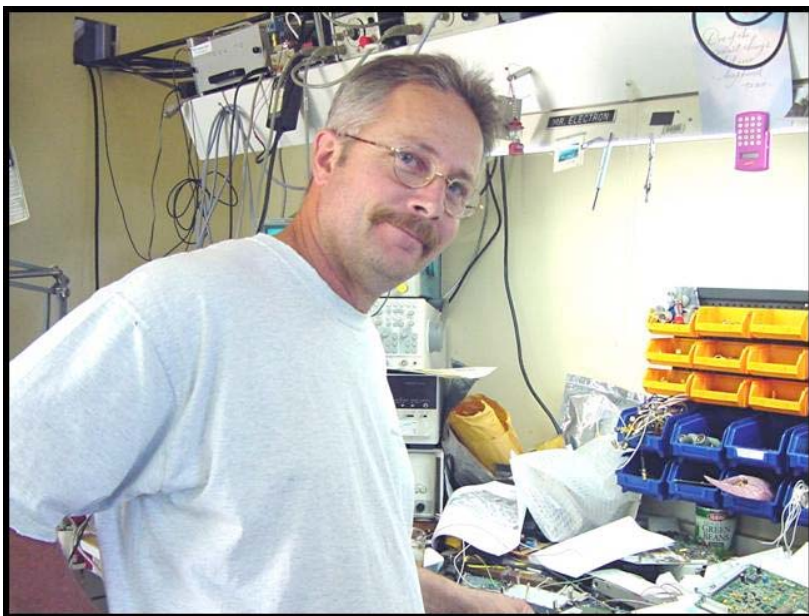
Using PARC's Palomar 2m repeater on Monday night at 2100, the San Diego Microwave Group promotes amateur activity above 1GHz.

One of their newest members recently finished modifying a Qualcomm PLL circuit so it will operate as his LO on 1.152 GHz. Shown is Mike Rienzo, KI6ACI, checking out his signal on a spectrum analyzer, (1.152GHz @ 23 dBm).

Other activity accomplished by the group includes microwave beacons, designs supporting a broadband high-definition video station, contest activity, and experimentation in instrumentation, SDR, and filter design and test.

The group meets in person every third Monday. Contact Kerry Banke N6IZW for details (c/o w5nyv@yahoo.com).

Group webpage <http://www.ham-radio.com/sbms/sd/projindx.htm>.



### June Goodie Givers

Thank you very much to Terry K3PXX and Mark KI6FVH for making our meeting so sweet!

They were our June general meeting Bringers Of Tasty Offerings. Please consider bringing a snack to share at the July meeting!

Theme: red white and blue!





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## Featured Program

The program for the general meeting at 7:30pm on 1 July 2009 at the Carlsbad Safety Center, 2560 Orion Way, Carlsbad will be a special treat! Steve W6TAN from the Escondido Amateur Radio Society will present his famous Quiz Night. Here's Steve's description: Basically, I will have about 35 questions (on slides), which takes about 45 minutes to present, and they are all related to Amateur Radio in some way. They may be technical, theoretical, geographical, legal, trivia etc. They are either straight questions, or multiple choice. Some are easy, some are tricky, and some are designed to trick the contestants. All are fun. The teams need to be of 3 or 4 people, with a designated team captain & team name. After the questions have been asked, the teams swap answer sheets for marking. The team with most points (correct answers) is declared the winners. In the event of a tie – then there is a tie-break question or two. There will be prizes for the winning team!