



# Palomar Amateur Radio Club

## August 2004

### August Meeting

August 4, 2004  
Carlsbad Safety Center

Part 2 of A Discussion /  
Presentation of Modern  
Radio Transceiver Design  
and Production by Achim,  
NC6X.

### PARC Repeaters

Palomar Mt. Repeaters (W6NWX)

PARC Trustee: AB6QT

\*52.680- W6NWX, -0.5 MHz.

Autopatches:

146.730-, \*147.075+  
\* 147.130+, \*447.000-

PKT:

145.050s (PALMAR/W6NWX-1)  
146.700- (Duplex Pkt) PALBBS/  
EMG use  
145.070/146.7 - (W6NWX-3/PALBBS)

ATV "OUTPUT":

1241.25 MHz. am

ATV "IN":

915 wbfm, 919 am, 2441.25 wbfm

Intercom:

146.415 PL 79.7 nbfm

Affiliated:

\*224.38- & \*224.94 KK6KD (HARS)  
\*447.05- & \*145.26 KK6KD (HARS)  
\*146.175+ N6FQ(FalbrkARC) linked to  
\*445.600 MHz (-)  
\*224.90- WD6HFR (Convair/220 ARC);  
446.14- WB6FMT(123.0)Vista;

\* = 107.2 Hz. PL Tone

### President's Message:

It is a pleasure to write this column after the happenings for PARC that took place over the past couple of months. I'd be remiss if I did not spend a few lines reminiscing on FD 2004.

I hope you are sitting on the edge of your seats wondering how we did in Field Day. You'll have to wait for a few more lines as I comment on the happenings at FD.

Those of you who visited the site were impressed by the sheer energy present! We are fortunate to have such a tremendous location for FD. I keep reading those signs that say the City of Carlsbad plans to convert that wonderful site into a parking lot. What a waste!!!!!!!

Meanwhile, we enjoyed (for the second year) a great location. There are many places featuring photographic evidence of the fun we had. Naturally, those of you with Internet access know to go to <http://ac6v.com> to see the photos.

As your FD "organizer" I was concerned that my travel schedule would impede our preparation for this year's FD. I shouldn't have worried! I am compelled to give credit to those who made this a wonderful FD for all of us.

AC6V organized what has to be one of the finest opportunities for anyone who wants to operate all modes in his GOTA station. KD6TUI's effort at organizing the Club's container so we have little effort to get all our gear in place paid immense dividends. AD6VI and KG6RCH worked wonders to make sure our "water counterbalances" were in place when we needed them.

KF6WTN made sure the famous Road Kill Café was in place and served the best FD food west of the Mississippi for all who participated. K3PXX worked to make sure the PARC trailer was at the site (renovated inside and out courtesy of KG6RCW and K3PXX) and was online when needed. W6ASP made sure all who arrived at the site paid attention to the rules we set up to make sure we are invited to use the site again next year. N5AAA ensured we also had the "Ritz Carlton" operating site worthy of IOOK Vice Presidents. NE6O proved pedal power can make contacts.

I know I left some of the key participants off the reminiscence above. My apology for my forgetfulness.

I think we were all surprised by the amazing propagation conditions that were experienced at FD. To have 15 meters wide-open most of the time was really amazing! Likewise the enjoyment of the 40-meter band almost all day was rewarding. So all in all the propagation gods helped us have a great FD!

The bottom line is that we had a grand time at FD.

And as of the writing of this message, it seems we can claim a score of 10,574 points!

See you next year at FD! And do not miss the most fun you can have with your radio on!

73 de NN3V

## Minutes

### Palomar Amateur Radio Club Board of Directors

July 14, 2004

The meeting was called to order at 7:08 PM by K6KAL at the home of W6GNI. Present were:

Director Merle Risdon, KR6BT

Treasurer, Jo Ashley, KB6NMK

Membership Chairman, Al Donlevy, W6GNI

Director, Stephen Early, AD6VI

Secretary, Dick Kalkofen, K6KAL

#### Treasurer's Report of 06/30/2004

Jo, KB6NMK submitted the Treasurer's Report which was reviewed by the board. The slight drop in balance was due in part to the purchase of a club projector, and other expenses relating to field day. Merle, KR6BT moved the report as distributed be accepted, and was seconded by Steve, AD6VI. The motion was carried.

#### Secretaries Report

Dick, K6KAL submitted the minutes, and Al, W6GNI moved that the Secretaries report as distributed to the board and published in the scope be accepted, and was seconded by Jo, KB6NMK. The motion was carried.

#### Old Business

Merle, KR6BT and company are close to concluding the arrangements to dispose of the old club trailer now stored at the repeater site.

#### New Business

As is customary at this time of the year, there was a discussion of the additional discretionary points to be awarded by the board to club members, which would translate to drawing tickets at the Annual picnic.

Steve, AD6VI Submitted a request on behalf of MARA of a proposed preamble update to their weekly 'MARA Emergencies Net'. After review of the proposed changes, the PARC Board saw no need for correction and ap-

proved the change as submitted. Jo KB6NMK moved that the changes as proposed be accepted. The motion was seconded by Al, W6GNI. The motion to approve was carried.

#### Discussion Items

Dick K6KAL submitted changes to the Club data as recorded on the ARRL site for review and discussion. There is a need for AL, W6GNI as the club Membership Chairperson to have access to the new Hams list kept by the ARRL.

As stated in their policy (ARRL email), this data is only available to those individuals listed as officers in the club data. Dick, K6KAL will look into a way in which this data can be accessed easily by AL.

Merl, KR6BT will be placing a deposit on the picnic site, the same lake Dixon site as we had last year, being careful to avoid the 10 gig contest weekend.

Steve, AD6VI submitted a question as to the availability of a 'Written' agreement that can be used drafted to outline the clubs position on repeater usage by organizations such as the Red Cross during emergencies.

The club currently has a verbal agreement with the ARES organization. Dick, K6KAL will review the available documents in the secretaries' possession for an agreement that may have been used in the past. In addition, he will contact ARRL to see what they may have or any suggestions as to how to draft such a document.

#### Membership Report

Al, W6GNI notes that the club now has 446 members.

##### Repeater Technical

All repeaters are functioning within nominal parameters.

##### Repeater Site

There was no formal site status submitted at this meeting.

#### Next Board Meeting

The August board meeting will be held at the home of AL, W6GNI at 7:00 PM on July 11th.

Al, W6GNI made the motion to adjourn the meeting, and was seconded by Steve, AD6VI. The meeting was adjourned at 8:14 PM.

**Respectfully submitted,  
Dick Kalkofen, K6KAL, Secretary**

**August's meeting will feature:** Part 2 of A Discussion / Presentation of Modern Radio Transceiver Design and Production by Achim, NC6X.

## Club Membership

New Members Joining PARC:

**KG6VMF, N5AAA, and David Gibbs (no call yet, joined at field day).**

Several reinstatements!

Our membership is dropping. Bring a friend, and let's sign them up. Maybe too much internet/cell phone competition. But there are many aspects to ham radio, new ones every year. The digital modes are really neat! How many other hobbies can brag about having their own satellites up?

Did you check your label for participation points last month? Check again this month for points. If you feel that there have been points overlooked, send me e-mail for corrections. As a reminder, in accordance with the by-laws, the year for points is August 1 through July 31. So, the points for attending the August 4th, 2004 club meeting will be starting points for year 2005. The fold and staple crew will get their points added in 2004, since this newsletter was prepared and mailed July 28th.

Al, W6GNI

### PARC Hiker's Net News

By Bernie – N6FN

## July Sierra Backpack

The first week in July five Hiker Net hams enjoyed a High Sierra backpack trip to Little Lakes Valley. Starting at 10,250 feet, we hiked several miles through a valley dotted with crystal clear lakes and is ringed by majestic snow covered peaks.

Leaving Escondido we drove to Bishop where we made contact with several local hams on the BARC (Bishop Amateur Radio Club) Silver Peak Repeater 146.940- /103.5. BARC hams are always happy to

meet visitors and are a terrific source of local information. Everyone is welcome to join their nightly 9pm net to discuss the day's events and other issues.

Don-N6RU, who lives in San Diego during the winter and has a cozy cabin near Tom's Place, just north of Bishop, is BARC's net control op during the summer months. On the way to our campsite for the evening we stopped by to visit with Don, who started his backpacking career at 57 years of age. Now 84, he doesn't do much backpacking anymore but is extremely knowledgeable about climbing and hiking in the area. During our visit he gave us pointers on where we were going, sharing interesting stories and pictures of the High Sierras.

The following morning, Cheryl-KF6ZXC, Stan-W9FQN, En Lafreniere and myself packed up our gear and drove the last few miles to start our hike at the Little Lakes Valley, Mosquito Flats trailhead. Jeff-KG6AXR, who couldn't leave San Diego the day before, arrived later and hiked to our campsite at Chickenfoot Lake by himself. We used 147.555 simplex to guide him to our exact location.

For three days we had a wonderful time exploring the area's many lakes and hiking over Morgan Pass. For the most part the weather was great, even though we did get some rain each evening and in the mornings the tents were covered by a thin layer of ice.

A complete report and pictures from our trip are available on the web at <http://members.cox.net/bernie-n6fn/>

Hiker Net hams get together every Friday evening at 9pm on our 147.630 machine to discuss trip ideas, reports of recent trips and other outdoor related topics. The net is open to everyone and new participants are always welcome.

For coordinating trips and making other announcements the hiking net group also makes use of an email reflector hosted by Tom Lebens - KF6PAZ, who also hosts the Hikers' Net home page at <http://www.fanciful.org/san-diego-hiker/>

## Lets Have a Picnic

Reservation has been made at Dixon Lake, Lake Shore Picnic area. (Next to the Ranger station) for, Saturday September 25. Despite the 85 degree temperature in Escondido, the air was cool at the lake and picnickers were enjoying the afternoon. Think about ending the season with lunch under the shade trees over looking the blue Lake Dixon. Put this event on your calender.

Merle, KR6BT

## Amateur Radio Class

**Dates Sept 18, 25,  
Oct. 2 and 9**

Registration September 18,2004, at Scripps Memorial Hospital, time **1:00 pm** in the Noble Room.

Question and answer at this time. **This registration is a must attend meeting will last approximately 2 hours.** Schedules will be given out, with times.

Technician book purchase at registration? We will be using "Now You're Talking 5<sup>th</sup> edition". Read Chapters 1-4

Things to bring pen and pencil, high-

lighters

**Meeting days Sept 25, Oct. 2 and 9**

Class hour's 8 am- 4 pm, lunch 1 hour

Will take FCC test, on site

Cost of class \$13.00 (cash) covers book, and six (6)-practice test, and taken the FCC test thru the Volunteer Examiner

**Directions to Scripps Memorial Hospital campus are:**

(Thomas Guide, 2002, page 1228, B-1) Address: 9888 Genesee Avenue, La Jolla, CA 92037

1. I-5
2. Genesee Avenue exit
3. Proceed east, on Genesee Avenue, one block to signal.
- 4 Turn right at signal, which is Scripps

Parking will be validated

- 1) Straight ahead, take a parking ticket, and proceed through the parking gate. **Bring ticket with you it will be validated.** Once through the parking gate, first right turn to the underground parking entrance. **Be very careful for all antennas.**

We will be in the Noble Room in the Schaezel Center.

E-Mail with Name, Day phone + Night phone, and which is best to call

Class contact:

Skip Cline

760-757-5424

kd6rfq@ixpres.com

E-Mail is best

## Going to MARS - The Long and Winding Road

**By Tony May - NNN0AFE - KG6SXY/AE**

It's hard to believe it's only been a month since I got involved with Navy-Marine Corps Mars; it definitely feels a lot longer than that but in a good way. I feel I've learned so much in a short amount of time. I know that the level of commitment involved may scare some people away but for me it's an exciting challenge to see if I have what it takes to rise to every occasion.

Now that I've completed my training and been given the honor of dropping the T from the end of my call sign ( the trailing T identifies new operators as Trial Members or Trainees ), the training does not seem as daunting as it did in the beginning. There is a lot of material to read and absorb but there are a lot of people you can call upon to ask questions about things that you don't understand. The requirement to generate six different types of messages and deliver them on one of the traffic nets is a great learning experience. It can be difficult to make something up to send to someone that doesn't exist in real life but the process of coming to a traffic net with a piece of traffic to be forwarded gives you a great opportunity to practice everything you've read about since you started your training. Sure, there are training nets where you can deliver your messages but depending on the individual, a training net can be too much of a safety net. When you come to a live traffic net to deliver your messages, you know you have to invest time and energy to format the message and list it on the net correctly. It's not the end of the world if you make mistakes, these

are just drill messages that are designed to give you experience and get the feedback and corrections you need so you can learn from your mistakes. There really isn't anything to be afraid of because I'm sure everyone remembers what it is like to struggle with so much new information in the beginning. From my experiences so far, there are lots of people on the traffic nets that just want to point you in the right direction so you can improve on your next drill message. If you spend a lot of time listening to traffic nets, you'll hear a lot of digital traffic but when conditions are bad, you still hear some messages being delivered by voice. While digital traffic can be quicker and easier to deliver, there is no substitute for delivering messages by voice when the other station is just barely readable. I find it interesting to hear how much energy is poured into getting a message from one place to the next in an accurate and timely fashion. I once read a passage that said, "We train like we fight", and I really didn't fully understand what that meant until I started spending time on the traffic nets and listening to how traffic is being handled regardless of whether it's a live message or a drill message prepared by a new trainee. Everybody takes every piece of traffic seriously.

One of the last steps in training is to assume net control for one traffic net which I did on Friday, June 18. I was a little nervous about how to deal with digital traffic since I don't have that capability at my station yet but I knew there was always an alternate net control that I could call upon to handle any traffic that I couldn't handle myself. I did have to handle traffic that night and it was interesting to hear a message that was addressed to myself and others to inform the appropriate people of the completion of my training and permission for me to drop the T from the end of my call sign. In the heat of the moment, I had the message passed to one of the addressees on the list but neglected to accept the message for myself. A small mistake but the experience was worth every minute. When I

was asked to take over as net control for a regular traffic net on the day I finished my training, I admit I was a little nervous about taking so much responsibility so soon but I also knew that there's no better way to improve than by jumping in with both feet and giving it everything you've got. The worst that can happen is you end up having to ask a more experienced operator on the net for assistance and there's nothing wrong with that.

The next great experience I had was a field exercise that arrived at 6:15 AM the morning after I finished my training. There's just no comparison between reading about everything you need to set up in the middle of nowhere and actually getting out there and doing it. Even though I knew ahead of time that the exercise was coming up, hearing "There's a 7,000 acre fire..." at 6:15 AM before you're fully awake really gets your attention and works much better than a pot of coffee and a pound of chocolate to get you moving. My heart was racing but I was on autopilot from the moment I hung up the phone. I really didn't know what to expect but I started packing the car with everything I had at the time that I thought I would need including a generator, deep cycle battery, cables, connectors, soldering iron, spools of wire, first aid kit, a collapsible chair, a change of clothing, flashlights, spare batteries, my Kenwood TH-F6A HT, a copy of all the training material, some food, palm pilot, Bluetooth GPS, a load of digital maps, a web generated map of instructions to get to the scene, a cell phone ( I forgot the charger though ), paper, pens, pencils, paperclips, candles, matches, scissors, string, a rubber mallet, a case of water, a digital camera, and a gallon of sun block. I was a lot better prepared than I was for my night in the desert during the Baker to Vegas run where my cot collapsed and tried to devour me and I ended up

chasing a black sleeping bag through a field without a flashlight in the middle of the night only to end up sleeping sitting in that same collapsible chair for the rest of the night. By 6:37 AM my tires had hit the road and I was on my way north. I think I surprised a few people that morning when I pulled into the parking lot of a park in Chino, CA at 8:04 AM where I saw a big black truck with a MARS Emergency Communications decal on the drivers door. I really had no clue where I was supposed to be when I entered the park and didn't have my radios modified to be able to transmit on MARS frequencies yet to get some help. Even though I didn't have enough gear to set up a complete station of my own that day, helping Lyell/NNN0AGN set up his station helped me realize how close I was to being able to do the same thing very soon. I've recently got myself to the point where I just have to work on setting up a few antennas and I'm ready for some field tests. It really doesn't take a lot to get on the air as long as you have a portable radio, some wire, a source of power, and some space. The rest of the pieces are just a matter of how comfortable you want to be while you're sitting out in the middle of nowhere. One of the important lessons I learned that weekend was how much faster you can set up if you keep all the pieces for an individual station together in one box. It just adds to the delay if you have all your power cables in one place and all your microphones and headsets in another place.

The month ahead looks exciting for me. I plan to get as much field practice as I can and set up a remote station with emergency power on my own a couple of times a month. Now I just have to figure out how to get all the bits and pieces in my little Honda Civic including my new 21' mast and instant canopy for shelter from the elements. After upgrading my radio equipment to give me HF

capabilities while mobile and adding the very long ham stick antenna to the trunk, my car really does look like one of those toy radio controlled cars. I've joined the ranks of other enthusiasts that have to start paying attention to those height warnings when entering parking garages. There's always more to learn and more challenges ahead as long as you're open to the experience. I'm happy where I am today and looking forward to everything Navy-Marine Corps MARS can throw at me.

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## Editor's Notes

Where are you club? Where is your interest? Why do I see all kind of pictures and articles in the club's newsletter that is just a few miles away about the recent field day event? Did you go? Were you there? Was there nothing exciting to write about? Are you interested only in our great repeaters and not interested in helping or supporting the club? Maybe you have never been asked to contribute? Have I hit the nail on the head or am I out in left field somewhere? I don't believe so! These are many questions with few answers. It is your club. If you want to see or read great articles, then you have to write them. I am only the guy who puts it together. It would be great if I had many to choose from. It would also be great if someone local would take over. I think it would be of great benefit to the club if your editor could see and be a part your meetings. I know I thoroughly enjoyed it when I lived in the area. If you have a desire to make a worthwhile contribution to your club, please give the board a call. I'm sure they will appreciate it.

Thanks,

We will be looking forward to hearing from you, Ron NA6RS

## Committee Chairmen

AREInfo.	-Dennis S	<b>K7DCG@amsat.org</b>
Attendance	-Al	<b>W6GNI@amsat.org</b>
ATV	-Art	<b>KC6UQH@amsat.org</b>
Auction	-Jim C.	<b>NE6O@amsat.org</b>
Badges new	-Al	<b>W6GNI@amsat.org</b>
Batteries	-David	<b>KD6EBY DAT@Gerry.Palomar.caltech.edu</b>
BBS Monitor	-Bill B	<b>N6FMK@amsat.org</b>
Billing:Ads/etc	-Lyell K	<b>K6GVM@arrl.net</b>
Contest Info	-Dennis V	<b>N6KI@amsat.org</b>
ControlOps.	-filled	<b>W6NWG@amsat.org</b>
D.Mar Fair-		
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	<b>W6YOO@amsat.org</b>
DennisV	-N6KI	<b>N6KI@amsat.org</b>
Field Day	-Charlie R	<b>NN3V@ARRL.net</b>
FDTech.	-John K	<b>WB6IQS@Juno.com</b>
Inventory	-Dennis B	<b>KD6TUIJ@juno.com</b>
New Members	-John E.	<b>KG6EQU@amsat.org</b>
Nets	-	
Newsletter	-Ron S	<b>NA6RS@amsat.org</b>
PALBBSpkt	-Bruno H	<b>KF6QDP@amsat.org</b>
Patch Info	-Stan R	<b>W9FQN@amsat.org</b>
PatchETronics	-Jerry H	<b>WB6FMT@amsat.org</b>
Picnic	-Paul D	<b>NN6X@amsat.org</b>
PowerAC/DC	-Mike P	<b>KD6VHI@amsat.org</b>
Programs	-Dennis B.	<b>KD6TUIJ@amsat.org</b>
Publicity	-	
QSL Cards	-Merle R	<b>KR6BT@Juno.com</b>
RACESinfo	-Jo A	<b>KB6NMK@amsat.org</b>
Red Flag	-	
Rptr Site	-Mike P	<b>KD6VHI@amsat.org</b>
Rptr Skeds	-	
SANDARC	-	
SellerTable	-John K	<b>WB6IQS@Juno.com</b>
AstSWDivDir	-	
TechSite	-Mike D	<b>AB6QT@amsat.org</b>
TestingVE	-Rusty M,	<b>DuneDancer@cox.net</b>
Training	-	<b>W6NWG@amsat.org</b>
TrusteeW6NWG-Mike D		<b>AB6QT@amsat.org</b>

### (Net Managers) (see pg.12)

ARES Sun	-	
Staff Net	-David D	<b>KC6YSO@amsat.org</b>
ARES 6m	-David D	<b>KC6YSO@amsat.org</b>
Ham Help	-David D	<b>KC6YSO@amsat.org</b>
Hiking	-Ed	<b>KF6DXX@Juno.com</b>
	-Glenn P	<b>KE6ZLY@Juno.com</b>
MARA	-Cathy	<b>KE6IQU W6NWG@amsat.org</b>
Microwave	-Kerry B	
Off Road	-Jerry A	<b>jwak6pfp@cts.com</b>
	-Dick W	<b>KA7AYT rwilimek@home.com</b>
Sailors	-Paul/Rod	<b>NN6X@amsat.org / AC6V@amsat.org</b>
Traffic(SDCTN)-Charles		<b>N6TEP cmiele@juno.com</b>

Questions about club policy or for information can be addressed to **W6NWG@amsat.org** or P. O. Box 73, Vista, CA 92085-0073.

EMAIL address for Website is **webmaster@palomararc.org**

Other addresses of interest:

**Scope@palomararc.org**

**Board@palomararc.org**

**Membership@palomararc.org**

## Contest Coral

Aug 1 SARL HF Phone Contest  
 Aug 3 ARS Spartan Sprint  
 Aug 7 10-10 Int'l SSB Contest  
 Aug 7 North American QSO Party, CW  
 Aug 7 ARRL UHF Contest  
 Aug 14 Maryland-DC QSO Party  
 Aug 14 WAE DX Contest, CW  
 Aug 21 SARTG WW RTTY Contest  
 Aug 21 ARRL 10 GHz and up Contest  
 Aug 21 North American QSO Party, SSB  
 Aug 21 New Jersey QSO Party  
 Aug 28 Romanian DX Contest  
 Aug 28 Ohio QSO Party  
 Aug 28 SARL HF CW Contest  
 Sep 4 All Asian DX Contest, SSB  
 Sep 5 German Digital Contest, 28 MHz  
 Sep 6 Michigan QRP CW Sprint

Quite a selection of contests this time, some SSB, some CW, and some RTTY. And for the UHF and up folks, there's some of those. So as to not forget the WAS chasers, there's a few state QSO parties.

Complete rules (and other contests) may be found in QST, CQ, NCJ, and Worldradio. CU in the contest.

73, Harry/W6YOO

**P.A.R.C. Inc (2004 Board)**

**Pres:** Charlie Ristorcelli NN3V  
858.676.3307 NN3V@amsat.org

**VP:** Dennis Baca KD6TUJ  
760.722.0251 KD6TUJ@amsat.org

**Sec:** Dick Kalkofen K6KAL.  
760.519.0670 K6KAL@amsat.org

**Treas:** Jo Ashley KB6NMK  
760.741.2560 KB6NMK@amsat.org

**Dir#1:** Merle Risdon KR6BT  
760.941.0213 KR6BT@amsat.org

**Dir#2:** Steve Early AD6VII  
619.461.2818 AD6VII@amsat.org

**Repeater Site:**  
Mike Pennington KD6VHI  
760.749-8888 KD6VHI@amsat.org

**Membership:**  
Al Donlevy W6GNI  
760.630.3096 W6GNI@amsat.org

**New Member:**  
John Earnest KG6EQU.  
858.484.8579 KG6EQU@amsat.org

**Repeater Technical:**  
Mike Doyle AB6QT  
760.742.1573 AB6QT@amsat.org

**Web Pages**

**PARC's Home Page -**  
<http://www.palomararc.org>

**Rod's - AC6V**  
<http://www.ac6v.com>

**ARES Alert Publication**  
<http://sanarrl.org/alert.htm>

**Tom's Hiker's - KF6PAZ**  
<http://www.fanciful.org/san-diego-hiker>

Jeff N6FRW Grace N6WPA

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e-mail: [nicdlady@nicdlady.com](mailto:nicdlady@nicdlady.com)

**Last Month's Goodie's**

Lief KQ6HE  
Tom KG6RCW  
Joe W6OJ  
Rich KE6DUG  
Roger KG6RAS  
Preston W6ASP  
Paul WN6K

**Fold & Staple Crew**

KR6BT Merle K6ML Jim  
KB6NMK Jo & Toby  
KB6YHZ Art & KB6YHY Anita  
W6GNI Al & Kathy  
W6YOO Harry KE6DUG Rich  
N6UZH Terry & Matthew & Tyler

**Treasurer \$\$\$\$\$**

**Jo Ashley** KB6NMK@amsat.org  
ASSETS June 30, 2004

Cash and Bank Accounts	
CD	2,846.38
CD	2,676.15
CD	3,412.99
CD	2,849.66
Checking	2,700.10
Post Office	97.65

TOTAL ASSETS **\$14,582.93**

LIABILITES	
Pre-paid dues	7,212.00
Prop. Insurance	1,800.00

EQUITY 5,570.93

TOTAL LIABILITIES & EQUITY

**\$14,582.93**

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# For Sale

(8.1) ICOM-756 Pro II, HF/6m, all mode, Like New, in original box. Manual and accessories included, a real bargain at \$1,750, Allan, AE6AN, 858-566-9829 (w) or 858-481-1880 (h).

(8.2) **Cushcraft MA5B 5** band mini HF beam. Never installed, partially assembled/painted, \$250. **Force 12 Sigma 5** portable multi-band vertical, used very little, \$125. **Spider HF** multiband portable/mobile, with attachment claw, \$50. **Hustler mobile** with 17, 20, 40M resonators, \$40, 2M mag. mount, \$5. W3LFR, 858-774-0733 days, 858-780-9593 eves.

(8.3) **Hallicrafters HA6** (6 Meters Transverter) \$30.00, **Cushcraft AR-2** 2 Meter Ringo Antenna \$15.00, **Knight Kit R55a** Receiver \$45.00, **Knight Kit Span Master** Receiver \$35.00. Jerry Kopack, KF6MYE 760-436-6238 or JKopack@DIRECPC.COM

(8.4) 2 each, Kenwood 144 MHz FM Transceivers, **TM-241A** \$100.00 each (they include mobile mounting brackets). 2 each Astron Power Supplies, Model **RS-20A**, \$70.00 each. 1 Kenwood In-line SWR bridge and meter, Model **SW-100**, \$50.00. 1 Kenwood external speaker for mobile radio, \$25.00 Harry, W6YOO, 760-743-4212

(8.5) **FREE - QST** 1994 to present. Ivan, W6TET (858) 273-0219

(7.1) **Yaesu VX-5** for sale. Like new. I have programmed in all of the S.D. repeaters I know. For scanning I also programmed the aircraft freq's and the Boating channels. Still have the box etc. \$200.00 firm. K6ROQ -- Paul

(7.2) **ICOM IC-738** HF XCVR, Very Clean no scratches one owner. This Radio has a built-in Antenna Tuner. Asking \$400.00 OBO. Please Call Bayard 6GAO at 858-755-5507 E-Mail at: ehkopf@mail.sdsu.edu.

(7.4) Astron AS-7 Power Supply \$20.00, Celestron C-8 Catadioptric

***Personal equipment ads are free to members and could be "bumped" after 3 months. Make up your ad like the ones on this page. Send to Scope before the 18th of each month.***

***Commercial Ads in big boxes: \$2/col. inch/mo. We will "squash" your copy to the number of inches bought.***

**SCOPE@palomararc.org**

Telescope with Heavy Duty Tripod, Planetary motor drive, X2 Barlow Lens – Spotting Scope w/manuals & misc oculars \$800.00, 2 B&W security monitors (New) \$10.00 each, Galaxy Electronics Phone Patch PR550 w/manual \$25.00, Cushcraft R-7000 Vertical \$140.00, Panasonic Stereo Earphones Model RP-HT12 (New) \$3.00 each, Panasonic Super Compact Blank Video Tape ST-C30 (New) \$3.50 each, Tape Head cleaners, Camera power supply's ETC., other items too numerous to list. Micronta Large display clock w/battery backup \$15.00, Miniature TV Camera \$30.00, Treadmill ¾ HP \$60.00, Avenger 4000 Commercial alarm system, 6 PIR's Digital Pad, Ultrasonic, 2 Sirens, \$200.00. Realistic DX-400 General Coverage Receiver – digital Tuning \$100.00, Rotating Amber 12 volt Emergency Vehicle Light, \$20.00, Contact K7DCG @ 858-748-9046 or K7DCG@ARRL.COM.

(5.1) **GAP CHALLENGER** vertical antenna. Great for limited space. Works well from 40 thru 2 meters and limitedly on 75. Only 3 25 foot radials required. Ground or elevated mounting. Currently in use. Manual incl. New \$300 Sell for \$125 or best offer. Ron K2RP 760-436-8109 or K2RP@arrl.net.

(4.25) **ICOM 703** HF/50 All Mode, \$450 (New), Alpha Delta Kent Morse key twin Iambic Paddle TP1, \$75, **MFJ 1644** Portable Screwdriver Ant., 80-6m, manual, \$50, Carl, N6HLY, 858-484-3590

(4.2) **ICOM IC-3AT** 220 MHz, Very Clean w/Key Pad, PL, New Antenna, New Battery. Asking \$50.00 OBO. (1) Wilson Hand Held, Mark IV Receive 146.52 Simplex, 146.64, 147.150.1, \$25.00, Bayard K6GAO 858-755-5507.

(11.29) Tubes, chokes, transformers, capacitors, etc. for sale. I anticipate moving and all things must go! Please contact for a detailed inventory. Call: NI6N. Email: t\_osullivan\_email@yahoo.com. Phone: (760) 940-8355.

(9.18) **29' Ericson Sailboat**, Auto-pilot, radio, depth sounder, TV, Microwave, Sleeps 6, Head, Galley, **Transformer**, (CV Solar, Input 115v 60cyc, Out, 120v, 25 amp.) **Transformer** (75KVA, 50% Duty Cycle, Primary 440v, Sec. Parallel low .37, 5.88, 6.2, 6.57, hi .22, 8.15, 8.8, 9.59 or Series Low 10.74, 11.72, 12.40, 13.14 or Hi-14.22, 16.3, 17.6, 19.14v, Call Art Nye, KB6YHZ, 760-758-0234

(2.22) **4 EI 10 Meter Yagi Beam** All stainless hardware w/W2DU Beam 50 Ohm Balun. Only up for short time, Very clean, Works very well. \$75.00 OBO Bayard K6GAO 858-755-5507

(10.25) Radio Shack 300-Channel **Handheld Trunk Tracker Scanner, Pro-90**, Like new in box 80.00. Louie KF6QBS.760-727-0846. kf6qbs@amsat.org.

(10.3) **Bencher Paddle Keyer** and **MFJ automatic keyer** (curtis chip). Like New! \$75 Bob AC6JG 760 207-9045.

## Wanted

(4.5) Print or Manual for a SB 200 Heathkit Linier Amplifier W6ODU 760-749-8385

(3.9) Lafayette HA-600 or HA-600A, working or not. Contact Bill, KD6BFR, -kd6bfr@hotmail.com 760-480-6805

(2.3) Six, 12V UPS batteries (72 VDC total) 38 Ahr. gel cells. For the PALBBS computer. We could use a different Ahr. rating if necessary. Current backup batteries are getting weak.

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Palomar stocks a wide variety of cores and beads. Our RFI Tip Sheet is free on request. Our RFI kit keeps RF out of your telephones, TVs, stereo, etc. **Model RFI-4 \$25 + tax + \$6 to ship.**

**BALUN KITS**

Ferrites slip over coax. Shrink tubing holds them in place. Works from 3.5-60 MHz (Use two kits for 160 m).

**Model BA-58** (for RG58, RG8X & similar cables up to 1/4" dia. \$7.50 + tax + \$6 S&H/order

**Model BA-8** (for RG-8, RG-213, 9913 and similar cables up to 1/2" diameter. \$15.00 + tax + \$6 S&H/order

**TUNER-TUNER**

Tune your tuner without transmitting. Save that rig!

Just listen to the Tuner-Tuner's noise with your receiver. Adjust your tuner for a null and presto! You have a 1:1 SWR.

See catalog at [www.Palomar-Engineers.com](http://www.Palomar-Engineers.com)  
Please check our complete ads in **QST, 73, CQ, and World Radio** magazines.

**PARC NETS**

Sunday	0830	146.730	ARES
Sunday	1000	146.730	Sailor's Net
Sunday	2045	147.075	MARA Emergency Services
Monday	1915	146.730	RACES Sub-Net
Monday	2100	146.730	Microwave Net
Tuesday	2100	146.730	Off-Road Net
2nd Wed	2100	146.730	PARC Board Net
Thursday	1930	147.075	Young Hams Net
Thursday	2100	146.730	Ham Help Net
Friday	2100	146.730	Hiker's Net
Saturday	2000	52.680	6 Meter ARES Net
Tue/Thu/Sat	2000	146.730	NTS Traffic Net (SDCTN)

**PARC Testing**

**Carlsbad** - 2nd. Saturday at 9:30 am in the Carlsbad Safety center.

Contact Rusty **AA6OM**  
760-747-5872 or [dunedancer@cox.net](mailto:dunedancer@cox.net)

**EARS Testing**

**Escondido** - LAST Saturday at 9:00 am  
Fire Station #1  
Escondido Fire Department  
310 North Quince Street  
Escondido, CA 92025

Contact Harry **W6YOO**  
760-743-4212 or [W6YOO@amsat.org](mailto:W6YOO@amsat.org)

**Register 5-7 days in advance for tests.**

**Repeater Status**

146.730-	:	<b>Normal</b>
147.075+	:	<b>Normal</b>
147.130+	:	<b>Normal</b>
447.000-	:	<b>Normal</b>
52.680-	:	<b>Normal</b>
146.700-	:	Packet Repeater <b>Normal</b>
145.050	:	Packet Digi <b>Normal</b>
PALBBS	:	Bulletin Board <b>Normal</b>
AutoPatch	:	<b>Normal</b>
ATV	:	<b>Upgrading</b>

Send \$18 Dues To:  
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**Vista CA 92085-0073**

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*and others to numerous to mention!*

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**Directions:** On 163, take **Clairemont Mesa Blvd.** off ramp to East. Stay in right-hand lane. Turn right at stop light. As you are turning right you can see our beams in the 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.

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# SCOPE

scope

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