

Scope

146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05

Jan
'02
pg.1
-1-
1,621

Palomar Amateur Radio Club Inc.

also ATV &
4 Autopatches

Scope (USPS #076530) Vol. XXVIII No.1, Jan. 2001, published monthly by PARC, 1651 Mesa Verde Dr., Vista, CA, 92084. Periodicals postage pd. at Vista, CA 92085.

Dues \$12/yr or \$21/family/yr (includes newsletter subscription)

Editor: Stan Rohrer W9FQN, 30311 Circle R Lane, Valley Center CA 92082

Send \$12 Dues To:
PARC, Box 73
Vista CA 92085-0073

POSTMASTER: Send address changes to SCOPE, P.O.Box 73, Vista CA 92085-0073.
See pg. 12: PARC Frequencies, Club Officers, and PARC Nets.

Club Meeting

Mark Raptis KF6WTN@amsat.org
(Meetings are held the 1st Wednesday of each month at the Carlsbad Safety Center in Carlsbad at 7:30 p.m. although most come at 7:00. See map on page 12 for directions -Ed)

January Program. -

Stuart Downs, formerly W6PDP now WY6EE, wrote an article for QEX magazine regarding elimination of noise sources in mobile rigs. The article can be found on the ARRL website and the complete text can be found in PDF format on the K2BJ.com website in the noise section.

Stu has contacted 35 countries from the car and has no engine noise. He is a full time electrical engineer and teacher at Palomar College. The discussion will contain a general overview of electromagnetics and how to "get rid of the stuff you don't want."

See you at the meeting,
KF6WTN

Coming Events.

Jan.1st *Happy New Year*

Club Election (update)

The following club members were elected at the December Club meeting

to the 2002 Board:

NN3V - Charlie Ristorcelli - President
KF6WTN - Mark Raptis - VPresident
KB6NMK - Jo Ashley - Treasurer
KB5MU - Paul Williamson - Secretary
NN6X - Paul M. DeCicco - Director #1
NE6O - Jim Cooper - Director #2

Goodie Table

Wow, we really had lots of low cal things to eat at the Christmas party.

Many many thanks to those bringing items: W6GNIAI, KB6YHYAnita, K6MLJim, W6ABE, N6TCBJerry, W6YOOHarry, KF6MYEJerry, WB6PKKMarvin, W8LOVJoe, KE6ZLYGlenn, and KF6WTNMark.

You all received one (1) participation point for your efforts.

KD6TUJDennis and W6SSTJim handled the goodie table both months.

WANTED:

ONE GOOD EDITOR!

HELP HELP HELP HELP
HELP HELP HELP

Charlie Ristorcelli NN3V@amsat.org

After MANY, MANY, MANY years of service as SCOPE Editor, W9FQN (Stan) announced he is taking a break and will no longer edit SCOPE, effective with the February edition.

For the immediate future, beginning with the February issues, on a

temporary basis SCOPE will be prepared by a back-up team to ensure it is published monthly.

BUT WE MUST FIND A NEW EDITOR!

I solicit anyone interested in helping to contact any PARC Board Member IMMEDIATELY.

Without your help, and the volunteerism of a new editor, we will not be able to assure continued, consistent publication of SCOPE.

Skills for editor are modest (obviously, no one can just step in to replace Stan's legendary work).

But as with all things, we have to move forward. We are looking for someone who is computer knowledgeable in desktop publishing, and who will work with the Board to develop a process for continued editing of SCOPE. 73 DE NN3V

President's Message

Charlie Ristorcelli NN3V@amsat.org
HAPPY NEW YEAR PARC!

In this my first "President's Message", please accept my best wishes for a prosperous New Year 2002, and my hope that you enjoyed a wonderful Holiday Season with family and loved ones (and that Santa surprised you with all your desired Ham Radio toys).

I am thankful for the opportunity

to serve as PARC President, and thank those who preceded me for the fine job they accomplished in making PARC such an interesting and effective Radio Club.

There are interesting times ahead in our hobby, as well as much change. Have you considered how these events will affect you and PARC?

Changes abound aplenty in our operating practices and equipment capabilities. The time honored tradition of CW is facing significant changes. The digital modes are here to stay and are expanding. Micro miniaturization is about to saturate us with incredibly capable equipment with features that surpass even today's amazing rigs (and for most hams, not home repairable). If you are unaware of these matters, I recommend you subscribe to one of the ham radio journals, or access the ARRL newsletter.

This is no longer your childhood hobby, and there's a lot going on in the world of ham radio!

Add to that the changing demographics of the hobby, and I offer you a simple question: where do you see yourself in all this? Or perhaps I should ask, do you even see yourself in all this?

I believe it is important PARC members play a role in shaping PARC in the future, and how we shape our hobby and personal enjoyment of the ham bands. Like it or not, as the hobby changes we either adapt to the changes and enjoy the opportunities, or else we find a new hobby.

I for one do not see myself dropping ham radio as a way of relaxing, so I plan on adapting. I therefore challenge each PARC member who plans to continue "hamming", consider three things.

First, how have you risen to the new operating opportunities. Have

you tried the digital modes yet? Have you actively explored the satellite bands? Have you at least listened to the International Space Station ham radio operators (NA1SS)? If you haven't done any of these things, why not, and what are you waiting for?

After all, in an era where "hardware home brewing" is probably reserved for only a few, it is the experimentation with new modes that offers that wonder of "tinkering" from which our fondest memories of "days of yore" will come about. If it is unfamiliarity with the equipment needed for these new modes (yes, I am talking to all you computer shy folks), why not embark on an adventure with a new ham? After all, you have a wealth of knowledge about the CORE of our hobby that the new folks are earnestly looking for help to understand, and many of them have the computer skills we need to learn also.

Second, as a well established club with an envious record of bringing solid programs covering both the technology of the hobby, as well as the operating practices and outdoor opportunities of ham radio, I ask you to help attract new members to the Club. When was the last time you showed up at one of the exam sessions to offer your help as an "Elmer" to some of the new hams? How are they going to learn the ham radio practices when they have no "Elmer"? Do you remember your "Elmer"? I remember mine. He walked me through the beginning contacts, the unease of joining a pile-up, and the decision tree on what to buy as an initial rig. And from that moment onward, I was "hooked" on ham radio.

Third, I challenge PARC members to ask yourselves: when was the last time I volunteered to help

in Club activities? Why so long?

PARC is blessed with a core of hams who give, and give, and give. But, in a voluntary organization, a "core" of people always doing the same things brings about a repetitiveness that can overlook many exciting and new opportunities.

So I challenge you to volunteer your skills and energy in any area of the hobby you find rewarding. It is likely your interest will spark someone else into a new area of ham radio that will be enjoyable for them, and rewarding to you for having helped. And I ask that you also consider providing KF6WTN (Mark) with ideas about club programs you would enjoy, as he is the new program chairman, and will gladly try to satisfy your request.

Feel free to e-mail me (NN3V@amsat.org), or call on the landline (619-686-5607) and tell me what about PARC satisfies you the most, and what you believe would attract your effort as a volunteer in order to spice up our activities.

I look forward to seeing you at the Club meeting in January, and for those who arrive in Carlsbad early for the Club meeting, come out and join us in the eateries of the area for dinner and an eye-ball QSO. Talk-in on 146.730 Repeater. 73 de NN3V

Club Membership

Al Donlevy

W6GNI@amsat.org

Good News: More New Members Joining PARC: **KG6GYT**, **N7BFO**, and **KC9AJY**; and **KC6UHI** sent in his renewal for 5 years. Way to go Eugene, and thanks.

When you hear these calls on a repeater, greet our new and renewed members.

Did you check your last months label to see if the "Participation Point" number looked right? No one contacted me about errors, so I must

be perfect. Those three folks that had one too many points credited didn't come forward either! If you think that you have been shortchanged on points, please send me e-mail at aldonlevy@juno.com, or drop me a note at the membership table during a meeting.

It will be helpful to know where you feel you were short changed, so I can search the SCOPEs or the sign-in sheets for your call.

Mentioning the "sign-in" sheets; please try to write your call so it is easy to read. New point totals will be printed again in a couple months. Just another reason to check your SCOPE label. 73 and Thank you. Al, W6GNI

Ye Editor

Your editor has decided that it is time to retire from being editor of the Scope and to spend more time with some of my newer interests which

bring pleasure.

This means that this January 2002 issue of the Scope will be my last issue as editor.

As president of the club in the 80's I provided the editor, Ralph **K6HAV**, with the president's column and usually an additional page. When Ralph left for Salt Lake City the Board could not find a replacement Editor so I took over since I was becoming a major contributor by virtue of being president and Repeater Site Chairman. I also had been attending most of the fold and staple parties for the Scope so I was familiar with the production side also.

My first issue that I edited and produced was the September 1990 Scope which turned out to be a semi disaster since it was an 8 page Scope(4 sheets) but I forgot to tell the printer to make sure that it was printed on only 4 sheets (front and back). The resultant publication was 8 sheets with all the backs just white paper!

About that time I was using a Radio Shack Model III computer and a RS daisywheel printer. Later I graduated to a RS Mod IV which had almost no memory and everything was stored on 3.5" disks. The word processor program was written in BASIC.

Most of what I did was to print all material, cut it out, and then paste it using REAL paste to a blank sheet of paper. Great Fun but there was a "real" feeling for CUT and PASTE!!

The Radio Shack Model III's and Model IV's served me quite well (I still have 7+ of them) until April of 1996 when I produced my first issue on an IBM (Datel) computer which I am still using today. By that time I had produced 809 pages.

So I will end my 65 issues of the Scope with page 1,630 of this January 2002 issue of the Scope.

From what I have been able to determine Mable Field **W6YZV**, who now lives in Fallbrook, was one of our first secretaries that produced a one page flyer announcing meetings. My memory seems to indicate that **K6ROR** (always liked that callsign) possibly produced some flyers also which finally were turned over to Ralph Crossman **K6HAV** who produced a one page newsletter whose heading had on it the word Scope. His one page "Scope" started out being produced on a teletype machine with everything in caps and the Scope was on legal size paper (8.5x14) and printed on both sides.

Later on Ralph got one of the first IBM's and launched us into the computerized Scope. (I might be missing Ralph doing some of the

Treasurer \$\$\$\$\$			
Jo Ashley KB6NMK @amsat.org			
See me at club meetings for "hard copies" of financial statement(s). Last month's Scope Helpers: Thanks to Art and Anita for the folding space and the	Location	11.02.01	11.30.01
	CD179-1311891-8	3,104.00	3,130.67
	CD8761216457-6	2,485.89	2,494.70
	CD8761216625-9	2,626.36	2,645.13
	CD8761216778-6	2,610.68	2,619.93
	CD8761391556-4	3,149.85	3,162.93
	Checking 010566	858.36	818.56
	Post Office	103.27	104.11
	Ca\$h+CD's	14,938.41	14,976.03
	LongTermReserve	6,000.00	5,000.00
Equip. Self Insure	600.00	600.00	
Pre-Pd.dues	7,246.00	8,584.00	
projects/available	1,092.41	792.03	

KC6WAN Ralph Powell		N6OYG Victor Musil
N6UZH Terri Brewer	&	MY2KID , Tyler/Matt
KB6NMK Jo Ashley		W6GNI Al Donlevy
KB6YHZ Art Nye	&	KB6YHY Anita Nye
W9FQN Stan Rohrer		

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Please check our complete ads in **QST, 73, CQ, and World Radio** magazines.

Scope on an electric typewriter). Lots of what we did before was "real" cut and paste much like we do today but with computers now doing the old COPY and PASTE.

So if you want to call the one page flyers the beginning of the Scope then there probably have been only 3 major Editors since the club was founded in 1936: W6YZV, K6HAV, and W9FQN.

If we could just get Ralph K6HAV who is alive and kicking in Salt Lake City to start typing some history of the Scope, we probably would have a much clearer picture of what happened before I started really participation in 1983 with club activities. Ralph was editor for 17 years besides being Technical Chairman for several years.

I had been in the North County area since 1970 but spent my time visiting between the Palomar Amateur Radio Club and the Escondido Club.

Because of the PARC repeater coverage and my discovery of handi-talkies, I joined PARC in the mid 70's and became one of the "anonymous" club members who sat at the back of the room and "sneaked out" when things were not very exciting.

I suspect I was a member of the club for about 5-6 years with no one knowing that I existed ..or my name.

I think it was in 1983 that the club was given a 70 ft commercial tower off of a building down in San Diego and the club started looking for someone to engineer the installing of the tower at the club's repeater site on Palomar Mountain which I had never seen.

Since no one showed any interested in the project, I volunteered to do all of the engineering calculations for the county and to install it in 18 tons of cement at the repeater site.

One of our ham engineers signed

off on my calculations and with the proper permits in hand a 6'x6'x6' hole was dug at the repeater site with bell edges at the bottom and the 18 tons of cement was poured by myself and Sr. Juan Gonzalez, a Mexican worker, with the tower erection occurring after the cement had cured.

Volunteering to do the tower was probably a mistake since I was no longer an anonymous person sitting in the back row and it was more and more difficult to "sneak out" as I had been doing previously.

From engineering the tower in rapid succession it was Repeater Site Chairman, president of the club for seven years, and then 10+ years as the Scope Editor.

Some of you have probably noticed the horse and buggy with the whip antenna on the last page of the Scope.

I was born in a small town in northern Indiana where there were lots of horse and buggies and they are even there to this day.

I have decided that it is time to clean house and get rid of the four Radio Shack Mod III's down stairs the and three RS Mod IV's. I don't think I will be using them anymore but I will keep this computer warm with some of the other things that I have interests in.

So this is really not good-bye to all of my friends but my drifting back towards the back of the room where I can be more anonymous than I am at present ..just like the old days!

Many thanks to all who have helped with the Scope materials, the Scope production people and to those who have helped at the repeater site over these past 18+ years. **You were and are greatly appreciated by me.**

73, Stan W9FQN

P.S.and a special Thanks to the climbers. We had fun while looking down on everyone else!

Committee Chairmen

ARESInfo. -Dennis S	K7DCG@amsat.org
Attendance -Al	W6GNI@amsat.org
ATV -Bills KB6MCU	W6GIC@amsat.org
Auction -Jim C.	NE6O@amsat.org
Badges new -Al	W6GNI@amsat.org
Batteries -David KD6EBY	DAT@Gerry.Palomar.caltech.edu
BBSMonitor -Bill B	N6FMK@amsat.org
Billing:Ads/etc-Lyell K	K6GVM@arrl.net
By-laws -Paul KF6VIE	pdecicco@pondlaw.com
& -Ron RWA9JCL	r3mb@concentric.net
Contest Info -Dennis V	N6KI@amsat.org
ControlOps. -filled	W6NWW@amsat.org
D.Mar Fair-	
Emergency QTH's (Emergency Com. Centers)	
HarryH -W6YOO	W6YOO@amsat.org
DennisV-N6KI	N6KI@amsat.org
Field Day -Charlie R	NN3V@ARRL.net
FDTech. -John K	WB6IQS@Juno.com
Historian -	
Interference -Bills KB6MCU	W6GIC@amsat.org
Inventory -Dennis B	dennisKD6TUJ@juno.com
MtgGoodies -Jim E	Whisky6SST@juno.com
Membership -Al W6GNI	aldonlevy@juno.com
Nets -	
Newsletter -	
PALBBSpkt -Bruno H	KF6QDP@amsat.org
Patch Info -	
PatchETronics-Jerry H	WB6FMT@amsat.org
Picnic -PaulD	NN6X@amsat.org
PowerAC/DC-Mike P	KD6VHI@amsat.org
Programs -Charlie R	NN3V@ARRL.net
Publicity -Fred S	K6ISS@amsat.org
QSL Cards -Merle R	KR6BT@Juno.com
RACESinfo -Jo A	KB6NMK@amsat.org
Red Flag - W6HCD	NashWilliams@Compuserve.com
Rptr Site -	
Rptr Skeds -	
SANDARC -	
SellerTable -John K	WB6IQS@Juno.com
AstSWDivDir-Walt	WA6ODQ@arrl.net
TechSite -Mike D	AB6QT@amsat.org
TestingVE -Rusty M,	DuneDancer@worldnet.att.net
Training -	W6NWW@amsat.org
TrusteeW6NWW-Mike D	AB6QT@amsat.org
Web Site -Frank L	KE6WOE@amsat.org

(Net Managers) (see pg.12)

ARES Sun -	
Staff Net -David D	KC6YSO@amsat.org
ARES 6m -David D	KC6YSO@amsat.org
Ham Help -David D	KC6YSO@amsat.org
Hiking -Ed	KF6DXX@Juno.com
-Glenn P KE6ZLY	KE6ZLY@Juno.com
MARA -Cathy KE6IQU	W6NWW@amsat.org
Microwave -Kerry B	N6IZW@qualcomm.com
Off Road -Jerry A	jwtak6pfp@cts.com
-Dick W KA7AYT	rwilimek@home.com

Sailors -
Traffic(SDCTN)-Charles**N6TEP** **cmiele@juno.com**

Questions about club policy or for information can be addressed to **W6NWW@amsat.org** or P. O. Box 73, Vista, CA 92085-0073.

?? For Sail E

(12.11)CW KEYER MFJ-401D less than year old includes pwr adapter & manual \$35; Bernie N6FN 760-781-5522Wk, 760-746-7411Hm.

(12.11) **Drake** Communications Receiver Mod 2-B \$100; Calrad SR-16 SWR bridge \$10; Ruth 760-727-3178 Vista.

(11.20)**Ten-Tec** HF Corsair 80-10m w/ pwr sup \$300; Kantronics Kam + cables, Hostmaster 11 + Pactor \$100; Yeasu FT227R 2m Memorizer \$30; Icom IC25H \$30; Isopol ant \$10; G5RV full size 80-10m new \$30; HP Desk Jet 660C printer \$40; Max KB7RNP maxkb7rnp@aol.com 909-696-8495.

(11.19)10m 4el beam SS hardware asking \$75; 13el 2m beam SS hardware \$30; Bayard K6GAO 619-594-6063 days or 858-755-5507 nights.

(????) please note that I lost this month's ads to a computer program crash so I might be missing some of the recent ads and including some that need to be dropped. Sorry about that! -Ed)

(9.19)**N6OLE** Home made Grid Dip Meter with docs, must see to appreciate this work of art(Best Offer); Sears **ROAD-TALKER40** SSB XCVR \$50; military throat mic + headphones BO; Precision "Steel Six" lab mtrs. \$5 ea; Proximator I vehicle det. \$2; **Olson** CB067 Swr Mtr. \$3; Keithly Auto R. Mtr. \$15; Motion Det. Solfan 5240 \$5; 25v.3A Reg. Pwr Sup \$20; Sabetronics Freq. Cntr mod. **8110A** \$20; **Healthdyne** Lab digital thermometer mod.

Jeff N6FRW Grace N6WPA

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www.nicdlady.com e-mail: nicdlady@nicdlady.

Personal equipment ads are free to members and could be "bumped" after 3 mo. Make up your ad like the ones on this page. Send to Editor before the 20th of each month.

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

Editor: **W6NWG@amsat.org**

2000 \$5; call AB6QT at 760-742-1573 after 5pm.

(10.27)**Heathkit**-SB-200 amp(10-80m) \$300; **KENWOOD** TMV7A 2m/440 mobile w/mobile mount -no separation cable \$325; **ICOM** 706 w/separation cable \$500; **ICOM** 471A allmode 420-450 mhz \$400; **TIMEWAVE** DSP 59+ make offer No trades. KO6ET@amsat.org Steve.

(10.22)**BNC** cables are RG-63/U, 93 ohm, about 25 feet long \$1ea; Fred Brown fwb@cts.com Palomar Mt.

(9.05)**Kenwood** 30A pwr new box ???; **Icom R100** unblocked scanner 1-1856MHz \$400; **Yaesu** FT23 TTP-EC/DC \$124; **Yaesu** FT7005 TTP-EC/DC \$150; Yaesu Spkr mic \$30 & VOX headset \$20; Yaesu(2) NC29 chargers \$50ea; Yaesu NC37 charger \$55; (above OBO + 4 batteries); Complete listing of above and other items at meeting (see W9FQN); Stu K6EXL 760-757-9206.

(8.20)**Heathkit** DX-35 Transmitter, Heathkit Conelrad Alarm CA-1, Titen 6 meter base amplifier 100w, WRE Decade Resistor model ARD-41, HP 34072A digital multimeter & will accept reasonable offer: Harold KG6DVD 760-630-8701

(6.29)**Icoms** IC-2100H \$139 OBO 5mo old w/instructions manual box & no mods; IC-T7H Dual Band Handheld \$139 OBO manual, box, gud condition, little use: KG6AZK 619-588-2493 jacox@home.com

- (5.09)**ESTATE KG6AMQ(SK)** Sale-
1. **Yaesu** YS-60 1.6 - 60 MHz Power & SWR Meter. Meter has 0 - 2 Kw power handling capacity. Mint condition \$140
 2. **VCI** V300M 300w HF ant. tuner \$85
 3. **Yaesu** SP-767 speaker and phone patch. Ideal for use as a phone patch and external speaker for any HF rig \$80
 4. Radial **Larsen** 2m glass mt 1/2 ant \$40
 5. **Van Gorden** HI-Q 1-1 Balun \$20
 6. KB6MT High speed code course (3 cassette tapes & manual) \$15
 7. **Technician** "No-Code Plus" FCC license preparation course. 3rd. edition. Question effective through June 2001 \$5
- Prices negotiable to best best offer, contact 619-686-5607, or NN3V@amsat.org

HAM RADIO OUTLET

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Ron
N6OMW

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and
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numerous to
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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.

Dec98

WANTED: (A few good men/women) ?

(10.22) Need diagram of **Tempo-1**:
Fred Brown fwb@cts.com Palomar
Mt.

(8.26) Wanted Heathkit Apache
transmitter and **Heathkit** Mohawk
receiver: Hugh K4ESQ via
W9FQN@Juno.com

(5.28) **Wanted kit builder** (elecra-
ft k1 kit): Don KF6NMA Poway (858)
486-5927 donald@henkearchitect.com

Ham Radio Mags

I have (unwisely) inherited a
complete set of Ham Radio
Magazines. The set is bound with
twine and in bags.

They are yours for the asking.
Just think of all the great
information and diagrams in these
magazines.

Rod Davis <rdavis@abac.com>

Contests

Harry Hodges W6YOO@amsat.org

Dec 29 Canada Winter Contest

Dec 29 Stew Perry 160 Meter Contest

Jan 5 ARRL RTTY Roundup

Jan 11 Japan Int'l DX CW-Low Bands

Jan 12 N.American QSO Party - CW

Jan 19 N.American QSO Party - SSB

Jan 20 ARRL VHF Sweepstakes

Jan 25 CQ WW 160m Contest - CW

Jan 26 BARTG RTTY Sprint

Jan 26 Kansas QSO Party

Feb 2 VT, NH, ME, DE QSO Parties

Feb 2 Freeze Your Buns Off QRP

Field Day, 80-10 Mtr, CW&SSB

Feb 3 North American Sprint

Several rare states will be
holding their QSO parties and you'll
have a chance of increasing your
WAS score. Contests for the 160
Meter buffs, RTTY types, and CW
contesters. The list is not all
inclusive as there are several minor
contests during this period.

See QST, CQ, Worldradio and
the National Contest Journal for
contest rules. GL in the contest. 73
de Harry, W6YOO

Lost & Found

Someone lost a glasses case at the
November meeting. See **W6GNIAI**
at meetings. (last call)

Earthquakes

Paul Dorey WN6K@amsat.org

(I think it was yesterday) that I
heard some discussion on the
repeater about feeling an earthquake
of an unknown origin. When
operators mentioned that they could
not find any information on the
Internet from the USGS site (it has
been closed for a few days now) I
remembered getting an email from a
colleague last week about the
closing of the site. They offered the
following link however as the
alternative:

<http://www.trinet.org/recenteqs/Maps/117-33.html>

As Amateurs "ready to stand at
the ready," we should all have this
one 'refreshed' in our bookmarks
(Netscape) and Favorites
(Exploder) browsers. WN6K,
Paul

Web Busy?

Check out this URL to see how
busy the web is -

<http://www.mids.org/weather/>

A DETAILED INTERNET SPEED
REPORT

This "Internet Weather Report"
presents ongoing animated scans of
conditions within the Internet. It is
like a daily newspaper or television
weather radar report, except instead
of being about real world
meteorology, it is about conditions
inside the Internet itself.

The Internet Weather Report is
presented in geographical maps that
show "lag," which is round trip ping-
time (latency), from the service's
office in Austin, Texas to thousands
of Internet domains worldwide.

<http://www.mids.org/weather/>

(URL submitted by Phil Wells)

E-mail

Stan: I was reading FCC 01-290
NPRM Oct 2, 2001, Paragraph 25,
SAVI petition for Rule making. ...
wants to increase the permitted field
strength of its RF ID tags that work
on 433 MHz.

They would like to use the tags
in the 420~450 MHz band!!

Could be bad news for low
signal level 70cm hams. Peter
VE7CQA

de ARRL

* As a free service to ARRL Members,
ARRL Members may complete and
sign an NCVEC Form 605 (<http://www.arrl.org/arrlvec/ncvec605-3.pdf>)
and return it to ARRL HQ. ARRL HQ
staff will in turn file the application
data electronically with the FCC. The
processing time will take only a few
days or less once the application
reaches ARRL HQ. Send such
applications to:

ARRL VEC, 225 Main St, Newington
CT 06111 USA.

Non-members are welcome to first
sign up for membership and then use
this service. For membership
information, including an on-line
membership application, see <http://www.arrl.org/join.html>. For NCVEC
Form 605 see <http://www.arrl.org/fcc/forms.html>. If preferred, non-members
can mail a check (or the credit card
charge info) for the applicable current
membership rate for themselves in the
same envelope with a completed
NCVEC Form 605 and ARRL HQ will
immediately process the membership
request and shortly thereafter the
NCVEC Form 605 FCC license
renewal/update request. Vanity
requests must still be handled
separately by mail or on line directly
with the FCC (or via someone serving
as a filing agent, such as the W5YI
Group).

Repeater Status 12.16.01

146.730+ : **Normal**
147.075- : **Normal ?**
147.130- : **Normal**
447.000- : **Normal** *No patch attached*
52.680 : **Normal?**
146.700- : Packet Repeater **Normal**
145.050s : Packet Digi **Normal**
PALBBS : Bulletin Board **Normal**
AutoPatch: **Normal** except for 447.000
ATV : Operational

Work Parties

W9FQN will not be

SK's

Unfortunately in this Happy Season we are announcing the passing of the following amateurs -Ed

N6OLE SK

Ivan N6OLE for several years served as Net Manager for the Thursday Evening Ham Help net until his health would no longer allow him to participate. He was always willing to help anyone on or off the air with their technical problems. Those answers that were not on the tip of his tongue, were answered from a large library he maintained in short order. He also had a vast inventory of electronic parts, hardware, and test equipment he had refurbished. Anything that failed was subject to a very close examination to determine why, and he was able to provide a solution to prevent a failure of that part of the equipment from reoccurring. Most everything he worked on was improved either in function or reliability and often both.

Ivan made his own VHF power meter from an article in the ARRL Antenna Manual. I helped him calibrate it and a set of loads so that he could check the calibration at his home. Ivan used this meter to measure a Yagi antenna he constructed for 2M. He made the antenna so that each element was adjustable, and set out to test the calculated values of different designs compared with measurements

Technical, autopatch, repeaters, etc:

AB6QT@amsat.org (Rptrs); W9FQN@amsat.org (autopatch/work parties)

pg.7
-7-
1.627

he had taken. He finally settled on a design that gave him the performance that he wanted and used that antenna for several years. It was important to Ivan to completely understand the antenna before he would use it. That and several other antennas he had made had complete VSWR curves over the band they were designed to operate on. Everything he did was done with the same determination to understand both the theory and practice and have them agree to the last detail.

A friend of mine worked for Ivan in the late 50's at Stromberg Carlson. He was calibrating meters and often a resistor value that was needed to obtain the most accurate reading was not found. Ivan showed him a technique of choosing the next highest value and heating it with a soldering iron until the meter read 105 % of the desired reading. After the resistor cooled the meter would read exactly 100%! This technique was known as Kemperizing a resistor, of course named after it's inventor, Ivan Kemper.

Ivan also had an infinite amount of patience in teaching others. He would try to explain a thought in several

different ways using analogies to help others to understand a technical concept. He was always helpful and shared his knowledge, never withheld any information he had on a technical subject. Ivan definitely learned by doing and he shared what he learned with everyone that was interested.

His analytical mind retained almost everything he learned and his knowledge extended far beyond electronics. A great man, who will be missed by all those who seek knowledge, and remembered for his willingness to share his knowledge with all who would take the time to ask him. Art, KC6UQH

SK !. N6OLE Ivan Kemper. It is with great sadness that I heard of the passing of a very good friend, Ivan Kemper. Ivan passed away on Dec. 1, 2001. He was a man of many titles. Dad, Grandad, CW operator, Quality Control Expert, Teacher, Inventor, Electronics Engineer, and Photographer to name a few. I remember when I first met him. It was at Murphy's Surplus in El Cajon. He heard me talking to another ham on the

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radio about where I was going, and Ivan then entered the QSO and gave me directions on how to get there.

When I arrived at the store, Ivan was soon to follow. We had a great time looking through the "junk" and he told me of many things that he had found in that store over the years, and along with every purchase that he had made, came a story. He had a knack for explaining things in simple terms that were in reality very technical. He had a curious mind that led him to vast quantities of knowledge.

Ivan could take something apart that didn't work, evaluate it, understand everything about it in detail, and often times fix it better than its original design.

His wife of 57 years Roberta, and his daughter Ann took amazingly good care of him through his illness over the past few years. It has been an honor and a pleasure to have met them and to know them. Ivan met Roberta on a Greyhound bus one day when there were no seats on the bus except for the one next to her, and he asked if the seat was taken. The rest of that story is obvious.

Ivan was always swilling to help people with their questions. One of the things that he said more than once, that I will remember forever, is the statement: "Don't be afraid to ask questions, because the stupid question is the one that is not asked".

When you ask "What will I miss about Ivan?", the answers are many, and he will be missed by all who knew him. 73 Ivan de AB6QT.

dididit dahdahdah didahdidit dahdahdah dahdit dahdahdit

W9STN SK (WA6YGK)

George W9STN passed away on Tuesday Nov. 27. Word I got was that services will be toward (the) latter part of next week with Viewing on Thursday Dec. 6 and funeral on Friday Dec 7, I will let you know when I have more info. 73, Dennis N6KI

Received bad news from Roy Davis WB9RKN that his next door neighbor,

George Uminski, W9STN (ex K6YGK) became a silent key, possibly earlier today.

Very sad....he was a wonderful happy guy, with hardly a care in the world.

73, Dennis N6KI

N6FSQ SK

SK! N6FSQ Rita from Valley Center, formerly "Rita from Ranchita" passed

away in November. This has come to me from a friend in Oklahoma, WB6BKJ, Jack, who I consider to be a very reliable source. de AB6QT.

K6TPP SK

Carl Williams of Vista (born in Texas) died November 16th. Carl lived in Vista for 54 years and served in the Navy for over 20 years before retiring. While in the Navy, he once played the Star Spangled Banner 57 times in one day while President Roosevelt viewed the Navy Fleet. After discharge he worked at Camp Pendleton for 21 years.

Board Mtg. Minutes

Paul Williamson KB5MU@amsat.org
Palomar Amateur Radio Club, Inc.
Board of Directors
December 12, 2001

The regular monthly meeting of the Board of Directors was called to order by NN3V at 7:00 PM on December 12, 2001, at the home of NN3V.

Present were:

President Charles Ristorcelli, NN3V
Vice President Mark Raptis, KF6WTN
Treasurer Jo Ashley, KB6NMK
Secretary Paul Williamson, KB5MU
Director #1 Paul DeCicco, NN6X
Director #2 Jim Cooper, NE6O
Rpter Site Chairman Stan Rohrer, W9FQN
Rpter Tech Chair Mike Doyle, AB6QT
Membership Chair Al Donlevy, W6GNI

E-mail addresses were verified while taking attendance. All present may be reached using their callsign@amsat.org mail alias.

Treasurer's Report KB6NMK presented the Treasurer's Report in writing as a Balance Sheet summary. The \$600 amount

shown as "Prop. Insurance" is an amount set aside as "self insurance" for property losses, in lieu of purchasing an expensive insurance policy against equipment loss.

The policy document for the club's liability insurance policy (purchased from the ARRL insurance supplier) was transferred to W9FQN for safe-keeping in his personal safe deposit box, along with other important club documents.

It was suggested that perhaps the club could get a free safe deposit box from our bank. KB6NMK stated that the bank isn't giving anything away, and in fact we would not be able to obtain a free checking account as a business. NN3V stated that many banks have free checking for small businesses, with a limit on the number of checks written.

It was noted that the balance sheet shows only cash assets, and does not show the club's real property or capital equipment assets. KB6NMK noted that the club does not pay taxes based on an exemption for businesses with small assets, and that a more complete accounting of the club's assets might put us over the threshold.

Motion by KB5MU to accept the Treasurer's Report as submitted. Seconded by AB6QT. Motion passed unanimously.

Secretary's Report The minutes of the previous Board meeting had been published in the SCOPE. Motion by KB5MU to accept the minutes as published. Seconded by W9FQN. Motion passed unanimously.

New Board Members and Challenges for 2002 NN3V welcomed the newly elected members to the Board, and thanked them for stepping forward.

NN3V listed three specific points of concern for the coming year:

...Many new hams are licensed each month, but many of them don't show up at club meetings or become actively involved in the hobby.

...There is a need to increase volunteerism within the club. For one reason, much of the work of the club has been carried by a few stalwarts, who will eventually burn out.

...There is a need to make club activities attractive to new hams.

NN3V stated his intention to appoint a young (under 50 or preferably under 25), newly-licensed ham as a non-voting member of the Board, in order to hear the new ham's perspective in Board deliberations.

Board Member Duties It was stated

that Director #1 traditionally handles the annual picnic, while Director #2 traditionally handles the annual auction. It was also stated that these jobs are negotiated between the two directors.

SCOPE NN3V distributed copies of W9FQN's letter stating his intention to step down as Editor of the newsletter as of the December issue. NN3V thanked W9FQN for agreeing to complete the January issue before stepping down. W9FQN presented his proposal for how the Board members could divide up the work of preparing the February issue. Camera-ready copy is normally delivered to Print World on Monday morning of the week before the membership meeting.

It was asked what obligation we have to the SCOPE advertisers, in case the SCOPE is not published. W9FQN stated that there was no written contract with the advertisers, but that some advertisers have paid for several months in advance.

KF6WTN stated that the primary need was for a new Editor, and that he would be willing to seek volunteers for that position.

NN3V appointed NN3V, KF6WTN, KB6NMK, and W6GNI to serve as an ad hoc committee to set the schedule and assign tasks for completion of the next issue(s) of the SCOPE.

Standing Committee Chair Appointments NN3V re-appointed W9FQN as Repeater Site Chairman, AB6QT as Repeater Technical Chairman, and W6GNI as Membership Chairman. The post of Editor of the newsletter remains open. Motion by KB5MU to approve these appointments. Seconded by KF6WTN. Motion passed unanimously.

During this discussion, W9FQN left the meeting.

NN3V declined to appoint standing committee chairmen to serve on the Board at this time. After considerable discussion, the Board consented informally to permit this interpretation of the Bylaws, since the Bylaws do not specify when the President must make these appointments. Until such time as the President appoints three standing committee chairmen to the Board, the Board will continue to act with only the six elected members voting.

Repeater Policy Letter to KC6YSO KB5MU presented two drafts of a letter to Dave Doan, KC6YSO, in his role as Section Emergency Coordinator for the San Diego Section and in the Amateur Radio Emergency Service. This letter was requested by KC6YSO to publish the club's policies regarding occasional group use of the club's repeaters. Both versions of

the letter include the current policy as affirmed by the Board on September 12, 2001. The first version simply presents the policy. The second version adds a statement that the Board has appointed a committee to revise the policy.

KB5MU stated that the current policy is in need of revision for a number of reasons. The current policy is hostile to the potential user, where it should be welcoming and cooperative, and it singles out a number of specific FCC rules and regulations where it would be better to insist on compliance with all the rules.

Motion by KB5MU that the President appoint a committee to study the revision of the Non-Regular Group User Permit Repeater Policy. Seconded by NN6X. Motion passed unanimously (with the six elected members voting).

Motion by KB5MU that the Board direct the Secretary to send the second version of the letter. Seconded by KF6WTN. Motion passed unanimously (with the six elected members voting).

NN3V appointed KB5MU, AB6QT, NN6X, and NE6O to serve as the committee to study the revision of the Non-Regular Group User Permit Repeater Policy.

Board Attendance by Telephone NN3V stated that he intended to take advantage of the provision in the Bylaws permitting Board members to attend by telephone or radio, when convenient for members unable to attend the meeting otherwise.

Silent Keys It was noted that club members W9STN, N6OLE, and N6FSQ all recently passed away.

Repeater Electrical Issue AB6QT stated that he was still detecting 3 to 7 amps of current in the safety ground wire at the repeater site, despite an attempt by SDG&E to fix the problem and the removal of most electrical equipment from the old building. He stated that he needed time to re-evaluate the problem before approaching SDG&E again. KB5MU and KF6WTN volunteered to provide assistance if needed.

Upcoming Membership Meetings KF6WTN reported that the January meeting program would be on noise suppression and grounding in mobile rigs. Possible future programs include a speaker from NOAA on SkyWarn, weather forecasting, and flash flood watches; and technical programs on batteries and microcontrollers.

Directors' Comments NE6O had no comment. NN6X pointed out the need for identified club objectives for this year.

Membership Report W6GNI stated that the club's membership is currently 521, down 5 from the previous month. A few members are signing up for five-year renewals, which is

appreciated. The old round membership badges are no longer being made, though KB6NMK stated that a number of badges are still waiting to be picked up.

Board Night Net Under new business, KF6WTN proposed that the club hold a "Board Night" net on a regular basis. A designated member of the board would present current club news and accept input from club members.

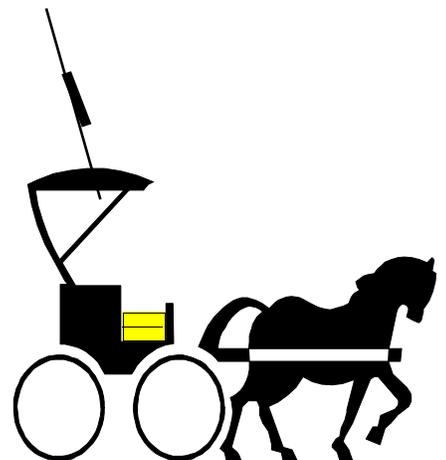
Next Board Meeting NN3V stated that the next regular Board meeting would be held at his home again, at 7:00 PM on the Wednesday following the January club meeting.

At this point AB6QT left the meeting.

Ad Hoc Committee Schedule The members of the new ad hoc committee (to set the schedule and assign tasks for completion of the next issue(s) of the SCOPE) agreed to hold its first meeting at 4:00 PM on Friday, December 28, at the home of NN3V.

Adjournment The meeting was adjourned at 9:00 PM. Respectfully Submitted, Paul KB5MU.

(W9FQN chose to leave the Board meeting "after" the president declined to submit to the Board the remaining members of the Board for approval - Ed)



PARC NETS (06/01)

All 147.075 10-11pm MCW contacts

All 147.130 2200+ pm Facitious Group

Sun.146.730 8:30am AREmergency Service

Sun.146.730 10:00am Sunday Sailor's Net

Sun.147.075 8:45pm MARA Net

Mon.146.730 9:00pm Microwave Net

Tue.146.730 8:00pm Traffic Net (SDCTN)

Tue 146.730 9:00pm Off Roothing Net

Thu.146.730 8:00pm Traffic Net (SDCTN)

Thu.146.730 9:00pm Ham Help Net

(electronics, computers, antennas, license theory, etc.)

Fri.146.730 9:00pm Hiker's Net

Sat. 146.730 8:00pm Traffic Net (SDCTN)

Sat. 52.680 8:00pm 6m ARES Net

"other non-PARC nets"

Convair/220 Club: 224.900 PL 107.2 Hz

Mon 8:30pm, Tech. & News

Fallbrook ARC:146.175 + PL 107.2 Hz

Tues 7:00pm, General Discussions

POSTMASTER:

Send address changes to Scope,
P.O.Box 73, Vista, CA 92085

Time Dated Material



Jan

2002

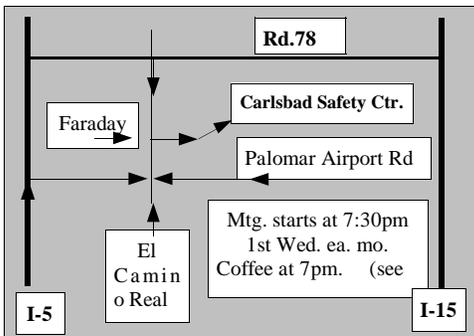
pg.10

-10-

1,630

The End!

Periodicals
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at Vista CA
92085-9998



pse cover me!

Fold, I am not sold but old and cold, I am told !

PARC Web Page (KE6WOE)

<http://members.home.net/parc/>

OPEN Repeaters/CLOSED Patches

Palomar Mt. Repeaters (W6NWG)

PARC Trustee of W6NWG: AB6QT

*52.680- W6NWG, -0.5 MHz

Autopatches(4): 146.730-, *147.075+
*147.130+, *447.000-

PKT: 145.050s (PALMAR/W6NWG-1)

146.700-(Duplex Pkt) PALBBS/EMG use

145.070/146.7- (W6NWG-3/PALBBS)

ATV "OUTPUT": 1241.25 MHz AM

ATV"IN": 915wbfm, 919am,

2441.25wbfm

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

P.A.R.C. Inc (2001 Board)

Pres:Charlie Ristorcelli NN3V 858.676.3307
NN3V@amsat.org

VP: Mark Raptis KF6WTN 760.749.4825
KF6WTN@amsat.org

Sec: Paul Williamson KB5MU 858.571.8585h
(760-742-9924PalomarMt) KB5MU@amsat.org

Treas: Jo Ashley KB6NMK 760.741.2560
KB6NMK@amsat.org

Dir#1: Paul DeCiddo NN6X
NN6X@amsat.org

Dir#2: Jim Cooper NE6O 760-727-8446
NE6O@amsat.org

(According to the minutes, the remaining
three Board members were not appointed and
the nine member Board as required by the By-
laws will function with only 6 members for
the present -Ed)

Web Pages

PARC's Home Page - KE6WOE

<http://members.home.net/parc/>

Rod's General Home Page - AC6V

<http://ac6v.com/>

ARES Alert Publication

<http://www.qsl.net/sdgarrl/alert.htm>

Tom's Hiker's Home Page - KF6PAZ

<http://www.fanciful.org/san-diego-hiker>

PARC Testing - tests given each 2nd

Saturday at 9:30 am in the Carlsbad
Safety center in Carlsbad. Contact Rusty
AA6OM at 760-747-5872 or at

DuneDancer@worldnet.att.net

Register 5-7 days in advance for tests.

Escondido Testing - examinations on the
LAST Saturday @ 9:00am, Chamber of
Commerce, 720 N.Broadway, Esc 92025.
Contact Harry W6YOO 760-743-4212.



Scope

146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05

Feb
'02
pg.1

Palomar Amateur Radio Club Inc.

also ATV &
4 Autopatches

Scope (USPS #076530) Vol. XXVIII No. 2, Feb 2002, published monthly by PARC, 1651 Mesa Verde Dr., Vista, CA, 92084. Periodicals postage pd. at Vista, CA 92085.

Dues \$12/yr or \$21/family/yr (includes newsletter subscription)
Interim Editor: Jim Cooper NE6O, 2012 Applewood Ln, Vista, CA 92083

POSTMASTER: Send address changes to SCOPE,
P.O. Box 73, Vista CA 92085-0073.

Send \$12 Dues To:
PARC, Box 73
Vista CA 92085-0073

See pg. 10: PARC Frequencies, Club Officers, and PARC Nets.

Club Meeting

Mark Raptis KF6WTN@amsat.org
(Meetings are held the 1st Wednesday of each month at the Carlsbad Safety Center in Carlsbad at 7:30 p.m. although most come at 7:00. See map on page 10 for directions -Ed)

This month's presentation at the general meeting will be from Jeff 'Shorty' Stouffer K6JSI. Shorty is the owner/operator of a linked repeater network here in California. He will be discussing just how many things you can do with a UHF radio. The major topics will be how a linked repeater system works and the use of IRLP in linking repeaters. This should be a wonderful presentation.

Coming Events

Feb 6, Wed - Club mtg, program
Feb 13, Wed - Board meeting
June 22,23, Sat,Sun - **FIELD DAY**

Goodie Table

PARC thanks everyone who brought goodies to the last club meeting.

We did not keep a record of who you were, but the goodies were GREAT!

WANTED:

ONE GOOD EDITOR!

HELP HELP HELP HELP
HELP HELP HELP

Charlie Ristorcelli NN3V@amsat.org

After MANY, MANY, MANY years of service as Scope Editor, W9FQN (Stan) announced he is taking a break and will no longer edit Scope, effective with the January edition.

For the immediate future, beginning with the February issues, on a temporary basis Scope will be prepared by a back-up team to ensure it is published monthly.

BUT WE MUST FIND A NEW EDITOR!

I solicit anyone interested in helping to contact any PARC Board Member **IMMEDIATELY.**

Without your help, and the volunteerism of a new editor, we will not be able to assure continued, consistent publication of Scope.

Skills for editor are modest (obviously, no one can just step in to replace Stan's legendary work).

But as with all things, we have to move forward. We are looking for someone who is computer

knowledgeable in desktop publishing, and who will work with the Board to develop a process for continued editing of Scope.

73 DE NN3V

President's Message

Charlie Ristorcelli NN3V@amsat.org

President's Message. - Greetings to all. Looks like 2002 is off to a running start.

As the year started, I was in "the woodwork" listening to an interesting QSO on 146.730 between a new licensee and an "old timer" regarding the purpose of ham radio. The new licensee's comments caused me to go home, dust off and boot up my I.E. 5.0 web browser, point it at <http://arrl.org> where I found the following FCC Part 97 prioritized definition of Amateur Radio's purpose:

"The rules and regulations in this Part are designed to provide an amateur radio service having a fundamental purpose as expressed in the following principles:

- (a) Recognition and enhancement of the value of the amateur service to the pub-

lic as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.

- (b) Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art.
- (c)

It was refreshing to hear the new licensee speak authoritatively about that opening preamble. She was convinced of the importance of service, and while she was aware of emergency service communications (she mentioned ARES and RACES), what piqued my ear was her questioning the "old timer" about how she might experiment with modes other than those available from her hand held, as she wanted to learn about worldwide communications, and how to help disaster relief overseas.

I was impressed by her combination of the two first elements of the FCC's introduction of Part 97. She was interested in emergency services, and also wondering how to set up for long haul communications. She started out with the "hand held rice box" available at Radio Shack (or any other place such as HRO, AES, etc), and is now looking for guidance on how to experiment!

One of the most valuable services PARC can offer San Diego county is a strong outreach to new licensees (even Extras) to help them as they "climb the ropes" of ham radio, as that YL indicated she was trying to do in her QSO, and her questioning of the "old timer" about experimentation opportunities.

PARC has a long-standing and rich history in San Diego County in

service and ham radio experimentation.

That is one of the reasons the PARC Board of Directors is creating a non-voting Board membership position for a new licensee. That position's mission is to be focused on bringing new Ham's questions and interests directly to the PARC Board. We look forward to increasing PARC's relevance to the San Diego.

Us "old timers" (I'm not THAT OLD) frequently take for granted the many "radio lessons learned the hard way" that we've accumulated over the years, and fail to see the relevance of those lessons to the needs of the new Ham radio community. They need authoritative, reliable operating and "elmering" information.

73 de NN3V

PARC Hikers Group Overnight Barbecue & Hike

DATE: February 16,17 and 18, 2002

PLACE: Janis and Ed's Single Tree Ranch, Shelter Valley

TIME: Barbecue will be Saturday night with a day hike planned for Sunday.

DIRECTIONS: Take Highway 78 through Julian and down the Banner Grade until you come to the junction of Highway 78 and S-2. turn right onto Highway S-2 and proceed about 4 miles. Take a right turn onto Great Sandy and then go about 1/2 mile. Turn left onto Grubstake. Then turn right onto Last Chance and look for the sign on the right side saying "Janis and Ed's Singletree Ranch".

WEATHER: This is winter and it can get pretty cold, so dress according to the weather forecast.

WATER: Two gallons should be plenty, depending on your needs.

ITINERARY: Plan on arriving anytime after noon on Saturday and setting up your shelter. Barbecue will start at 6pm with hors d'oeuvres at about 5pm. Please bring hors d'oeuvres to share with the group. After the dinner we will have a campfire (weather permitting) and tell campfire stories, so bring your favorite story or read one from my Native American stories book.

On Sunday we plan on hiking Whale Peak from the west approach. This will be an all day hike and we will have to leave our campsite at 7:30 am in order to finish the hike before dark. I would consider this a strenuous hike with rock scrambling and hill climbing involved. After the hike everyone is invited to spend the night if you are fortunate enough to have the next day as a holiday.

EQUIPMENT: This is basically a campout, so bring your camping equipment and all your necessary equipment for a day hike.

There is enough equipment at the cabin to do cooking and dishwashing so you won't have to bring a stove or any cooking equipment. You may want to bring something to sit on around the campfire. This is a primitive setup with no electricity or water. Two small porta potties are available for the YL's. The OM's use the bushes and the potties as necessary.

FOOD: Bring whatever you want for the barbecue and for the hors d'oeuvres. (bring your favorite beverage for the barbecue). Plus food for the meals that you plan on having at the cabin. Don't forget the food and trail snacks for the hike.

CONTACT: Ed asap to confirm your spot under the stars

Please email Ed at

W6ABE@amsat.org

if you have any questions.

Club Membership

Al Donlevy

W6GNI@amsat.org

Good News:

More New Members Joining PARC: KG6IZK, N6CRF, NP4MV, and WP4CUJ.

When you hear these calls on a repeater, greet our new and renewed members.

Sign-in Sheets: Please print, so that it is easy for this half blind member-

Treasurer \$\$, \$\$\$

Jo Ashley

KB6NMK @amsat.org

ASSETS

Cash and Bank Accounts	
876-1216457-6	2,503.25
876-1216625-9	2,654.41
876-1216778-6	2,638.22
876-1391556-4	3,175.64
Ckg 0682 010566	930.65
Post Office	103.87
TOTAL Cash and Bank Accounts	12,056.04
TOTAL ASSETS	12,056.04

LIABILITIES & EQUITY

LIABILITIES	
Pre-paid dues	7,911.00
Prop. Insurance	600.00
TOTAL LIABILITES	8,511.00
EQUITY	3,545.04
TOTAL LIABILITIES & EQUITY	12,056.04

Note: CD179-1311891-8 of \$3145.65 was transferred to checking at or near the time this report was generated. It does not show up in this report, but will in the next months report... NE6O Interim Editor

ship person to read it. This is where I get the info to enter the activity points. New activity point totals will be printed again next month.

Also you will notice that the sign in sheets now have a place for your e-mail address. Again, please print clearly. The e-mail addresses will be used to update the database. As you know, several companies that provided e-mail service have shut down. We try to keep up to date! If your e-mail address is missing, or wrong, please send an e-mail to W6GNI@amsat.org.

Please check your Scope label every time.

73 and Thank you. Al, W6GNI

WORK PARTY

de AB6QT.

On Wed. Jan 16, Jerry WB6FMT, Stan W9FQN, Mike AB6QT, and Paul KB5MU went to the repeater site to work on several projects.

The autopatches were tested and all was found to be OK except for the 447.0 patch. It was determined that there is a desense problem in the 447 system that is causing problems, so I took it home for more testing. It underwent Spectral Analysis recently (July 2000), by Art KC6UQH, and was in good condition at that time. However, it *appears* that the transmitter is now unhealthy in some way causing feedback into the receiver. Hopefully it will not be left off the air for long.

The other project that was done has to do with the site power distribution. Paul KB5MU assisted

me in taking measurements of ground current (in places where there should be no ground current), and we removed covers from many electrical boxes so as to document the system for further understanding. No current should exist in the Earth ground, and so this project will continue until it is fully understood.

Many thanks to Jerry, Stan and Paul during this work party.

73 de Mike AB6QT

As of Wednesday, January 16th, the autopatch system was working on the .73, .13, and .075 repeaters. The 447.00 repeater was removed so that the transmitter could be looked at on a spectrum analyzer. There is a repeater receiver desense problem when an autopatch is being run and

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Last Month's Fold & Staple Crew

KG6AEW Victor M		K6ML Jim P
N6OYG Victor		KB6NMK Jo
N6UZH Terry	&	MY2KD
W9FQN Stan		W6GNI Al

the 447.00 repeater is being used. When the patch system is activated via the 447.00 repeater, the 447.00 transmitted signal and its PL is getting back into the 442.00 receiver. The patch on 447.00 is inoperative until we can find the cause of this "mixing" problem.

de Jerry WB6FMT

HAM BIO

de KC6UQH

I believe Tony, KC6QHP was 14 years old when he started attending the San Diego Microwave Group meetings. Tony had a strong interest in using microwaves to send data between computers. His Dad brought him to our meetings. With the help of Kerry, N6IZW, Chuck WB6IGP, Ed, W6OYJ and the rest of the group, Tony was able to complete his project and submit it to the Science Fair in his Senior year of High School. Tony continued his studies at UCSD and Graduated 1999. While at UCSD Tony introduced Jeff, KF6PBP to the Microwave Group. Both have built 10 GHz Transverters, 24 GHz Gunn Plexers and Tony built a 24 GHz Transverter. They have been active in several 10 GHz and up contests. They chose and worked together on a Senior Class project, the design, construction, and testing of a 24 GHz 2-stage low noise amplifier. Jeff has contributed many construction photos of Microwave equipment that he and Tony constructed to the SBMS web site. Tony and Jeff are currently doing Graduate work, Tony at UCSB, and Jeff at UCSD. Both are already accomplished Engineers in the field of RF design, thanks in part to Amateur Radio and the opportunity to learn by doing while studying the theory in College.

The exposure to Engineers who have chosen to make their hobby part of their career in this case has, without a doubt, given these two young men a tremendous head start over their classmates. I often wonder why we tend to concentrate our efforts in recruiting new amateurs at the junior high level, when Amateur Radio can also be a very effective tool in training at the college level. The least we should do as amateurs is make sure that students are aware of all aspects of Amateur Radio not just HF. Most all of modern communications takes place in the microwave region of the radio spectrum. Amateur's have access to large amounts of the microwave spectrum as well as access to satellites. When recruiting we must keep the 21st century in mind.

Let us also not forget the tireless energy that Kerry, N6IZW has put into the Microwave Group. He has been holding Monthly meetings at his house as well as Net control for the Monday night Microwave Net for as long as I have been an Amateur Radio Operator. Kerry has also obtained an agreement with his employer to provide surplus equipment to Amateurs for experimentation. Chuck, WB6IGP who writes for 73 Magazine, spends most of his spare time finding surplus items that can be used for projects and providing documentation of the projects built by members of the microwave group. Ed, W6OYJ has spent many years constructing and operating on these bands, has a wealth of knowledge on Microwave propagation. And most important all the members of the Microwave Group are more than willing to share information on the subject of microwaves, if asked.

Art, KC6UQH

Committee

Chairmen

AREInfo. -Dennis S **K7DCG@amsat.org**
 Attendance -Al **W6GNI@amsat.org**
 ATV -Bills KB6MCU **W6GIC@amsat.org**
 Auction -Jim C. **NE6O@amsat.org**
 Badges new -Al **W6GNI@amsat.org**
 Batteries -David KD6EBY **DAT@Gerry.Palomar.caltech.edu**
 BBSMonitor -Bill B **N6FMK@amsat.org**
 Billing:Ads/etc-Lyell K **K6GVM@arrl.net**
 By-laws -Paul **NN6X@amsat.org**
 & -Ron RWA9JCL **r3mb@concentric.net**
 Contest Info -Dennis V **N6KI@amsat.org**
 ControlOps. -filled **W6NWG@amsat.org**
 D.Mar Fair-
 Emergency QTH's (Emergency Com. Centers)
 HarryH -W6YOO **W6YOO@amsat.org**
 DennisV-N6KI **N6KI@amsat.org**
 Field Day -Charlie R **NN3V@ARRL.net**
 FDTech. -John K **WB6IQS@Juno.com**
 Historian -
 Interference -Bills **KB6MCU W6GIC@amsat.org**
 Inventory -Dennis B **dennisKD6TUJ@juno.com**
 MtgGoodies -Jim E **W6SST@juno.com**
 Membership -Al W6GNI **aldonlevy@juno.com**
 Nets -
 Newsletter -
 PALBBSpkt -Bruno H **KF6QDP@amsat.org**
 Patch Info -
 PatchETronics-Jerry H **WB6FMT@amsat.org**
 Picnic -PaulD **NN6X@amsat.org**
 PowerAC/DC-Mike P **KD6VHI@amsat.org**
 Programs -Mark R. **KF6WTN@amsat.org**
 Publicity -Fred S **K6ISS@amsat.org**
 QSL Cards-Merle R **KR6BT@Juno.com**
 RACESinfo -Jo A **KB6NMK@amsat.org**
 Red Flag -
 NashWilliams@CompuServe.com
 Rptr Site -
 Rptr Skeds-
 SANDARC - **KD6RFQ@amsat.org**
 -
 SellerTable -John K **WB6IQS@Juno.com**
 AstSWDivDir-Walt **WA6ODQ@arrl.net**
 TechSite -Mike D **AB6QT@amsat.org**
 TestingVE -Rusty M, **DuneDancer@worldnet.att.net**
 Training - **W6NWG@amsat.org**
 TrusteeW6NWG-Mike D **AB6QT@amsat.org**
 Web Site -Frank L **KE6WOE@amsat.org**

(Net Managers) (see pg.12)

ARES Sun-
 Staff Net -David D **KC6YSO@amsat.org**
 ARES 6m -David D **KC6YSO@amsat.org**
 Ham Help -David D **KC6YSO@amsat.org**
 Hiking -Ed **KF6DXX@Juno.com**
 -Glenn P **KE6ZLY@Juno.com**
 MARA -Cathy **KE6IQU W6NWG@amsat.org**
 Microwave -Kerry B **N6IZW@qualcomm.com**
 Off Road -Jerry A **jwak6pfp@cts.com**
 -Dick W **KA7AYT rwilimek@home.com**
 Sailors -
 Traffic(SDCTN)-Charles**N6TEP cmiele@juno.com**

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

For Sale

(12.11)CW KEYER MFJ-401D less than year old includes pwr adapter & manual \$35; Bernie N6FN 760-781-5522Wk, 760-746-7411Hm.

(12.11) **Drake** Communications Receiver Mod 2-B \$100; Calrad SR-16 SWR bridge \$10; Ruth 760-727-3178 Vista.

(11.20)**Ten-Tec** HF Corsair 80-10m w/ pwr sup \$300; Kantronics KAM + cables, Hostmaster II + Pactor \$100; Yeasu FT227R 2m Memorizer \$30; Icom IC25H \$30; Isopole ant \$10; G5RV full size 80-10m new \$30; HP Deskjet 660C printer \$40; Max KB7RNP maxkb7rnp@aol.com 909-696-8495.

(11.19)10m 4el beam SS hardware asking \$75; 13el 2m beam SS hardware \$30; Bayard K6GAO 619-594-6063 days or 858-755-5507 nights. (10.27)**Heathkit**-SB-200 amp(10-80m) \$300; **KENWOOD** TMV7A 2m/440 mobile w/mobile mount - no separation cable \$325; **ICOM** 706 w/ separation cable \$500; **ICOM** 471A allmode 420-450 mhz \$400; **TIMEWAVE** DSP 59+ make offer No trades. KO6ET@amsat.org Steve.

Jeff N6FRW Grace N6WPA

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Editor: **W6NWG@amsat.org**

(10.22)**BNC** cables are RG-63/U, 93 ohm, about 25 feet long \$1ea: Fred Brown fwb@cts.com Palomar Mt.

(9.19)**N6OLE** Home made Grid Dip Meter with docs, must see to appreciate this work of art (Best Offer); Sears **ROAD-TALKER40** SSB XCVR \$50; military throat mic + headphones BO; Precision "Steel Six" lab mtrs. \$5 ea; Proximator I

vehicle det. \$2; **Olson** CB067 Swr Mtr. \$3; Keithly Auto R. Mtr. \$15; Motion Det. Solfan 5240 \$5; 25v.3A Reg. Pwr Sup \$20; Sabetronics Freq. Cntr mod. **8110A** \$20; **Healthdyne** Lab digital thermometer mod. 2000 \$5; call AB6QT at 760-742-1573 after 5pm.

(9.05)**Kenwood** 30A pwr new box \$??; **Icom R100** unblocked scanner 1-1856MHz \$400; **Yaesu** FT23 TTP-EC/DC \$124; **Yaesu** FT7005 TTP-EC/DC \$150; Yaesu Spkr mic \$30 & VOX headset \$20; Yaesu(2) NC29 chargers \$50ea; Yaesu NC37 charger \$55; (above OBO + 4 batteries); Complete listing of above and other items at meeting (see W9FQN): Stu K6EXL 760-757-9206.

(8.20)**Heathkit** DX-35 Transmitter, Heathkit Conelrad Alarm CA-1, Titan 6 meter base amplifier 100w, WRE Decade Resistor model ARD-41, HP 34072A digital multimeter & will accept reasonable offer: Harold KG6DVD 760-630-8701

(6.29)**Icoms** IC-2100H \$139 OBO 5mo old w/instructions manual box & no mods; IC-T7H Dual Band Handheld \$139 OBO manual, box, good condition, little use: KG6AZK 619-588-2493 jacox@home.com

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(5.09)**ESTATE KG6AMQ(SK)** Sale-

1. **Yaesu** YS-60 1.6 - 60 MHz Power & SWR Meter. Meter has 0 - 2 kW power handling capacity. Mint condition \$140

2. **VCI** V300M 300w HF ant. tuner \$85

3. **Yaesu** SP-767 speaker and phone patch. Ideal for use as a phone patch and external speaker for any HF rig \$80

4. Radial **Larsen** 2m glass mt 1/2 ant \$40

5. **Van Gorden** HI-Q 1-1 Balun \$20

6. KB6MT High speed code course (3 cassette tapes & manual) \$15

7. **Technician** "No-Code Plus" FCC license preparation course. 3rd. edition. Questions effective through June 2001 \$5

Prices negotiable to best offer, contact 619-686-5607, or NN3V@amsat.org

WANTED:

(01.19) Wanted: Kenwood TS 530, good condition only.

Contact: Orly at orly42320@aol.com

(10.22)Need diagram of **Tempo-1**: Fred Brown fwb@cts.com Palomar Mt.

(8.26) Wanted Heathkit Apache transmitter and **Heathkit** Mohawk receiver: Hugh K4ESQ via W9FQN@Juno.com

(5.28)**Wanted kit builder** (Elecraft K1 kit): Don KF6NMA Poway (858) 486-5927 donald@henkearchitect.com

Contests

Harry Hodges W6YOO@amsat.org

Feb 2 DE, VT, NH, & ME QSO Parties

Feb 2 Freeze your buns off QRP QSO Party

Feb 3 NA SSB Sprint

Feb 9 CQ WW RTTY WPX Contest

Feb 10 NA CW Sprint

Feb 16 ARRL DX Contest, CW

Feb 22 CQ WW 160 Mtr Contest, SSB

Feb 23 NC QSO Party

Feb 23 CO QRP QSO Party

Mar 2 ARRL DX Contest, SSB

Mar 10 WI QSO Party

Increase your WAS count with the many state QSO parties in February. Mid February sees the ARRL International DX Contest for CW buffs and the SSB contest is in early March.

Rules are in QST, CQ, Worldradio, and the National Contest Journal.

See you in the contest!

73, Harry, W6YOO

(This column intentionally left blank) *

* Not really, but it is a lot of work to make the copy come out right. We need a skilled editor!.. NE6O

Repeater Status 12.16.01

146.730+ : Normal
147.075-: Normal ?
147.130-: Normal
447.000-: Normal *No patch attached*
52.680 : Normal?
146.700-: Packet Repeater Normal
145.050s : Packet Digi Normal
PALBBS : Bulletin Board Normal
AutoPatch: Normal except for 447.000
ATV : Operational

Work Parties

Minutes

Palomar Amateur Radio Club, Inc. Board of Directors

January 9, 2002

The regular monthly meeting of the Board of Directors was called to order by NN3V at 7:02 PM on January 9, 2002, at the home of NN3V.

Present were:

President:

NN3V, Charles Ristorcelli

Vice President:

KF6WTN, Mark Raptis

Treasurer:

KB6NMK, Jo Ashley

Secretary:

KB5MU, Paul Williamson

Director #1:

NN6X, Paul DeCicco

Director #2 :

NE6O, Jim Cooper,

Repeater Technical Chairman:

AB6QT, Mike Doyle

Technical, autopatch, repeaters, etc:

AB6QT@amsat.org (Rptrs); W9FQN@amsat.org (autopatch/work parties)

pg.7

Membership Chairman:
W6GNI, Al Donlevy,

Visitor:
WB6IQS, John Kuivinen

Treasurer's Report

KB6NMK stated that the Treasurer's Report would be available in a few days. A bill for electricity for PALBBS has been received from WB6IQS, and will be paid routinely.

Secretary's Report

KB5MU circulated copies of the minutes of the December meeting, with minor modifications from the version published in the Scope. KB6NMK stated that the summary of the discussion of tax rules in the minutes was incorrect and misleading. Our accounting practices are those prescribed by the IRS. **Motion** by AB6QT that the minutes be amended by deleting "*and that a*

more complete accounting of the club's assets might put us over the threshold." and that the minutes be approved as amended. **Seconded** by KF6WTN. Motion **passed** unanimously.

Board Member Designations

NN3V stated that he considered the issue of Board member designations closed by the email discussion wherein he re-appointed W9FQN, AB6QT, and W6GNI to fill the three Board seats reserved for the chairmen of standing committees, and all Board members (by email or by phone) approved the designations. **Motion** by KB6NMK that the Board ratify this action *nunc pro tunc* (that is, "now for then", or retroactively). **Seconded** by NE6O. Motion **passed** unanimously.

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Club Web Site Domain Name

NN6X had previously suggested that the Club update its web site, including obtaining a memorable and distinctive domain name for the site. He suggested we get both www.palomararc.com and www.palomararc.org, and reiterated his offer to pay the initial costs through his business. The consensus of the Board was that NN6X should proceed with obtaining one or more domain names at his discretion. NN3V recognized the hard work of webmaster Frank Littlebury, KE6WOE, in creating and maintaining our current web site. He recommended that a meeting be held with KE6WOE to outline the action and advantages of PARC having a domain name, and to seek his ideas, before any further action is taken. A short email exchange with KE6WOE had already taken place, but without conclusion. W6GNI volunteered to contact KE6WOE on this subject.

Participation Points for Net Control Operators

NN3V presented a proposal offered by Charles Miele, N6TEP, net manager of the NTS traffic net, to reward diligent net control operators with participation points. KB5MU pointed out that participation points have some monetary value, since they are used to allocate tickets for the prize drawing at the annual picnic. He believes that accepting points for on-air operation may violate FCC rules against pecuniary interests. Extensive discussion followed. AB6QT stated that he believes there is already a written policy on the awarding of participation points. KF6WTN suggested that the issue be tabled until this can be researched. W6GNI volunteered to

search for the written policy and to respond to N6TEP in the meantime.

Repeater Worksite Scheduling

NN3V mentioned the statement in the January Scope, written presumably by W9FQN, that "W9FQN will not be scheduling anymore work parties." He further mentioned an email message from W9FQN, in which W9FQN declined to serve on the Board or as Repeater Site Chairman. NN3V had not yet read this email message. No Board action was taken.

SANDARC Representation

NN3V stated that he had received a message from Skip Cline, KD6RFQ volunteering to represent the Club to SANDAG [sic]. The Board assumed he meant SANDARC, the San Diego Amateur Radio Council. **Motion** by KB6NMK to appoint KD6RFQ as a Club representative to SANDARC, along with the existing representative Sybil Allbright, W6GIC. **Seconded** by KB5MU. **Motion passed** unanimously. NN3V volunteered to contact KD6RFQ. The Secretary will send an appointment letter to SANDARC.

Rent from Site Tenants

W6GNI stated that he had received a check from the chief engineer of KGB, to pay rent at the current rate through September for their repeater at our Palomar Mountain site. It was unclear to the Board what period this check was intended to cover, and whether the rate is still appropriate. KB6NMK stated that Lyell Kinney, K6GVM takes care of billing for rent and Scope advertisements, and volunteered to contact him to get the current status.

TASMA and 146.700 Packet Repeater

AB6QT stated that users have reported interference to our packet repeater on 146.700 MHz from the Sunset Ridge voice repeater on the same frequency pair. WB6IQS gave a summary of the history of the 146.700 repeater, starting in 1993 with a RTTY repeater and converting to packet, with written notice to TASMA, in 1994. WB6IQS volunteered to communicate with the interference reporter and get more information about the extent of the problem.

New Licensees' Representative to the Board

NN3V stated that he had found two volunteers to represent the interests of new licensees to the Board, but that he was looking for other candidates before making his selection. NN3V asks Board members to talk it up on the repeaters.

Electrical Problems at the Repeater Site

AB6QT stated that he would further investigate the improper ground currents observed at the repeater site during a work party with Jerry Houser, WB6FMT, on January 16. KB5MU volunteered to assist.

Enclosures for Video Cameras

KF6WTN stated that he is looking for suitable enclosures for video cameras to be placed outdoors at

the repeater site for security. WB6IQS suggested using glass lamp globes as an inexpensive alternative.

ARRL Monthly Report of Prospects

KB5MU had reported via email that he received from ARRL a monthly report providing the Club with names, call signs, and addresses for all new FCC licensees, new ARRL members, and self-registered prospective amateurs in the Club's coverage area. W6GNI had stated via email that he routinely sends 12 free copies of the Scope to people on this list. The number of free Scopes is limited by postal regulations, if they are to be mailed with the others at the lower rate. KB5MU stated his belief that everyone on the list should be contacted, and explicitly invited to join the club. NN3V volunteered to draft a letter to be sent out to all prospects.

Club Meeting Programs

KF6WTN stated that the program for the February meeting had not yet been determined. Prospects include NWS/Skywarn and Search & Rescue. NN3V stated that there may be a technical series starting in July, and that several members are involved in its preparation.

Scope Publication

NE6O stated that the interim Scope committee had set the following schedule for the February issue: input deadline, January 18. Camera-ready copy to the printer, January 21. Fold and staple party, January 23. A "strawdog" initial layout for the Scope was distributed via email.

Membership

W6GNI stated that club membership remains at 514.

Brochures

AB6QT noted that the supply of Club brochures at Ham Radio Outlet needed to be replenished. NN3V volunteered to do so.

Next Board Meeting

The February meeting of the Board will be held at 7:00 PM February 13 at NE6O's house, 2012 Applewood Lane in Vista.

Adjournment

The meeting was adjourned at 9:00 PM.

Respectfully Submitted,
Paul Williamson, KB5MU
Secretary

Two OMs met at the last club meeting.

The first OM says to the second OM: "Who last that YL I saw you with last night?"

The second OM responds: "That was no YL, that was my XYL"

As the preceding clearly demonstrates, we are in desperate need of good content for the Scope and a new editor to replace the ever-hard-working Stan W9FQN.

This issue of the Scope was produced as an Interim Effort until a new editor can be found. The style and appearance were kept as near the same as was easily accomplished. (With a few exceptions. You can't leave an ham alone with a keyboard and not expect him to play.)

Hopefully there are no major errors or flaws in this publication. If there are, please inform me, and accept my sincere apologies for my amateur efforts.

73 de Jim Cooper NE6O

Interim Editor

PARC NETS (06/01)

All 147.075 10-11pm MCW contacts
 All 147.130 2200+ pm Facitious Group
Sun. 146.730 8:30am AREmergency Service
Sun. 146.730 10:00am Sunday Sailor's Net
Sun. 147.075 8:45pm MARA Net
Mon. 146.730 9:00pm Microwave Net
Tue. 146.730 8:00pm Traffic Net (SDCTN)
Tue. 146.730 9:00pm Off Roothing Net
Thu. 146.730 8:00pm Traffic Net (SDCTN)
Thu. 146.730 9:00pm Ham Help Net
 (electronics, computers, antennas, license theory, etc.)
Thu. 147.075 7:30pm Young Ham Net
Fri. 146.730 9:00pm Hiker's Net
Sat. 146.730 8:00pm Traffic Net (SDCTN)
Sat. 52.680 8:00pm 6m ARES Net

"other non-PARC nets"

Convair/220 Club: 224.900 PL 107.2 Hz
 Mon 8:30pm, Tech. & News
Fallbrook ARC: 146.175 + PL 107.2 Hz
 Tues 7:00pm, General Discussions

POSTMASTER:
 Send address changes to Scope,
 P.O.Box 73, Vista, CA 92085

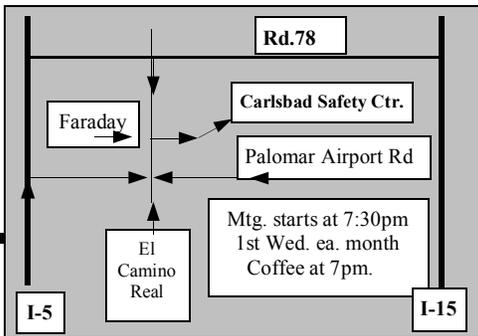
Time Dated Material

Feb
 2002
 pg.10

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pse cover me!

Fold, I am not sold but old and cold, I am told !



PARC Web Page

www.palomararc.org

OPEN Repeaters/CLOSED Patches

Palomar Mt. Repeaters (W6NWG)

PARC Trustee of W6NWG: AB6QT

*52.680- W6NWG, -0.5 MHz

Autopatches(4): 146.730-, *147.075+
 *147.130+, *447.000-

PKT: 145.050s (PALMAR/W6NWG-1)

146.700-(Duplex Pkt) PALBBS/EMG use

145.070/146.7- (W6NWG-3/PALBBS)

ATV "OUTPUT": 1241.25 MHz AM

ATV "IN": 915wbfm, 919am,

2441.25wbfm

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

*=107.2 Hz

P.A.R.C. Inc (2002 Board)

Pres: Charlie Ristorcelli NN3V 858.676.3307
 NN3V@amsat.org

VP: Mark Raptis KF6WTN 760.749.4825
 KF6WTN@amsat.org

Sec: Paul Williamson KB5MU 858.571.8585
 (760-742-9924PalomarMt) KB5MU@amsat.org

Treas: Jo Ashley KB6NMK 760.741.2560
 KB6NMK@amsat.org

Dir#1: Paul DeCicco NN6X 619-595.0500
 NN6X@amsat.org

Dir#2: Jim Cooper NE6O 760-727-8446
 NE6O@amsat.org

MSh: Al Donlevy W6GNI 760.630.3096
 W6GNI@amsat.org

Technical: Mike Doyle AB6QT 760.742.1573
 AB6QT@amsat.org

Web Pages

PARC's Home Page -

www.palomararc.org

Rod's General Home Page - AC6V

<http://ac6v.com/>

ARES Alert Publication

<http://www.qsl.net/sdgarr1/alert.htm>

Tom's Hiker's Home Page - KF6PAZ

<http://www.fanciful.org/san-diego-hiker>

PARC Testing - tests given each 2nd

Saturday at 9:30 am in the Carlsbad Safety center in Carlsbad. Contact Rusty AA6OM at 760-747-5872 or at

DuneDancer@worldnet.att.net

Register 5-7 days in advance for tests.

Escondido Testing - examinations on the LAST Saturday @ 9:00am, Chamber of Commerce, 720 N.Broadway, Esc 92025. Contact Harry W6YOO 760-743-4212.



Scope

146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05

Mar
'02
pg.1

Palomar Amateur Radio Club Inc.

also ATV &
4 Autopatches

Scope (USPS #076530) Vol. XXVIII No. 3, Mar 2002, published monthly by PARC, 1651 Mesa Verde Dr., Vista, CA, 92084. Periodicals postage pd. at Vista, CA 92085.

Dues \$12/yr or \$21/family/yr (includes newsletter subscription)
Editor: Ron Surfield NA6RS, 2605 Emerald Pl., Escondido CA 92027

POSTMASTER: Send address changes to SCOPE,
P.O. Box 73, Vista CA 92085-0073.

Send \$12 Dues To:
PARC, Box 73
Vista CA 92085-0073

See pg. 8: PARC Frequencies, Club Officers, and PARC Nets.

Club Meeting

Mark Raptis KF6WTN@amsat.org
(Meetings are held the 1st Wednesday of each month at the Carlsbad Safety Center in Carlsbad at 7:30 p.m. although most come at 7:00. See map on page 12 for directions -Ed)

Coming Events

Mar 6, Wed - Club meeting, program
Mar 13, Wed. - Board meeting
June 22nd & 23rd, Field Day.

The new Field Day rules are already out. You can go read them on the ARRL web site.

Goodie Table

Many thanks to those who provide goodies and that well needed coffee at our meetings. Your names were absent this month, but your service is really appreciated by our members.

New Editor!

It is with *great pleasure* that the PARC Board Of Directors announces that NA6RS (Ron Surfield) *volunteered for the position of Scope editor*. (And we didn't have to twist his arm much either!)

Those of you privileged to know Ron are well aware of the diligence and competence he brings *to everything he does!* Ron will grace us with experience he has from editing other newsletters, and a drive

to serve and make things happen.

I ask each of you who has a chance to meet Ron to express your appreciation for his voluntary acceptance of the editor position, and thank him for taking on the responsibility of keeping Scope a fine newsletter, and a *focal point for Club activities*.

Again, *Thanks Ron!* 73 de NN3V

March Agenda

Ed Clark of NOAA will be speaking on the Skywarn program of volunteer weather-spotters. It should be an interesting meeting as it pertains to using ham radio.

President's Message

Charlie Ristorcelli NN3V@amsat.org

Greetings to all! It is March, and time to look forward to warming days, and good contests including great DX opportunities. *Have you been on HF lately?* I have some reflections to share with you. "Little" things, mostly mental notes of day-to-day ham radio hobby "happenings", many courtesy of comments and observations during the commute repeater discussions.

Repeater Etiquette:

When a ham signs off the repeater, as in

"...73 de NN3V, off and clear", *it means he or she is clearing the repeater*. It is impolite to call them again (especially by someone who was not in the roundtable conversation) unless there is an emergency.

When a roundtable is ongoing, it is impolite to break in, ask to talk with one of the roundtable members, and then establish a one-on-one conversation! If you have a need to talk with a member of an ongoing roundtable (other than for a very brief comment), break in, and ask the other ham to QSY to another frequency, and *leave the roundtable so that it may continue!*

On the humorous (and probably argumentative side of the hobby) there is no need to add an "s" to 73 (as in 73s)! That's because 73 means, "best regards", and when you say **73s**, you are really saying "best regardseseses..." I am aware however, that there is no FCC rule against adding an "s" to 73! That's my story and I am sticking to it **HI HI** :=))

E-mail practice:

Ever wonder why email addresses are not simple? Ever wish that "Joe's email address" were not something along the lines of bellyfloppingbigmamma@obscurelink.com? Joe might really like that special email address, but let's face it, Joe is *skinny and doesn't conjure the image of a belly flopper!*

Well, you can have a simple email address for your ham related email. An email address that all your ham related friends can remember easily! And, you can also *keep that special email address*

only you love, and it is free!

Log on to the AMSAT web page (www.amsat.org) and **register your call sign** for forwarding to your special (or regular non-ham related) email address! The service is FREE, and you too can have a my-call@amsat.org email address.

Then we will be pleased to hear you on the repeater when you say "...you can send me email at mycall@amsat.org". **And we will remember your email address!!**

See you at the Club meeting, and don't forget to come out early and join the crowds having dinner in the Carlsbad area!

Field Day Planning

It is time to start planning FD!

We expect this year to see some changes to past FD rules from ARRL, and perhaps PARC habits as well.

What would you like to do for Field Day this year?

Want to do something really different? Want to enjoy a great cookout while FD is going on? Want to see FD held someplace else (and you have a suggested location and are willing to secure the place?)

Send comments and suggestions to NN3V@amsat.org, or joint the Board Of Directors Net and give us your opinions.

Ahhhhhh...change is so painful! But it can be fun too!!

New Ham Net

The PARC Board Of Directors now runs a net **immediately after the monthly Board meeting**. The net can be heard on the 146.730 MHz repeater, starting at 9:00 PM on the second Wednesday of every month.

Purpose of the net is to discuss Board actions and topics, and to solicit comments from the Club members (and any licensed hams who can access the repeater) about ways PARC can be more relevant to San Diego county hams.

So join the Board net this coming Wednesday March 13th.

A LEARNING EXPERIENCE FOR ALL

In the Forties of the previous Century a theory to explain why things happen was called "Theory of the Universal Principal of Perversity" The classic proof of this theory was given to the probability that buttered bread, when dropped, would land on the floor with the buttered side up approached zero, and even less when peanut butter and jelly have been added. Other observations include wires and cables that always seen to intertwine themselves in to a hopeless tangled mess, the stalled engine that will not restart because the gear selector is still in drive, or the service call to find the equipment is either not plugged in or misadjusted.

Amateur Radio is not exempt from this theory and the inadvertent key up by microphones that some how manage to switch our transceivers to the transmit mode without human intervention, in a manner to embarrass the owner of the equipment, and leave the owner at a loss to explain what happened prevails. If it has not happened to you yet it is only a matter of time, as this one is the most universal proof of the theory that can happen to a Radio Operator. Ash trays that conveniently hold microphones, an HT on the seat, VOX left on, desk microphones and pets, etc all contribute to this theory.

On Sunday February 9th of this year the planets were in alignment, a major fire in the Fallbrook area, a need for a repeater for ARES/ Red Cross and a failure of our 146.730 repeater. I observed that the 146.73 was inoperative at 11:00 PM, tried several control functions and concluded that we had an equipment failure. Mike, AB6QT independently made several tests and made the same conclusion. Monday morning Mike visited the site, determined that the controller was not responding and that the transmitter could only be keyed up manually. Monday evening he returned with equipment for further testing and to his surprise found that the controller was not responding because of a signal on the input. This is not suppose to happen, but the "theory" got both of us on this one! Monday night our Son was visiting us and I didn't get Mike's message describing the problem until 8:30 PM. I checked the input (146.130) and found a S7 signal. Tests here showed a consistent bearing towards Oceanside using a HT and a 3 Element beam from several locations at my house.

After dinner I reached Mike by phone and he had a bearing of due West from his house. I also had Gary KE6JUV check the input from his remote base on Heaps Peak. No signal was heard there, confirming that the offending transmitter was in the San Diego County area. The signal was unusual in that it had a ear-splitting tone on similar to a tone used for testing a receiver with a signal generator.

I gave the information to Charlie, NN3V about 9:45 PM and he sent out E-Mails to several members in Oceanside. About 10:15 PM Ted, KD6AKT and Charlie came up on the 147.075 repeater and Ted indicated a strong signal on his HT with a paper clip for an antenna. He had tried to null it out using a Yagi antenna on his base station, but the signal was too strong to obtain a Bearing. Ted then using his body as a shield got a bearing from his front yard. I continued to listen on 147.075 for Ted's updates on the progress. Ted decided to go over to Fred's house, K6ISS as that was the direction the signal was coming from. After prying Fred from watching the Olympics, and confirming that the signal was not coming from Fred's equipment, Fred decided to join Ted in the search. They found a Street that the signal was even stronger than it was at Fred's house. Ted suggested that (call sign) lived on that street. I brought up QRZ on the internet and looked up that address, Ted and Fred proceeded that direction. The signal began to decline. Fred suggested that I do a search for Amateur's on that street. Great, now how do I do this? Ted and Fred turned around and headed the other way on the street as I fumbled my way through the QRZ site. Ted and Fred had found an intersection where the signal peaked and I found four Amateur's that lived on this street. The first one listed that I tried, was three houses from the intersection and Ted reported signals so strong that his HT was full scale with nothing in the antenna jack. Fred decided to go to the door and awakened the embarrassed Amateur, who then turned off the offending transmitter. The street, name, and call sign, were omitted in this article to protect the Amateur from further embarrassment.

It was now 11:00 PM, the hounds had the fox, and I turned on the repeater.

We learned! Boy did we learn. Mike and I learned that the repeater controllers are not

reliable, and there is no substitute for checking the input, but we might not always hear a signal from our location on the input, that the repeater hears. This controller was a replacement for an earlier controller that did the same thing but after the timer overflowed it locked the repeater on! This controller is at least better behaved. Ted and Fred learned to direction find using the methods taught by Stan, W9FQN at the PARC Picnic's. I also learned the power of QRZ in this case and all of us learned the value of teamwork and the collective knowledge of several Amateur's making this a easy problem to solve. I was much more effective staying behind and being on the Internet than going out to join Ted and Fred. Fred knew the Amateur who's transmitter was keyed and knew that he wasn't risking his life by knocking on the door at 10:57 PM. only because of my search on QRZ.

Many Thanks to Mike, AB6QT for discovering the problem, Charlie, NN3V for his efforts in getting help to find the transmitter, Ted, KD6AKT and Fred, K6ISS for finding the transmitter.

Art, KC6UQH

FALLBROOK FIRE

The first wave of emergency traffic was handled on the Fallbrook Amateur Radio Club repeaters on 146.175 and 445.600 MHz. (The machines are tied together so anyone coming in on one repeater is re-broadcast on both repeaters - a redundant system of sorts.) Amateur radio operators were posted at key points in the community during the emergency, including the fire department, the sheriffs department, the hospital and the evacuation centers for people and animals. Some operators provided mobile communications for animal rescue operations. While hams provided some fire and logistics information, they specialized in evacuation matters and health and welfare traffic in conjunction with the American Red Cross.

PARC Appreciated ...

The Fallbrook Amateur Radio Club extends its sincere appreciation to each and every ham operator who contributed his and her time and effort to this community emergency. Many came from afar. The list of operators participating on February 10, as provided by Net Control, is as follows:

- '6ACD, (name and call prefix not logged)
- WD6AHW, Bill
- WD6AHX, Wayne
- KF6AJM, Chris
- WD9BBC, Don
- KB6CPZ, Frank
- WD6DIJ, Bob
- KE6EKY, Fritz
- KE6FHS, Joel
- KF6GOF, Norm
- KF6GOY, Sue
- KG6HSQ, Ron
- AB6IH, Peter
- KF6JXT, Scott
- KF6LFZ, Alonso
- W6LKK, Erich
- KC6MIE, Stephen
- KB6NMK, Jo
- KJ7NT, Jim
- N6OX, Bob
- K3PXX, Terry
- W6S JL, Paul
- KD6UAK, Randy
- KF6UFZ, Dan
- W6VR, Bob

N6VXM, Arnie
KD6YEI, Jess
N6YMH, George

Special thanks are extended to Chris Durso, A4CD, who deigned and built the Fallbrook Amateur Radio Club's dual repeater system.

The voluntary, non-profit basis of amateur radio has proven its worth once again.

Best 73, Bob Gonsett, W6VR

WELL DONE ARES

I wanted to convey my sincere thanks from the ARES Team for the use of your superb repeaters this last weekend during the Fallbrook fire. The coverage of your machines into the North County is excellent and allowed all amateurs involved in disaster communications reliable and consistent coverage with the field units, shelters and Red Cross Headquarters in San Diego. While ARES owns no repeaters of it's own, it's dedicated clubs like yours that have the resources to construct and maintain repeaters that are so instrumental in emergency communications. The use of your club's assets to assist in times of crisis like this is greatly appreciated not just by us hams, but to the served agencies and people for which we are there to help! Please pass to all your members in the Palomar Amateur Radio Club, **WELL DONE** and **THANK YOU!**

Best 73, Kent, K6FQ 619-575-1964

San Diego Section Manager

Treasurer \$\$, \$\$\$	
Jo Ashley	KB6NMK @amsat.org
ASSETS	
Cash and Bank Accounts	
876-1216457-6	2,512.11
876-1216625-9	2,664.04
876-1216778-6	2,638.22
876-1391556-4	3,188.83
Ckg 0682 010566	4,280.67
Post Office	103.63
TOTAL Cash and Bank Accounts	15,387.50
TOTAL ASSETS	15,387.50
LIABILITIES & EQUITY	
LIABILITIES	
Pre-paid dues	8,824.00
Prop. Insurance	600.00
TOTAL LIABILITIES	9,424.00
EQUITY	5,963.50
TOTAL LIABILITIES & EQUITY	15,387.50

Last Month's Fold & Staple Crew	
KC6WAN Ralph	K6ML Jim P
KG6AEW Bill	KB6NMK Jo
N6UZH Terry	MY2KD
WA5ACE Sonny	W6GNI Al
KB6AEW Anita	KB6YHZ Art

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

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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!

See catalog at www.Palomar-Engineers.com

Please check our complete ads in **QST**, **73**, **CQ**, and **World Radio** magazines.

Ham Radio Legislation

Those of you who follow ham radio affairs in general know that the ARRL petitioned the FCC to take another look at the restrictive CC&R rules that are affecting our hobby, by frequently preventing even moderate antenna installations.

A recent decision by FCC again ruled that ARRL should take this issue to the Congress, essentially dodging the bullet once more time. In it's decision, the FCC stated *"...there has not been a sufficient showing that CC&Rs prevent Amateur Radio operators from pursuing the basis and purpose of the Amateur Radio service"*

Hmmmm...tried to put up an antenna lately?

In an indirectly related matter, during President Bush's recent visit to the State Of Florida, he and his brother (the Florida Governor) addressed Florida hams through a link-up of repeaters and ARES services across the state, congratulating and thanking hams for their volunteer services, and service during the November 11th. terrorist attacks. During the session, the Florida

ARES managers presented a petition to the Governor and the President for consideration of ham radio services, and the need for easing of antenna regulations in order to ensure hams were capable of continuing our service capabilities in support of emergency relief, and homeland defense actions.

I urge you to communicate your desires in these matters to our elected representatives in the U. S. Congress. Your Senator contact information may be found at www.senate.gov/contacting/index/cfm. Your Representative contact information may be found at www.house.gov/writerep/.

73 de NN3V

NEW MEMBERS

AC6WY, KB6YNL, KC9AGO, KG6HWS, KG6ERS, KG6ERR, and KO6CR.

When you hear these calls on a repeater, greet our new members.

Please check your label for information on when your membership expires.

Also, from time to time, there will be an extra line with other information. Last month, we printed the e-mail addresses that we have in the data base. Several members have sent corrections in e-mail addresses to help update our records. Thank you.

Again, I plead with all that move or change address, Please let us know.

The Post Office charges us \$.60 each time we get a SCOPE back, or get advice that it was forwarded.

73 and Thank you.

Al W6GNI

Committee

4

Chairmen

ARESinfo. -Dennis S	K7DCG@amsat.org
Attendance -Al	W6GNI@amsat.org
ATV -Bills KB6MCU	W6GIC@amsat.org
Auction -Jim C.	NE6O@amsat.org
Badges new -Al	W6GNI@amsat.org
Batteries -David KD6EBY	DAT@Gerry.Palomar.caltech.edu
BBSMonitor -Bill B	N6FMK@amsat.org
Billing:Ads/etc-Lyell K	K6GVM@arrl.net
By-laws -Paul NN6X	pdecicco@pondlaw.com
& -Ron RWA9JCL	r3mb@concentric.net
Contest Info -Dennis V	N6KI@amsat.org
ControlOps. -filled	W6NWG@amsat.org
D.Mar Fair-	
Emergency QTH's (Emergency Com. Centers)	
HarryH -W6YOO	W6YOO@amsat.org
DennisV -N6KI	N6KI@amsat.org
Field Day -Charlie R	NN3V@ARRL.net
FDTech. -John K	WB6IQS@Juno.com
Historian -	
Interference -Bills KB6MCU	W6GIC@amsat.org
Inventory -Dennis B	dennisKD6TUJ@juno.com
MtgGoodies -Jim E	W6SST@juno.com
Membership -Al W6GNI	aldonlevy@juno.com
Nets -	
Newsletter -	
PALBBSpkt -Bruno H	KF6QDP@amsat.org
Patch Info -	
PatchETronics-Jerry H	WB6FMT@amsat.org
Picnic -PaulD	NN6X@amsat.org
PowerAC/DC-Mike P	KD6VHI@amsat.org
Programs -Charlie R	NN3V@ARRL.net
Publicity -Fred S	K6ISS@amsat.org
QSL Cards -Merle R	KR6BT@Juno.com
RACESinfo -Jo A	KB6NMB@amsat.org
Red Flag -	W6HCD
	NashWilliams@Compuserve.com
Rptr Site -	
Rptr Skeds -	
SANDARC -	
SellerTable -John K	WB6IQS@Juno.com
AstSWDivDir-Walt	WA6ODQ@arrl.net
TechSite -Mike D	AB6QT@amsat.org
TestingVE -Rusty M,	DuneDancer@worldnet.net
Training -	W6NWG@amsat.org
TrusteeW6NWG-Mike D	AB6QT@amsat.org
Web Site -Frank L	KE6WOE@amsat.org

(Net Managers) (see pg.12)

ARES Sun -	
Staff Net -David D	KC6YSO@amsat.org
ARES 6m -David D	KC6YSO@amsat.org
Ham Help -David D	KC6YSO@amsat.org
Hiking -Ed	KF6DXX@Juno.com
-Glenn P	KE6ZLY@Juno.com
MARA -Cathy KE6IQU	W6NWG@amsat.org
Microwave -Kerry B	N6IZW@qualcomm.com
Off Road -Jerry A	jwak6pfp@cts.com
-Dick W KA7AYT	rwilimek@home.com

Sailors -
Traffic(SDCTN)-Charles**N6TEP** **cmiele@juno.com**

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

For Sale

(2.18) **KLM 34A Antenna**, 2 yrs. Since complete rebuild, replaced with newer model \$150, **Hi-Gain DHX6**, free for pickup, **17 mtr. Beam**, \$75, **Mosley PRO 57**, 5 band beam, \$100, **6BTV Hustler** \$50, Estate sale for **N6SMB**, **5BTV Hustler**, \$40, **Yeesu 150w Tuner**, \$50, **2m BRICK**, fm 50w, \$50, **Hallicrafters S120** receiver, needs work, \$25, **KDK FM 2015R** mobile, \$50, **HEATH RF Sig. Gen.**, \$25, **300W Dummy Load**, \$20
Ron , na6rs@amsat.org or 760-822-5170

(2.18) **ICOM IC-T81A HT**, (6m, 2m, 440, 1.2G), extra battery, software, and cable. \$260 Dave, KF6FA 909-677-2446 or kf6xa@qsl.net

(2.18) **ICOM IC 271A 2 Meters** All mode transceiver w/built-in Icom P.S. and pre-amp. \$300 ICOM IC 471A 400 MHz. All mode w/built-in P.S., one owner \$300, TE POWER AMP model 1412G 0-30 IN, 160w. Out. W/pre-amp. \$150 3 CDR Rotors, light and heavy duty, make offer. Bayard K6GAO 858-755-5507 or e-mail rehkopf@mail.sdsu.edu.

(2.18) **57 ft. Tower**, 2 section w/tile over, make offer, **GenRad Counters**, 30 Mhz. Models 1192 & 1192B \$25 ea. AB6QT, 760-742-1573

(12.11) **CW KEYER MFJ-401D** less than year old includes pwr adapter & manual \$35: Bernie N6FN 760-781-5522Wk, 760-

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 Editor before the 20th of each month.

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

Editor: W6NWG@amsat.org

746-7411Hm.

(12.11) **Drake Communications Receiver Mod 2-B** \$100; Calrad SR-16 SWR bridge \$10: Ruth 760-727-3178 Vista.

(11.20) **Ten-Tec HF Corsair** 80-10m w/pwr sup \$300; **Kantronics KAM** + cables, Hostmaster II + Pactor \$100; **Yeesu FT227R** 2m Memorizer \$30; **Icom IC25H** \$30; **Isopole** ant \$10; **G5RV** full size 80-10m new \$30; **HP Deskjet 660C** printer \$40: Max KB7RNP maxkb7rnp@aol.com 909-696-8495.

(11.19) **10m 4el beam** SS hardware asking \$75; **13el 2m beam** SS hardware \$30: Bayard K6GAO 619-594-6063 days or 858-755-5507 nights.

WANTED:

(01.19) Wanted: Kenwood TS 530, good condition only. Contact: Orly at orly42320@aol.com

(10.22) Need diagram of Tempo-1: Fred

Brown fwb@cts.com Palomar Mt.

(8.26) Wanted Heathkit Apache transmitter and Heathkit Mohawk receiver: Hugh K4ESQ via W9FQN@Juno.com

NOTICE

Items for sale and wanted notices should be sent to my email at na6rs@amsat.org no later than the 15th. of the month. To make the text directly transferable by me, please make the following changes to your to your e-mail program. If you are using MS Outlook or Outlook Express.

1. Select Tools
2. Select Options
3. Select Tab [Send]
4. Under mail sending -Select HTML

This takes the carrots (>) out of your message and makes it easy to copy.

Thanks, Ron NA6RS

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Ron
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ter

Astron,
AEA,
OUTBACKER
Larsen Antenas
TEN-TEC
hy-gain, Tri-EX,
cushcraft
and
others too
numerous to
mention!

n
d
un
sss

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 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.

Repeater Status 12.16.01

146.730+ : **Normal**
 147.075- : **Normal ?**
 147.130- : **Normal**
 447.000- : **Normal No patch attached**
 52.680 : **Normal?**
 146.700- : Packet Repeater **Normal**
 145.050s : Packet Digi **Normal**
 PALBBS : Bulletin Board **Normal**
 AutoPatch: **Normal** except for 447.000
 ATV : Operational

Work Parties

Technical, autopatch, repeaters, etc:

AB6QT@amsat.org (Rptrs); W9FQN@amsat.org (autopatch/work parties)

W6GNI. Club membership is at 515 members, with 483 Scope subscriptions.

Secretary's Report

KB5MU circulated copies of the minutes of the January meeting. **Motion** by AB6QT to approve the minutes. **Seconded** by KF6WTN. Motion **passed** unanimously.

Board Member Status

NN3V stated that he had received and accepted the resignation of W9FQN from the Board of Directors. There is now a vacancy on the Board, which must be filled from the (vacant) chairs of the standing committees.

Repeater Event Usage Policy Status

KB5MU stated that the ad hoc committee to revise the club's policy document for occasional organized users (such as emergency drills and public service events) had not yet begun work.

Repeater Site Chairman Search

AB6QT stated that he had enlisted KC6UQH and WN6K, both past Presidents of the club, to assist him in defining the duties that have been performed by the Repeater Site Chairman. They are scheduled to begin work with a teleconference on February 19, and hope to be able to present their recommendations at the next Board meeting, and to begin the search for a volunteer (or more than one) to assume the duties.

Club Web Site

NN6X stated that the new Club web site is up and running at <http://www.palomararc.org>. He doesn't expect to be doing any major revisions to it in the immediate future. NN3V praised the web site and stated that he had heard many favorable comments about it.

Scope Status

NE6O stated that the February Scope was published on schedule. AB6QT stated that it looked "pretty darn good". The Board established the following

Minutes

Palomar Amateur Radio Club, Inc. Board of Directors

February 13, 2002

President Charles Ristorcelli, NN3V

Vice President Mark Raptis, KF6WTN

Treasurer Jo Ashley, KB6NMK

Secretary Paul Williamson, KB5MU

Director #1 Paul DeCicco, NN6X

Director #2 Jim Cooper, NE6O

Repeater Technical Chairman Mike Doyle, AB6QT

Visitor Merle Risdon, KR6BT

Visitor Ron Surfield, NA6RS

Treasurer's Report

KB6NMK circulated copies of the Treasurer's Report. **Motion** by KF6WTN to approve the Treasurer's Report. **Seconded** by AB6QT. Motion **passed** unanimously. KB6NMK stated that last month's balance sheet was off by about \$3000, because of a CD that had matured but not yet been credited to the checking account. The current balance sheet is correct.

Membership

KB6NMK presented a verbal report from

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4-400C - 6146B & W - 8072 - 8560AS - 8873 - 8875

3CX400A7 & U7 - 3CX1200A7 & Z7 - 3CX1500A7 - 3CX3000A7

4CX250B & R - 4CX400A - 4CX1600A - 5CX1500A

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PARC NETS (06/01)

All 147.075 10-11pm MCW contacts
 All 147.130 2200+ pm Facitious Group
Sun. 146.730 8:30am AREmergency Service
 Sun. 146.730 10:00am Sunday Sailor's Net
 Sun. 147.075 8:45pm MARA Net
Mon. 146.730 9:00pm Microwave Net
Tue. 146.730 8:00pm Traffic Net (SDCTN)
 Tue 146.730 9:00pm Off Roothing Net
Thu. 146.730 8:00pm Traffic Net (SDCTN)
 Thu. 146.730 9:00pm Ham Help Net
 (electronics, computers, antennas, license theory, etc.)
Fri. 146.730 9:00pm Hiker's Net
Sat. 146.730 8:00pm Traffic Net (SDCTN)
 Sat. 52.680 8:00pm 6m ARES Net
 "other non-PARC nets"
 Convair/220 Club: 224.900 PL 107.2 Hz
 Mon 8:30pm, Tech. & News
 Fallbrook ARC: 146.175 + PL 107.2 Hz
 Tues 7:00pm, General Discussions

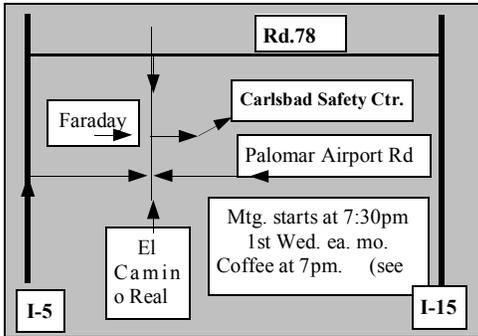
POSTMASTER:

Send address changes to
 Scope, P.O.Box 73, Vista, CA
 92085-0073 (also on page 1)

*Time Dated
 Material*

MAR
 2002
 pg.8

Periodicals
 Postage Pd.
 at Vista CA
 92085-9998



pse cover me!

Fold, I am not sold but old and cold, I am told !

PARC Web Page (KE6WOE)

<http://members.home.net/parc/>

OPEN Repeaters/CLOSED Patches

Palomar Mt. Repeaters (W6NWG)

PARC Trustee of W6NWG: AB6QT

*52.680- W6NWG, -0.5 MHz

Autopatches(4): 146.730-, *147.075+
 *147.130+, *447.000-

PKT: 145.050s (PALMAR/W6NWG-1)

146.700-(Duplex Pkt) PALBBS/EMG use

145.070/146.7- (W6NWG-3/PALBBS)

ATV "OUTPUT": 1241.25 MHz AM

ATV "IN": 915wbfm, 919am,

2441.25wbfm

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

P.A.R.C. Inc (2002 Board)

Pres: Charlie Ristorcelli NN3V 858.676.3307
 NN3V@amsat.org

VP: Mark Raptis KF6WTN 760.749.4825
 KF6WTN@amsat.org

Sec: Paul Williamson KB5MU 858.571.8585
 (760-742-9924PalomarMt) KB5MU@amsat.org

Treas: Jo Ashley KB6NMK 760.741.2560
 KB6NMK@amsat.org

Dir#1: Paul DeCicco NN6X 619-595.0500
 NN6X@amsat.org

Dir#2: Jim Cooper NE6O 760-727-8446
 NE6O@amsat.org

Repeater: Stan Rohrer W9FQN 760.749.0276
 W9FQN@amsat.org

MSh: Al Donlevy W6GNI 760.630.3096
 W6GNI@amsat.org

Technical: Mike Doyle AB6QT 760.742.1573
 AB6QT@amsat.org

Web Pages

PARC's Home Page - KE6WOE

<http://members.home.net/parc/>

Rod's General Home Page - AC6V

<http://ac6v.com/>

ARES Alert Publication

<http://www.qsl.net/sdgarri/alert.htm>

Tom's Hiker's Home Page - KF6PAZ

<http://www.fanciful.org/san-diego-hiker>

PARC Testing - tests given each 2nd Saturday at 9:30 am in the Carlsbad Safety center in Carlsbad. Contact Rusty AA6OM at 760-747-5872 or at

DuneDancer@worldnet.att.net

Register 5-7 days in advance for tests.

Escondido Testing - examinations on the LAST Saturday @ 9:00am, Chamber of Commerce, 720 N.Broadway, Esc 92025. Contact Harry W6YOO 760-743-4212.

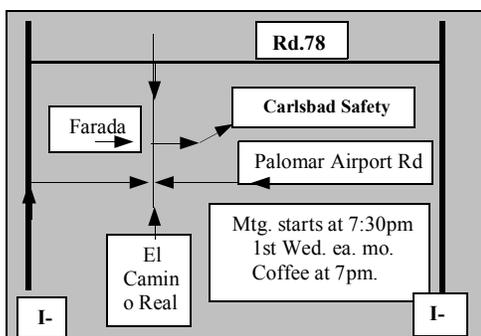


Palomar Amateur Radio Club

April 2002

Meeting Notice

Palomar Amateur Radio Club meets the first Wednesday of each month at the Carlsbad Safety Center at 7:30 p.m. Although most come at 7:00 p.m. for refreshments and to chat with friends. There is also a for-sale table, so bring that unused piece of gear to sell.



PARC Web Page

<http://www.palomararc.org>

OPEN Repeaters/CLOSED

Patches

Palomar Mt. Repeaters (W6NWG)
PARC Trustee of W6NWG: AB6QT

*52.680- W6NWG, -0.5 MHz

Autopatches(4): 146.730-, *147.075+

*147.130+, *447.000 -

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Affiliated:

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*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;

Emergency Help

PARC member Harry Paul lost his house and all ham gear to a kitchen fire this past week, but he and his daughter Nikki escaped unharmed. Praise God. However the loss of over \$80,000 was not fully covered. Therefore, there will be a music benefit on April 13th. and 14th. to help. Please check of Rods web page for details at www.ac6v.com.

Presidents Message

President's Message:

Happy April all. This is the famous month that starts with a great deal of merriment and fun, frequently calling us to wonder if what we hear or read is true.

As the PARC Field Day organizer (a questionable honor?), I am frequently asked: "What are we doing for FD this year?" I can assure you that whatever we do, it is going to be *very different from past years!*

I won't belabor the point about the purpose of FD, or the many other points regarding contesting, fun, whether or not FD is a special event, and how to win extra points, etc. That's been covered elsewhere too many times. If you know nothing about FD, then I recommend you go to the ARRL web page, or read about FD in the many excellent QST articles appearing yearly on the subject. Perhaps the best thing you can do is: *get active in PARC FD 2002.*

For the sake of clarity, I will dedicate the rest of this column to giving you some reasons for getting involved.

FD will not be at the traditional site. We presently are scouting for a new site. We tentatively have two sites under investigation, one in the Del Mar area, and one near Palomar. Two *volunteers* are looking into their availability. If *you have a site idea*, tell us.

FD will not be the traditional 5A. Since the set-up convenience we enjoyed in past years is gone, the logistics of setting up a large FD, coupled with finding a new site and making arrangements for the antenna sightings will probably prevent that from happening. This might be alleviated *if we have volunteers for FD.*

FD operators will not be the traditional crew. Departure from our usual convenient spot means *we need volunteers to get really involved in planning, logistics, and set-up.*

When is FD 2002? FD is always the fourth complete weekend in June. This year that will be June 22nd. - 23rd. Operation of FD starts at 11:00 AM PST on June 22nd., and ends at 11:00 AM PST on June 23rd.

When is FD 2002 set-up? In general, hams throughout the U.S. will start setting up on Friday evening (this year the 21st.) and tear down is completed on Sunday afternoon (the 23rd).

What is needed for FD? Highly *motivated volunteers*. This is the one occasion to pit your skills against the vagaries of unpredictability. It is the one chance you will have to work alongside others, some who will have a lot of experience in antenna set-up, emergency power, jury-rigging electronics in the field, grounding, interference cancellation, and a host of other skills. Others *should be novice greenhorns* able to provide labor and spirit, and who at the end of FD will know more about ham radio than several years of lonely Ham shack operation will ever teach.

What logistics are needed for FD? Highly *motivated volunteers* able to work hard to gather:

- Shelters (at least one trailer/camper/mobile home per station)
- Electric generators (some will be available from the club)

- Transceivers (one HF transceiver per band we set-up, assorted VHF/UHF transceivers)
- Power meters, tables, chairs, computers, logging software etc.
- Etc, including the kitchen sink.

While PARC has a select amount of the above, there is never enough, especially when you factor in the equipment needed to keep Murphy at bay.

What amenities are available? Naturally, for fun, there is more fun than a barrel of monkeys can ever provide. Creature comforts are up to you. If we get shelters, some sleeping accommodations will be in the shelters (but remember that there will be a radio in operation all night). So, bring your sleeping bag, your tent, and your toothbrush (nothing is worse than sitting across from a bad-breathed ham hollering CQ SS into a microphone on Sunday morning), etc.

What food is available? PARC provides basic chow. Two years ago we initiated a **FD Family Picnic** on Saturday evening, where PARC provides the heavy cholesterol (sliders, burgers, canines, rolls, and cola). We ask that anyone who wishes to come to the FD site for the picnic bring a pot-luck dish to share with the gang.

Gourmet Arrangement. Two years ago, PARC also initiated the **Road Kill Café**, a culinary must visit stop for all FD clubs in San Diego county. The café earned the I. O.O.K. award "**Best FD Food West Of Dayton**" the two years of it's operation, and we expect the café to operate again this year. It hosts the PARC FD picnic, and hosts the FD Midnight Chili Cook-Off, the source of power for the Saturday midnight to Sunday morning stretch. It also serves food the 24 hours of operation, and a grand breakfast on Sunday morning.

Preparations. Well, **highly motivated volunteers are needed.** Leaving our traditional site will press our ability to prepare our equipment. Arrangements **will be planned on the PARC FD Planning Net, that will begin operation on Wednesday evenings, at 8:00 PM, on 146.730 MHz repeater starting April 17th.**

If you want to get involved, contact me at NN3V@amsat.org, or catch me on the repeaters. Above all, plan on meeting on the FD planning net mentioned above.

Meeting Agenda



Ears Auction

The Escondido Amateur Radio Society will hold their annual auction on the Fourth Tuesday of April, the 23d. Sellers register at 6:00 PM, Buyers at 6:30 PM and the Auction will kick off at 7:00 PM. Art McBride, KC6UQH is the Auctioneer.

PARC members are invited to participate in the fun and drag something home that they can sell at the PARC auction in Oct.

ARRL Convention AUGUST 16-18, ESCONDIDO

This year's American Radio Relay League ("ARRL") Southwestern Division Convention will be held at the California Center for the Performing Arts, Escondido, CA on August 16-18, 2002. Featured speakers: Jim Haynie, W5JBP, President, ARRL; Riley Hollingsworth, K4ZDH, FCC Enforcement Bureau, Special Counsel for Amateur Radio.

For advance registration or more information:

<http://sd2002.hamcon.net/sd2002.index.html>

Information courtesy of Jack Dobbs, WB6AXW, SANDARC VP

P.A.R.C. Inc (2002

Board)

Pres: Charlie Ristorcelli NN3V 858.676.3307
NN3V@amsat.org

VP: Mark Raptis KF6WTN
760.749.4825

KF6WTN@amsat.org

Sec: Paul Williamson KB5MU 858.571.8585
(760-742-9924PalomarMt) KB5MU@amsat.org

Treas: Jo Ashley KB6NMK 760.741.2560
KB6NMK@amsat.org

Dir#1: Paul DeCicco NN6X 619-
595.0500

NN6X@amsat.org

Dir#2: Jim Cooper NE6O 760-727-
8446

NE6O@amsat.org

Repeater: Stan Rohrer W9FQN
760.749.0276

PARC Testing - tests given each 2nd Saturday at 9:30 am in the Carlsbad Safety center in Carlsbad. Contact Rusty **AA6OM** at 760-747-5872 or at **DuneDancer@worldnet.att.net**

Register 5-7 days in advance for tests.

Escondido Testing - examinations on the LAST Saturday @ 9:00am, Chamber of Commerce, 720 N.Broadway, Esc 92025. Contact Harry **W6YOO** 760-743-4212.

Web Pages

PARC's Home Page - **KE6WQE**
<http://www.palomararc.net>

Rod's General Home Page - **AC6V**
<http://ac6v.com/>

ARES Alert Publication
<http://www.qsl.net/sdgarrl/alert.htm>

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

Repeater Status 12.16.01

146.730+ : **Normal**
147.075- : **Normal ?**
147.130- : **Normal**
447.000- : **Normal No patch attached**
52.680 : **Normal?**
146.700- : Packet Repeater **Normal**
145.050s : Packet Digi **Normal**
PALBBS : Bulletin Board **Normal**
AutoPatch: **Normal** except for 447.000
ATV : Operational

Yeasu's New Home

Vertex Standard USA, better known in some circles as Yaesu, is moving to a huge, beautiful new facility. The new address is Vertex Standard U-S-A, 10900 Walker Street, Cypress, California, 90630. The new phone number is 714-827-7600.

All e-mail addresses will remain the same but telephone extensions will change. Vertex Standard makes the move -- no joke -- on Monday, April 1st.

Mt. Carmel Amateur Radio Club

The Mt. Carmel Amateur Radio Club located at the Mt. Carmel High School is beginning the new year with two ham radio projects named MARSC and McHABEx. The MARSC Project also known as the Mt. Carmel Amateur Radio Space Contact plans to organize an amateur radio con-

tact with the International Space Station in the spring of 2003. At the moment we have support from the high school administration, and are looking for funding for the amateur radio equipment needed to participate in the ARISS Program. (ARISS is the program which organizes the amateur radio contact with NASA and the ISS astronauts.) The MARSC project plans to put together an amateur radio station at the high school for students to use when the contact with the ISS occurs. During the contact, high school students will ask questions from the astronauts. The contact generally lasts about ten minutes, but is a good opportunity for students to see what amateur radio can do. The contact will also be a good chance for ham radio to once again appear in the media. The Mt. Carmel Amateur Radio Club will try to draw as much media coverage toward the contact as possible.

The McHABEx program intends to send a series of high altitude balloons into near space in the upcoming year. Each balloon will have increasingly complex systems aboard. The first balloon launch slated for this spring is planned to only have a beacon aboard for tracking purposes. Later the students participating will launch a balloon with temperature sensors and a telemetry transmitter on VHF. The final launch may include an ATV camera and APRS for the tracking of the balloon's flight, and a telemetry downlink for the sensors aboard. Currently the club has solid student participation with lots of students interested in the ham radio, engineering, programming, weather, and data collection aspects of the balloon project. The club is also looking for funding towards the project. The high altitude balloons, radios, Basic Stamp Microcontrollers, weather prediction programs, and materials will all be part of the budget.

The Mt. Carmel Amateur Radio club was founded in 2001 and has about twenty students participating. About seven students have been licensed as part of an after school class offered by a teacher who is also a ham. Currently the club meets during school on Fridays around noon. The MARSC and McHABEx projects are part of an after-school class offered by John Earnest KG6EQU on Mondays and Tuesdays called Radio Technology. The after school class meets at 2:30PM at the high school in

Rm. T12. Hams are welcome to stop by with prior notice. The club has a website at www.transworldradio.8m.com/mchs/index.html More information can be found on the website.

Contact Info: hilkiah@juno.com
ad6xs@amsat.org

From: Sam AD6XS
MCARC Club President
<http://www.transworldradio.8m.com/>

Brain Teaser

There are three switches in one room that control three lights in another room across the hall. You can only go in each room one time and you can only see the room your in. How do you find out which switch controls which light? Email me if you figure it out without cheating. Now those who know — be quiet. Answer next month.

10 Meter Net

Join Dr. Denny WA9MTP and the 10 METER group Monday - Friday at 8:00 pm on 28.340. The only requirement is you have the proper license and that he/we can hear you. 73

WBØYCQ – BERAND

Goodie Givers March Meeting

N6TCB Jerry
KD6AKT Ted
N6ISC Paul

Last Month's Fold & Staple Crew

KC6WAN	Ralph	W6GNI	Al
K6ML	Jim P	KB6AEW	Anita
KB6NMK	Jo	KB6YHZ	Art
N6UZH	Terry		
MY2KD	+2		
WA5ACE	Sonny		

Treasurer \$\$,\$\$\$

Jo Ashley KB6NMK @amsat.org

ASSETS

Cash and Bank Accounts	
876-1216457-6	2,512.11
876-1216625-9	2,664.04
876-1216778-6	2,638.22
876-1391556-4	3,188.83
Ckg 0682 010566	4,280.67
Post Office	103.63
TOTAL Cash and Bank Accounts	15,387.50
TOTAL ASSETS	15,387.50

LIABILITIES & EQUITY

LIABILITIES	
Pre-paid dues	8,824.00
Prop. Insurance	600.00
TOTAL LIABILITIES	9,424.00
EQUITY	5,963.50
TOTAL LIABILITIES & EQUITY	15,387.50

Club Membership

More New Members Joining PARC:

KC7JMA, KG6JEI, KG6JDF, AD6XQ, KG6IXN, and Bettadapura Sharma (No call yet).

In addition, 7 members that had let their membership expire, rejoined the club. When you hear these calls on a repeater, be sure to greet our new members. Please check your label for information on when your membership expires.

Also, from time to time, there will be an extra line with other information. This month the number of Activity points that we have on your record for this year is printed after your name, on the same line. 73 and Thank you. AI

PARC Board Of Directors New Ham Representative.

I am very pleased to announce to all our members that KG6JMP (Mike) graciously accepted the position of non-voting Board Of Directors member to represent the interests of new hams.

The Board is interested in fostering renewed meaning and relevance to all new hams in san Diego County, and KG6JMP will serve as a focal point for making those interests known and pursued by PARC. But remember, he is a *representative of new hams*. You can reach him through KG6JMP@amsat.org

As a representative he will be interested in hearing from all new hams about things that may be of interest, and in particular those interests that new hams are having trouble pursuing, or that they would like PARC to help with.

As a new position on the Board, there is no "job description" for the position, and Mike will mold and craft it to fit the interests of those who believe they can gain knowledge from the experience around PARC.

Welcome **KG6JMP (Mike)** to the **PARC "New Ham" position on the PARC Board.** 73 de NN3V

FREE COMPUTER CLASSES

The State of California sponsors six career development centers in San Diego county. These centers provide, among other things, free computer classes. If you are retired or searching for a job, these centers can provide you with valuable training at no cost to you (your tax dollars hard at work). These courses are free and open to everyone.

If you are having trouble figuring out how to download, install, run programs or organize your files, the Windows course may be for you. This is an opportunity to become self sufficient and avoid the aggravation and frustration of being clueless in the ways of Windows. Many other advanced computer courses are also offered for those wishing to improve their skills or learn new software. Not all courses are offered at every center. You must register for these courses in advance. If you can invest a few hours, you will be rewarded. Call the center in your area for more information.

SAN DIEGO METRO 858-974-7620
NORTH COUNTY 760-930-2400
INLAND NORTH COUNTY
760-738-0274
SOUTH METRO 619-266-3600
SOUTH COUNTY 619-424-1112
EAST COUNTY 619-590-3900

James, AD6LP

FCC & HAM TEAMWORK By W6VR

Fallbrook, CA - The town whose outskirts were hit by a devastating fire on February 10 is back in the news one month later as a mysterious source of interference hits Fallbrook's primary fire dispatch frequency, and hams aid the FCC in locating the jammer. The incident happened over the weekend of March 10.

Division Chief Milt Davies,

Committee Chairmen

AREInfo -Dennis S **K7DCG@amsat.org**
Attendance -AI **W6GNI@amsat.org**
ATV -Bills KB6MCU **W6GIC@amsat.org**
Auction -Jim C. **NE6O@amsat.org**
Badges new -AI **W6GNI@amsat.org**
Batteries-David KD6EBY DAT@Gerry.Palomar.caltech.edu
BBSMonitor -Bill B **N6FMK@amsat.org**
Billing:Ads/etc-Lyell K **K6GVM@arrl.net**
By-laws -Paul NN6X **pdecicco@pondlaw.com**
& -Ron RWA9JCL **r3mb@concentric.net**
Contest Info-Dennis V **N6KI@amsat.org**
ControlOps -filled **W6NWG@amsat.org**
D.Mar Fair-
Emergency QTH's (Emergency Com. Centers)
HarryH -W6YOO **W6YOO@amsat.org**
DennisV-N6KI **N6KI@amsat.org**
Field Day -Charlie R **NN3V@ARRL.net**
FDTech.-John K **WB6IQS@Juno.com**
Historian -
Interference -Bills **KB6MCU W6GIC@amsat.org**
Inventory -Dennis B **dennisKD6TUJ@juno.com**
MtgGoodies -Jim E **W6SST@juno.com**
Membership -AI **W6GNI aldonlevy@juno.com**
Nets -
Newsletter -
PALBBSpkt -Bruno H **KF6QDP@amsat.org**
Patch Info -
PatchETronics-Jerry H **WB6FMT@amsat.org**
Picnic -PaulD **NN6X@amsat.org**
PowerAC/DC-Mike P **KD6VHI@amsat.org**
Programs -Charlie R **NN3V@ARRL.net**
Publicity -Fred S **K6ISS@amsat.org**
QSL Cards -Merle R **KR6BT@Juno.com**
RACESinfo-Jo A **KB6NMK@amsat.org**
Red Flag - **W6HCD**
NashWilliams@Compuserve.com
Rptr Site -
Rptr Skeds -
SANDARC -
SellerTable -John K **WB6IQS@Juno.com**
AstSWDivDir-Walt **WA6ODQ@arrl.net**
TechSite -Mike D **AB6QT@amsat.org**
TestingVE -Rusty M, **DuneDancer@worldnet.att.net**
Training - **W6NWG@amsat.org**
TrusteeW6NWG-Mike D **AB6QT@amsat.org**
Web Site -Frank L **KE6WOE@amsat.org**

(Net Managers) (see pg.12)

ARES Sun -
Staff Net -David D **KC6YSO@amsat.org**
ARES 6m -David D **KC6YSO@amsat.org**
Ham Help -David D **KC6YSO@amsat.org**
Hiking -Ed **KF6DXX@Juno.com**
-Glenn P **KE6ZLY@Juno.com**
MARA-Cathy **KE6IQW W6NWG@amsat.org**
Microwave -Kerry B **N6IZW@qualcomm.com**
Off Road -Jerry A **jwak6pfp@cts.com**
-Dick W **KA7AYT rwilimek@home.com**
Sailors -
Traffic(SDCTN)-Charles **N6TEP cmiele@juno.com**

Questions about club policy or for information can be addressed to **W6NWG@amsat.org**

KD6UBA, of the North County Fire Protection District, recognized the interference to his fire department's primary dispatch channel as on-channel jamming, and he knew he needed outside help. This was no stuck mike. He was dealing with a signal that was largely unmodulated but would be pock-marked with strange data-like bursts. Sometimes the jamming transmitter was on-the-air more or less continuously. Sometimes it was on and off. Sometimes it was off for long periods of time and only transmitted for a few seconds in bursts. There was no pattern to the madness. The FCC and local hams were called into action to get to the heart of the matter.

First, permanent FCC direction finding stations on the West Coast were operated by remote control from Washington, D.C. in an attempt to pinpoint the source of the interference. However, because some of the DFing pods were down for servicing, only one line-of-bearing was obtained. The hidden transmitter could be anywhere along a 45 mile path.

To home-in on the location, members of the Palomar Amateur Radio Club were asked to listen to the fire dispatch frequency and give signal strength reports on the unmodulated carrier. It soon became clear that the FCC's mobile DFing activity - the next phase of the investigation - should begin in the vicinity of the City of Vista, CA.

Soon, an FCC direction finding vehicle appeared on the scene, operated by Bill Zears, engineer in charge of the FCC's San Diego Field Office. Unfortunately, the jamming signal was weak at the locations where the DFing work began. So Bill drove to Fallbrook, got a good bearing, and that sent him into the rugged eastern portion of Vista, a place with private roads and locked gates. Complicating matters was the fact that the hidden transmitter had decided to go silent for long periods of time, making DFing more challenging. Then a fire broke out on Marine Corps. Camp Pendleton, which is right next door to Fallbrook - underscoring the need to clear Fallbrook's frequency as soon as possible. The jamming had in fact blocked communications between the Fallbrook fire crews working the Pendleton fire, and their dispatch center. Bill stayed on the job as Sunday afternoon turned into evening.

Finally, enough DFing information was available to pinpoint the jammer to a 30' tower atop a hill in east Vista - a hill protected by a series of locked gates. Local

residents believed the site was operated by the local water company, but the company's emergency phone number dead-ended into an answering machine.

The Vista fire department was called where a Battalion Chief answered and offered immediate assistance. He was already up to speed on the interference thanks to a contact earlier in the day from a local ham radio operator, saving valuable time.

Then another ham chimed in and recalled that the City of Vista, back in its pre-800 MHz days, had a transmitter up on the suspect peak. That old transmitter just happened to share Fallbrook's current VHF dispatch frequency! The pieces of the puzzle were beginning to fit together.

Soon, a caravan of vehicles headed up the hill to investigate, with the Vista fire department opening the gates. Once at the site, in a locked outdoor equipment box, was Vista Fire's old VHF transmitter with the AC power still turned on - even though the radio system had been abandoned long ago. The crew lost no time in confirming that the box discovered was indeed the culprit, and they shut off the AC power. A long day's work had come to an end.

If you have ever wondered what the FCC considers as a high priority case, now you know. They're out protecting our public safety frequencies, and working long hours to do it. Dedicated FCC Agents are priceless; and so are hams.

In this case, it was a ham who recognized that the Fallbrook fire department interference was co-channel jamming. When outside help was needed, hams quickly zeroed in on the jammer's general location. Another ham brought the Vista fire Chief up to speed ahead of time, even though no one then suspected that Vista's old fire radio would be the culprit. Once the jamming site was identified, it was a ham who recalled the old Vista fire transmitter on that very spot, and the information was passed along to the FCC.

In short, hams represent a vast national

resource, in knowledge and skill, and their efforts helped speed the resolution of this public safety interference case.

The reason the Vista transmitter turned itself on is still a mystery as we go to press, but a rat's nest was spotted in the bottom of the equipment cabinet. Those critters are known to eat through and short out just about anything, and their copious fluids are conductive and corrosive.

If there is a moral to this story, it is to always deactivate or remove unused radio equipment. Even if you have a radio system that you want to keep around for a while as a contingency, pull the power or yank the coax. Murphy lives.

Goodie Givers March Meeting

N6TCB Jerry
KD6AKT Ted
N6ISC Paul

Contest

April 5 Mapan Int'l DX Contest
April 6 Polish DX Contest
April 6 Spanish RTTY Contest
April 6 QCWA QSO Party
April 20 Michigan QSO Party
April 20 Ontario QSO Party
April 27 Helvitia Contest, CW & SSB
April 27 Nebraska QSO Party
April 27 Florida QSO Party
April 27 County Hunters Contest, SSB
May 4 Ten-Ten Int'l Spring QSO Party
May 4 CT, MA, IN QSO Parties

Some really good stuff this time. DX, CW, RTTY, and state QSO parties. Go ahead and add to you DXCC and WAS totals. Rules may be found in QST, Worldradio, CQ, and National Contest Journal magazines.

See You In The Contest.
73, Harry, W6YOO

Ears Auction

The Escondido Amateur Radio Society will hold their annual auction on the Fourth Tuesday of April, the 23d. Sellers register at 6:00 PM, Buyers at 6:30 PM and the Auction will kick off at 7:00 PM. Art McBride, KC6UQH is the Auctioneer.

PARC members are invited to participate in the fun and drag something home that they can sell at the PARC auction in Oct.

10 METER PROPAGATION

The 10-meter band is subject to wide swings in propagation characteristics and also has several types of propagation modes. During solar peaks, long-distance F2 propagation is very exciting where low power stations can produce strong signals halfway around the world and the band is usually open from sunrise to a few hours past sunset. Propagation tends to follow the sun and for the USA, with Europe coming in the morning, a little later Africa, then the Caribbean, Central and South America with good propagation across the US. Later, the Pacific Islands, then Asia. There are also seasonal variations, and 10 meters tends to be better near the spring or fall equinox. Summer conditions can be poor even with high solar activity.

Ten meters and 12 meters can be exciting using low power and reasonable antenna heights. Old timers will say 10M can be worked with 5 Watts and a wet noodle, and it is true during the height of the solar cycle. I have worked China by loading my rain gutters. One urban lore is in the old days when a light bulb was used as a dummy load, OT's could work several hundred miles on the light bulb, so they say!

During the solar minimum, there may be no 12 propagation at all. Except for line of sight contacts, the band can be completely dead. In the intermediate years, 10 meters usually opens only to low and trans-equatorial latitudes around noon. During the peak years, signals tend to skip over the close-in states and from California to Wyoming is

very difficult. However, Ole Sol makes up for it in a different way, sporadic E propaga-

tion when Wyoming can be loud and clear if some of their 1500 hams will come on the air.

Sporadic E propagation is fairly common on 10 m, especially in the months of May through August, although it may appear at any time. Short skip, as it is sometimes called on the HF bands, has little relation to the solar cycle and occurs regardless of F-layer conditions. It provides single hop communication from 190 to 1400 miles and multiple-hop opportunities of 2800 miles and more.

Ten meters is a transitional band sharing some of the propagation characteristics of the VHF bands. Meteor scatter, Aurora, auroral-E and trans-equatorial spread-F provide the means of making contacts out to 1400 miles and more.

Beginners may ask why they can only hear one station in a two way QSO, unlike 40M or to some extent 20M. This is explained by skip zones, where you may hear across country but don't have a path to 400 miles away.

For newbies on 10 Meters --you will hear folks exchanging 10-10 numbers. 10/10 is dedicated to high Ham usage of the 10M band to offset other services from coveting the band. Is it worth while -- you betcha, otherwise we may lose the band as was the case with 11 Meters years ago.

"Ten-Ten International Net, or 10-10 for short, is an organization of amateur radio operators dedicated to maintaining high levels of amateur radio communications on the 10-meter amateur band (28.0-29.7 MHz). Established in 1962, 10-10 has grown continuously since that day, with some ups and downs according to the numbers of sunspots and the openness of the band. As you read this, the number of 10-10 numbers issued to members is over 70,000. 10-10 would welcome your membership in the organization if you have an amateur radio license with 10-meter privileges."

To join Ten-Ten International and get a 10-10 number, just contact ten 10-10 members (on 10 meters), listing their information as noted on the Membership Application form. See URL: <http://www.ten-ten.org/>

Treasurer \$\$, \$\$\$

Jo Ashley kb6nmk@amsat.org

TOTAL ASSETS	
Cash and Bank Accounts	\$15,983.69
LIABILITIES	9,348.00
EQUITY	6,635.69
TOTAL LIABILITIES & EQUITY	\$15,983.69

AC6V Mega Ham Index at <http://ac6v.com> and AC6V Book For DXers at

<http://ac6v.com/DXSAMPLE.htm>

73 From AC6V, Rod In Oceanside, CA

Uh-Oh!

I was saddened to see the criticism of the handling of the Fallbrook Fire, especially since it came from people who were not even there. The Fallbrook repeaters covered most of the area needed and were much better than any other repeaters available. The Fallbrook hams did a great job, they had people at all the key places, shelters, hospitals, Fire IC, AR staging and receiving, etc. Bill Dewey, WD6AHW had the net well under control, and his son Wayne, WD6AHX arrived at about the same time as I did and helped him. They were trying to locate family members who had been evacuated for the public. They were also sharing their repeaters with Animal Rescue and arriving ARES and RACES members. They already had hams at the IC and RACES had at least three operators there too, so when AR asked for extra hams to ride with their scouts I went out with one of them. I think all the Fallbrook Hams did a Great Job,

de Jo, KB6NMK



For Sale

(3.18) **KENWOOD TS 530S** Transceiver, 160 thur. 10 meters, manuals and mike. In good condition. \$450 Bob K3DLC 858 278 4864 or hurwi7@aol.com

(3.18) **2 METER MOBILE HTX 212** \$115.00. Very clean, never used as Mobile. Power Supply, **ASTRON RS 35A**. \$90.00. Very clean. Get both for \$175.00 Ed w6abe@amsat.org or 760-757-4050

(3.18) W6NFB Estate Sale, **Kenwood TS 450 AT, Astron RS 35A Power Supply. Mic. and Dummy Load.** \$500, **ALFA 78A KW** + Amplifier. \$500 Universal Aluminum Free Standing **40 foot Tower** with Rotor, Beam, Vertical and Coax. \$275, **Drake SPR-4** Communications Receiver \$25, (needs work) Contact: Wayne in Vista 760 - 724 - 0777

(2.18) **KLM 34A Antenna**, 2 yrs. Since complete rebuild, replaced with newer model \$150, **17 mtr. Beam**, \$75, **Mosley PRO 57**, 5 band beam, \$100, Estate sale for N6SMB, **Yaesu 150w Tuner**, \$50, **2m BRICK**, fm 50w, \$50, **Hallicrafters S120** receiver, needs work, \$25, **KDK FM 2015R** mobile, \$50, **HEATH RF Sig. Gen.**, \$25, **300W Dummy Load**, \$20 Ron, na6rs@amsat.org or 760-822-5170

(2.18) **ICOM IC-T81A HT**, (6m, 2m, 440, 1.2G), extra battery, software, and cable. \$260 Dave, KF6FA 909-677-2446 or kf6xa@qsl.net

***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

(2.18) **ICOM IC 271A** 2 Meters All mode transceiver w\built-in Icom P.S. and pre-amp. \$300 **ICOM IC 471A** 400 MHz. All mode w\built-in P.S., one owner \$300, **TE POWER AMP** model 1412G 0-30 IN, 160w. Out. W\pre-amp. \$150 3 CDR Rotors, light and heavy duty, make offer. Bayard K6GAO 858-755-5507 or e-mail rehkopf@mail.sdsu.edu.

(2.18) **57 ft. Tower**, 2 section w/tile over, make offer, **GenRad Counters**, 30 Mhz. Models 1192 & 1192B \$25 ea. AB6QT, 760-742-1573

(12.11)**CW KEYER MFJ-401D** less than year old includes pwr adapter & manual \$35: Bernie N6FN 760-781-5522Wk, 760-746-7411Hm.

(12.11) Calrad SR-16 SWR bridge \$10: Ruth 760-727-3178 Vista.

(11.20)**Ten-Tec HF Corsair** 80-10m w/pwr sup \$300; **Kantronics KAM** + cables, Hostmaster II + Pactor \$100; **Yaesu FT227R** 2m Memorizer \$30; **Icom IC25H**

\$30; **Isopole** ant \$10; **G5RV** full size 80-10m new \$30; **HP Deskjet 660C** printer \$40: Max KB7RNP maxkb7rnp@aol.com 909-696-8495.

(11.19)**10m 4el beam** SS hardware asking \$75; **13el 2m beam** SS hardware \$30: Bayard K6GAO 619-594-6063 days or 858-755-5507 nights.

WANTED:

(01.19) Wanted: Kenwood TS 530, good condition only. Contact: Orly at orly42320@aol.com

(10.22)Need diagram of Tempo-1: Fred Brown fwb@cts.com Palomar Mt.

(8.26) Wanted Heathkit Apache transmitter and Heathkit Mohawk receiver: Hugh K4ESQ via W9FQN@Juno.com

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Last Month's Fold & Staple Crew

KC6WAN	Ralph	W6GNI	Al
K6ML	Jim P	KB6AEW	Anita
KB6NMK	Jo	KB6YHZ	Art
N6UZH	Terry		
MY2KD	+2		
WA5ACE	Sonny		

Swap Meets

Western Amateur Radio Friendship Association Swap Net - March 6, 2002 Every Wednesday evening at 8:30PM Pacific Time on 3.908 Net Manager - K7RFI - Don Cory

7.240 Every Sat. and Sun. Starts around 12:30PM—Controls are various.

3.915 On Sunday mornings at 10:00AM Pacific Time. Net controls - W7BUN

3.922 On Sunday evenings from 5:30PM to 7:30PM PST Mid-West Swap Net

7.235 Every morning at 11:30AM PST. Western US Chaverim Rag Chew/Swap Net, Net control - WA6USL

3.908 "Northstar Traders net" - 8:30AM Central. Host = W5MAZ (originates from Minnesota/Wisconsin area)

146.085 + 600 "Yuba Sutter Amateur Radio Club's". Monday Night Swap Net at 7:00PM PST

145.210 Thursdays at 8:00PM in Sacramento. Hosted by WB2ZEI Armond. Covers central California and Reno via UHF/VHF Links

147.08 Sundays at 7:00PM Inland Empire Swap Net. Hosted by Art W7COZ Spokane, WA

FONTANA, CA

A.B. Miller High School Every 2nd Saturday of the month. Gates open at 7:30AM

LIVERMORE, CA

First Sun of the month. Las Positas exit off 580.

Largest in the San Francisco Bay Area Open to buyers and sellers at 7:00AM **LOS ALTOS, CA** (Foothill Swap Meet) March through October only. The second Sat every month at Foothill College in Los Altos Hills, CA Exit El Monte off 280 South of San Francisco

POMONA, CA

Cal-Poly Swap Meet (ex: DeVry) is every 3rd Saturday of the Month in parking lots 8 & 9 off Kellogg Drive

LAS VEGAS, NV

Local swap meet in Las Vegas, NV First Saturday of the month at the AES parking lot. It is a very small meet, no fees for either buyers or sellers, runs all year, and is from daylight (about 6:30 or so). Usually completed by 11 AM.

ROHNERT PARK (Sonoma County), CA

Second Sunday of each month, there will be an un-sponsored parking lot swap meet at HSC Electronics. The address is 5681 Redwood Dr. Time is from 9AM to 2PM. Bring your own tables/power. Restroom & soft drink machine in HSC store. Contact store Mgr. 707-585-7344 for directions. Please keep parking lot clean so we can continue to use the lot. Thank you.

TRW Swap Meet, LA Area Last Saturday of the month.

If you know of any local swap meets, be sure to send information to:

dcory@inreach.com

de N6KI, Dennis

Web Links

Internet Linked Repeaters
<http://ac6v.com/repeaters.htm>

ILINK -- Newest Rage
<http://www.aacnet.net/>

Transmitter Range
<http://www.artscipub.com/simpleton/simp.range.html>

53rd Annual International DX Convention April 26-28, 2002 Visalia, CA
<http://www.qsl.net/visalia2002/>

Fluidmotion Antennas -- Remote Adjustable Yagi
<http://www.fluidmotion.ws/index.htm>

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Force 12- 9 Foot Vertical - Interesting <http://force12inc.com/>

The Dreaded CC&R's New Help 4 U
<http://ac6v.com/newsletters.htm>

GAP Super C Antenna - Interesting
<http://www.gapantenna.com/>

Stealth Antennas
<http://www.ac6v.com/>

AC6V Mega Ham Index:
<http://ac6v.com>

AC6V Book For Dxers:
<http://ac6v.com/dxsample.htm>

In San Diego County, a great operating aid is the full color maps made by Randy Buxton KF6ZPN of The Ramona Outback Amateur Radio Society for 2M, 220 MHz, 440 MHz -- just print them out in full color or B&W and place in the glove compartment or as a desk accessory.
<http://roars.net/repeaters.htm>

Jet Propulsion Laboratory Amateur Radio Club
<http://rptrlist.w6jpl.ampr.org/Main.htm>

73 From AC6V, Rod In Oceanside, CA

Editor's Column

scope@palomararc.org

I wish to thank all of the people who have submitted articles this month. If you didn't see yours, please be patient. I have it and will need it for future publications. It is a very demanding job to fill all of this space and make it interesting as well. If it bleeds over to the next page, then the process of filling a page starts all over. In any case, **don't stop sending!** Many have asked if they could see this or that

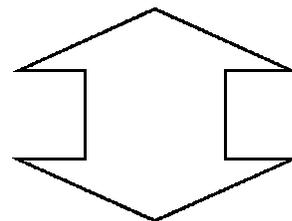
PARC NETS (3/02)

Tue/Thu/Sat	2000	146.730	NTS Traffic Net (SDCTN)
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
Nightly	>2200	147.130	Facetious Group
Saturday	2000	52.680	6Mtr ARES Net
Saturday	2015	147.130	ARES Staff Net

in the Scope, and to answer it frankly — **why not?!** Just send any suggestions or particular needs to me and I will consider them. However, I do not have the time to be a newsmen as well as your editor. So don't be surprised if you antiques are called upon to write articles for your compatriots in the hobby.

Articles in equipment and personal experiences could be very useful to those who haven't had the pleasure of experiencing for themselves as of yet. Myself, I have a full uplink/downlink satellite station and enjoy showing its operation. That new Fluidmotion antenna I put up is a thing to see. Not interesting to everybody, but some would be motivated to venture into satellite operations themselves or like to see what technology is new, just by seeing what others are doing. KC6UQH, Art, is a guru in microwave communications and always like to be helpful. Join him on the net on Monday nights. Engineers, students, mechanics, retired folk, we have them all. Let us know at your PARC meetings or a board meeting and we will look into your needs.

See, I rambled on and still didn't fill this space.



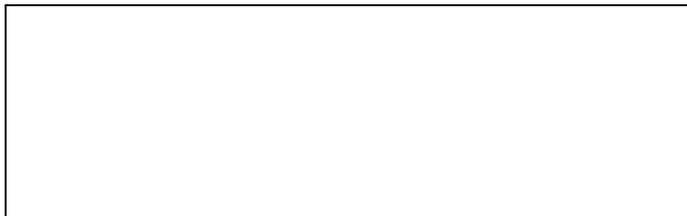
Force 12 Aluminum Flag Poles & Antennas <http://force12inc.com/>

New Ten-Tec Transceiver - The Orion
<http://www.tentec.com/TT565.htm>

**73's and God Bless, NA6RS,
Ron NA6RS@amsat.org**

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Scope (USPS #076530) Vol. XXVIII No. 4, Apr. 2002, published monthly by PARC, 1651 Mesa Verde Dr., Vista, CA, 92084. Periodicals postage pd. at Vista, CA 92085.

Dues \$12/yr or \$21/family/yr (includes newsletter subscription)

Editor: Ron Surfield NA6RS, 2605 Emerald Pl., Escondido CA 92027

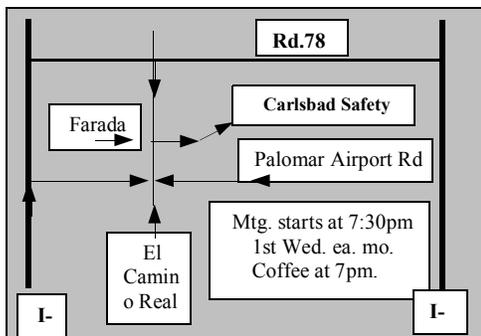
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Palomar Amateur Radio Club

May 2002



PARC Web Page

<http://www.palomararc.org>

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***52.680**- W6NWG, -0.5 MHz

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***147.130**+, ***447.000**-

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2441.25wbfm

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***447.05**- & ***145.26**- KK6KD (HARS)

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***224.90**- WD6HFR (Convair/220 ARC);

446.14- WB6FMT(123.0)Vista;

* = 107.2 Hz. PL Tone

President's Message

See all those lovely May flowers? Thank all those April showers we had! Mostly tumbleweeds you say? Harrumph.....!

Most importantly for hams, May means "Dayton Hamvention" time and expect to see a bunch of us there. World's largest ham candy store, and almost a "religious pilgrimage" for many hams worldwide! See you there?

The month offers a peaceful time to reflect on many "thoughts while shaving"!

And so, here are some **ruminations from the Hamshack.**

New Voices: Heard lots of new call signs on the repeater over the past few months. It is always a pleasure to hear those new calls, whether from a newly licensed operator, or a visitor to the area. Please welcome them to the repeaters!

Repeater practices: I notice many conversations on how best to impart "repeater etiquette". So many of us take for granted the skills we've accumulated over many years of hamming, we forget **how we learned.** Here are two steps I think work.

First. Be an Elmer! Remember that good friend who taught you the ropes? We all need to practice that skill frequently. Join the fun, and **Elmer a new ham!**

Second. Remember one of the most valuable publications available from the ARRL, the tried and true "**ARRL Operating Manual**". The continuous updating of the manual keeps it as current today as when it was first published many years ago. We all can derive some refreshing benefit from reading the manual again, and it is a wonderful source of good operating practice referral for the many new hams we are hearing on the repeaters.

ARRL Southwestern Convention. Are you planning on attending the Southwest ARRL convention in Escondido? PARC will be delighted to sponsor a table, but we do need a volunteer to coordinate the activity. Besides, additional volunteers are needed to help organize the convention, in support of the local ham community organizing the event. Let us know

your interests. You may find additional info at the ARRL web site, with the following link: <http://www.hamcon.net/sd2002/index.html>

It will be a great chance to go out and have some fun with many, many Southwestern ham radio operators. How often do we get a big event in our own backyard? So put it on your calendar and plan on attending.

Nets, nets, net! Several new nets are starting up on the repeaters. Have you listened in or participated? Three nets in particular are looking for your participation:

1) The PARC Board Of Directors Net meets every second Wednesday at 9:00 PM., on 146.730 MHz. It is a good chance to hear what PARC is planning, and a chance to communicate directly with your Board members concerning your interests.

2) The PARC FD Planning net meets every Wednesday at 8:00 PM (except on Club meeting nights) on 146.730 MHz. This is dedicated to organizing our FD event this year, and the net will last through the last weekend in June.

3) Young Hams net meets every Thursday at 7:30 PM on 147.075 MHz. Listen in and you will hear a wonderful group of young voices who are operating and learning the hobby. And, if you wait around 'till the end of the net, you will get a chance to sign in and offer your ideas about Ham radio. And you thought Elemering was complicated!!

See you at Field Day?

73 de NN3V

PARC Testing

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

Contact Rusty *AA6OM* at 760-747-5872 or at

DuneDancer@worldnet.att.net

Escondido - LAST Saturday at 9:00am, Chamber of Commerce, 720 N.Broadway, Esc 92025.

Contact Harry *W6YOO* 760-743-4212.

Register 5-7 days in advance for tests.

Web Pages

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

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

ARES Alert Publication
<http://www.qsl.net/sdgarrl/alert.htm>

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

KD6VHI, and KF6WTN expressed a desire to become control operators. AB6QT provided them with control codes and scheduled a control operator training session to be held April 17.

Club QSL Cards

KB6NMK circulated updated copies of draft artwork for a new club QSL card, and stated that she had received comments from only one Board member (KB5MU). Since NN3V had previously expressed an intention to make comments on the QSL card, approval was deferred for another month.

New Hams Support

KG6JMP discussed a document he had emailed to the Board, "Activities to Support

New HAM's and New PARC Members". He sees two groups: newly licensed hams, who may not have the benefit of a mentor, and new members of the Club, who may or may not already be experienced hams. The document provides many suggestions for helping members of each group.

Other ideas discussed included a welcoming gift for new members, a tour of ham shacks, and video productions on ham shacks and/or various topics.

Circulators

AB6QT stated that circulators for the repeater site had not yet been priced or ordered.

ATV System Status

AB6QT reported that apparently Bill Smith, KB6MCU, is no longer available to serve as technician for the amateur television (ATV) equipment at the repeater site. A new technician has not yet been designated.

Repeater Site Locks

AB6QT and KD6VHI recommended that the locks on the repeater site equipment buildings be changed.

P.A.R.C. Inc (2002 Board)

Pres: Charlie Ristorcelli 858.676.3307	NN3V NN3V@amsat.org
VP: Mark Raptis 760.749.4825	KF6WTN KF6WTN@amsat.org
Sec: Paul Williamson 858.571.8585 760.742-9924 Palomar Mt.	KB5MU KB5MU@amsat.org
Treas: Jo Ashley 760.741.2560	KB6NMK KB6NMK@amsat.org
Dir#1: Paul DeCicco 619-595.0500	NN6X NN6X@amsat.org
Dir#2: Jim Cooper 760-727-8446	NE6O NE6O@amsat.org
Repeater: Mike Pennington 760.749.0276	KD6VHI
MSh: Al Donlevy 760.630.3096	W6GNI W6GNI@amsat.org
Technical: Mike Doyle 760.742.1573	AB6QT AB6QT@amsat.org

Repeater Status 12.16.01

146.730+	: Normal
147.075-	: Normal
147.130-	: Normal
447.000-	: Normal
52.680	: Normal
146.700-	: Packet Repeater Normal
145.050	: Packet Digi Normal
PALBBS	: Bulletin Board Normal
AutoPatch	: Normal
ATV	: Operational

Motion by KB6NMK to allocate up to \$120 to purchase new locks for the repeater site. **Seconded** by KD6VHI. Motion **passed** unanimously.

Summer Work Parties

AB6QT stated that the focus for repeater site work parties this summer would be on cleaning out the site trailer with the objective of removing it from the site. The trailer is decrepit and will be destroyed and discarded.

Board Minutes

Repeater Site Responsibility Delegation

AB6QT stated that the committee had made "no progress" in looking for candidates for the roles of Club Assets Chairman, Communications Trailer Custodian, Real Property Manager, and Manpower Chairman.

Control Operators

Board members KB6NMK, NE6O,

Club Meeting Program

KF6WTN stated that the program for the May meeting would be presented by Tuck Miller, NZ6T, new Vice Director for the ARRL Southwestern Division, on the ARRL.

447 Repeater Problems

KC6UQH, KF6WTN, and AB6QT described what's known about current problems on the 447 MHz repeater. AB6QT is investigating but does not yet have enough information to understand the problem.

Membership Report

W6GNI reported that the club has 515 members.

Next Board Meeting

The May Board meeting will again be held at the home of KF6WTN, on Wednesday May 8, 2002, at 7:00 PM.

Adjournment

The meeting was adjourned at 9:10 PM.
Respectfully Submitted,

Paul Williamson, KB5MU

Secretary

Last Month's Fold & Staple Crew

KC6WAN	Ralph	W6GNI	Al
K6ML	Jim P	KB6AEW	Anita
KB6NMK	Jo	KB6YHZ	Art
N6UZH	Terry		
MY2KD	+2		
WA5ACE	Sonny		

PARC Pre-Meeting Meeting

All PARC members, and any hams planning to attend the PARC meeting, are invited to congregate early in the Carlsbad area and enjoy dinner with the many meeting attendees who relax and enjoy socializing before the PARC meeting. Listen to the 146.730 MHz repeater starting around 5:00 PM, and you will hear members driving to various restaurants for dinner, and an "eye ball" with fellow hams. A GREAT WAY TO ENJOY THE HOBBY! See you there.

Goodie Givers March Meeting

KG6IJJ Preston
KE6ZLY Paden

Treasurer \$\$, \$\$\$

Jo Ashley KB6NMK@amsat.org

ASSETS

Cash and Bank Accounts	
876-1216457-6	\$2,529.07
876-1216625-9	2,682.46
876-1216778-6	2,656.03
876-1391556-4	3,214.09
Ckg 0682 010566	4,699.05
Post Office	<u>103.17</u>
TOTAL ASSETS	\$15,883.87

LIABILITIES & EQUITY

LIABILITIES	
Pre-paid dues	
Prop. Insurance	600.00
TOTAL LIABILITES	9,544.00
EQUITY	6,339.87

TOTAL LIABILITIES & EQUITY

\$15,883.87

Ham Radio Classes in North County

Time: Saturday mornings, 7:00 AM to 9:00 AM.

Date: April 27, through June, 29th, excluding Memorial Day weekend.

Location: The Church of Jesus Christ of Latter-day Saints.

Address: 1250 Borden Rd, San Marcos (west end of El Notre Pkwy).
Point of contact: Steve Early, (619) 461-2818 or ad6vi@amsat.org

Test: Testing will be coordinated with WA6YOO, and is expected to be June 29th.

Cost: Free! A \$3 donation, per student, for cost of handouts would be appreciated.

Conditions: Good Amateur practice/behavior is expected. Please ask potential students to RSVP, so that I may provide sufficient handouts. If you have any questions, please contact me at your convenience. Steve Early AD6VI (619) 461-2818

DX Convention

On behalf of the Willamette Valley DX Club, I'd like to invite you and all members of the Palomar Amateur Radio Club to the Northwest's premier DX Convention which will be held August 2 - 4, 2002, near Portland, Oregon. Following are the details that we have confirmed so far.

Dates: August 2 - 4, 2002
Place: Monarch Hotel, 12566 SE 93rd Ave., Clackamas, OR 97015
(800) 492-8700

Online reservations can be made at <http://monarchhotel.citysearch.com>
Make your reservation early as the

Committee Chairmen

AREInfo.	-Dennis S	K7DCG@amsat.org
Attendance	-Al	W6GNI@amsat.org
ATV	-Bill S	KB6MCU W6GIC@amsat.org
Auction	-Jim C.	NE6O@amsat.org
Badges new	-Al	W6GNI@amsat.org
Batteries	-David	KD6EBY DAT@Gerry.Palomar.caltech.edu
BBS Monitor	-Bill B	N6FMK@amsat.org
Billing: Ads/etc	-Lyell K	K6GVM@arrl.net
By-laws	-Paul	NN6X@amsat.org
&	-Ron	RWA9JCL r3mb@concentric.net
Contest Info	-Dennis V	N6KI@amsat.org
ControlOps.	-filled	W6NWX@amsat.org
D.Mar Fair-		
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	W6YOO@amsat.org
DennisV	-N6KI	N6KI@amsat.org
Field Day	-Charlie R	NN3V@ARRL.net
FDTech.	-John K	WB6IQS@Juno.com
Historian	-	
Interference	-Bill S	KB6MCU W6GIC@amsat.org
Inventory	-Dennis B	KD6TUI@juno.com
MtgGoodies	-Jim E	W6SST@juno.com
Membership	-Al W6GNI	aldonlevy@juno.com
Nets	-	
Newsletter	-	
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-	
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-Paul D	NN6X@amsat.org
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-Charlie R	NN3V@ARRL.net
Publicity	-Fred S	K6ISS@amsat.org
QSL Cards	-Merle R	KR6BT@Juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag	-	W6HCD NashWilliams@Compuserve.com
Rptr Site	-	
Rptr Skeds	-	
SANDARC	-	
SellerTable	-John K	WB6IQS@Juno.com
AstSWDvDir	-Walt	WA6ODQ@arrl.net
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M,	DuneDancer@worldnet.att.net
Training	-	W6NWX@amsat.org
TrusteeW6NWX-Mike D		AB6QT@amsat.org
Web Site	-	

(Net Managers) (see pg.12)

ARES Sun	-	
Staff Net	-David D	KC6YSO@amsat.org
ARES 6m	-David D	KC6YSO@amsat.org
Ham Help	-David D	KC6YSO@amsat.org
Hiking	-Ed	KF6DXX@Juno.com
	-Glenn P	KE6ZLY@Juno.com
MARA	-Cathy	KE6IQU W6NWX@amsat.org
Microwave	-Kerry B	@qualcomm.com
Off Road	-Jerry A	jwak6pfp@cts.com
	-Dick W	KA7AYT rwilimek@home.com
Sailors	-	
Traffic(SDCTN)-Charles	N6TEP	cmiele@juno.com

Questions about club policy or for information can be addressed to **W6NWX@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

DX Convention rate is only available until July 12th.

Friday night, we open up registration, and there will be a Hospitality Suite. On Saturday, we have a full day planned! Don't know the order yet, but here are some of the presentations: Be among the first to hear about WRTC-2002 from Ward, N0AX. Discover the latest happenings at the ARRL. Learn about sloping antennas for 160 meters from Rudy, N6LF. Listen spellbound to Lew, W7EW, as he talks about the trip to VP8GEO and VP8THU. Of course, there will be dinner, a dinner speaker, and a Hospitality Suite.

The convention wraps up Sunday morning after breakfast and the final presentation.

As always, there will be PRIZES throughout the convention.

Full details and a registration form will be on our website (<http://www.wvdx.org/convention.htm>) shortly. Any questions can be addressed either to me or to the Convention Chairman, Al Rovner, K7AR, k7ar@arrl.net or (360) 256-7437.

CONTESTS

May 4: MA, CT, NV, OR, IN QSO parties

May 4: Italian DX Contest, All Modes

May 4: Volta (Italy) RTTY Contest

May 11: Russian DX Contest, CW & SSB

May 18: Lithuanian DX Contest

May 25: CQ WW WPX Contest, CW

Jun 1: All SA DX Contest, CW

Jun 8: Portugal Day Contest, SSB

Jun 8: ARRL VHF QSO Party

Jun 9: WV QSO Party

A real contester's buffet, something for everyone. State QSO parties to help you with WAS. Contests for prefix and DXCC chasers. Rules are to be found in QST, CQ, NCJ, and World radio magazines as well as numerous websites. CU in the Contest. 73,

Harry, W6YOO

Club Membership

More New Members Joining PARC:

**W6JFD, KF6WTO,
KG6JJI, KG6JLD,
AE6AN, N6SD, KF6SXZ,
KG6JZZ**

When you hear these calls on a repeater, be sure to greet our new members.

DON'T FORGET TO CHECK YOUR LABEL EACH MONTH

Notice your club expiration date (Month and Year) and sometimes other information.

As you know, the SCOPE is printed and mailed a full week before the monthly meeting, and we have to know how many to print, and have the mailing labels printed. Timely renewals insure that no one is overlooked in the mailing.

A great way to insure not missing anything is to renew for more than one year at a time. Let's face it, a dollar a month is a very modest amount for membership. We now have seven members that have renewed for five or more years in advance. Thank you, Thank you. 73

Al, W6GNI

40 METER NET

Hey you new hams and old timers:

Yes, you can just sit there and talk to your chumps on 75m, or ... How about getting on 7.246 at 9 p.m. M-S and chat about this and that. Let's help these new guys get going on h.f. We can talk about all sorts of lies, who caught the longest fish, who had the best contact who had the most points for a contest and who can do the best cw. Lets meet there, **7.246 9 p.m. 73**

WBØYCQ - BERAND

Maritime Net

The Baja Net the Maritime Mobile Net which meets 7 days a week at 8:00 am Pacific Daylight savings time has moved from 7.238 to 7.262 plus or minus qrm due to qrm on 238. Please make a note of it

Brain Teaser

Last Months teaser: Turn on one switch for 1 minute and then off. Then turn on second switch. Go to other room. One light will be on, one will be off, and one will be warn to the touch.

New: This is an unusual paragraph. I'm curious how quickly you can find out what is so unusual about it. It looks so plain you would think nothing was wrong with it. In fact, nothing is wrong with it! It is unusual though. Study it, and think about it, but you still may not find anything odd. But if you work at it a bit, you might find out. Try to do so without any coaching!

Jeff N6FRW

Grace N6WPA

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For Sale

(4.17) **ADI-Pryme PR-222** 5-watt HT for 220MHz. With rapid charger, box, and manual. Use this tiny HT throughout California on the Condor system. Asking \$165. Dave KF6XA 909-677-2446 or kf6xa@qsl.net

(3.18) **KENWOOD TS 530S** Transceiver, 160 thur. 10 meters, manuals and mike. In good condition. \$450 Bob K3DLC 858 278 4864 or hurwi7@aol.com

(3.18) **2 METER MOBILE HTX 212** \$115.00. Very clean, never used as Mobile. Power Supply, **ASTRON RS 35A**. \$90.00. Very clean. Get both for \$175.00 Ed w6abe@amsat.org or 760-757-4050

(3.18) W6NFB Estate Sale, **Kenwood TS 450 AT, Astron RS 35A Power Supply. Mic. and Dummy Load.** \$500, **ALFA 78A KW** + Amplifier. \$500 Universal Aluminum Free Standing **40 foot Tower** with Rotor, Beam, Vertical and Coax. \$275, **Drake SPR-4** Communications Receiver \$25, (needs work) Contact: Wayne in Vista 760 - 724 - 0777

(2.18) **KLM 34A Antenna**, 2 yrs. Since complete rebuild, replaced with newer model \$150, **17 mtr. Beam**, \$75, **Mosley PRO 57**, 5 band beam, \$100, Estate sale for N6SMB, **Yaesu 150w Tuner**, \$50, **2m BRICK**, fm 50w, \$50, **Hallicrafters S120** receiver, needs work, \$25, **KDK FM 2015R** mobile, \$50, **HEATH RF Sig. Gen.**, \$25, **300W Dummy Load**, \$20

***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

Ron , na6rs@amsat.org or 760-822-5170

(2.18) **ICOM IC 271A** 2 Meters All mode transceiver w\built-in Icom P.S. and pre-amp. \$300 **ICOM IC 471A** 400 MHz. All mode w\built-in P.S., one owner \$300, **TE POWER AMP** model 1412G 0-30 IN, 160w. Out. W\pre-amp. \$150 3 CDR Rotors, light and heavy duty, make offer. Bayard K6GAO 858-755-5507 or e-mail rehkopf@mail.sdsu.edu.

(12.11)**CW KEYER MFJ-401D** less than year old includes pwr adapter & manual \$35: Bernie N6FN 760-781-5522Wk, 760-746-7411Hm.

(12.11) Calrad SR-16 SWR bridge \$10: Ruth 760-727-3178 Vista.

(11.20)**Ten-Tec HF Corsair** 80-10m w/ pwr sup \$300; **Kantronics KAM** + cables, Hostmaster II + Pactor \$100; **Yaesu FT227R** 2m Memorizer \$30; **Icom IC25H** \$30; **Isopole** ant \$10; **G5RV** full size 80-10m new \$30; **HP Deskjet 660C** printer \$40: Max KB7RNP maxkb7rnp@aol.com

909-696-8495.

(11.19)**10m 4el beam** SS hardware asking \$75; **13el 2m beam** SS hardware \$30: Bayard K6GAO 619-594-6063 days or 858-755-5507 nights.

(4.6) **ICOM 1271A**, 1.2Ghz w/ATV and AG-preamp. \$1000.00, **ICOM 471A** 420-450Mhz, \$350.00 Steve at KO6ET@Juno.com

WANTED:

(01.19) Wanted: Kenwood TS 530, good condition only. Contact: Orly at orly42320@aol.com

(10.22)Need diagram of Tempo-1: Fred Brown fwb@cts.com Palomar Mt.

(8.26) Wanted Heathkit Apache transmitter and Heathkit Mohawk receiver: Hugh K4ESQ via W9FQN@Juno.com

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Tom KM6K
Ron
N6OMW

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numerous to

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Find out about Pkt location determining equipment (APRS).
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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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Model BA-8 (for RG-8, RG-213, 9913 and similar cables up to 1/2" diameter. \$15.00 + tax + \$6 S&H/order

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<http://www.advancedspecialties.net/new.htm>

SSB TUNING PULSER at URL:

<http://www.angelfire.com/nb/ni4l/>

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PARC NETS

Sunday	0830	146.730	ARES
Sunday	1000	146.730	Sailor's Net
Sunday	2045	147.075	MARA Emergency Services
Monday	915	146.730	RACES Sub-Net
Monday	2100	146.730	Microwave Net
Tuesday	2100	146.730	Off-Road Net
Wednesday	2000	146.730	Field Day Planning
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
Saturday	2015	147.130	ARES Staff Net
Tue/Thu/Sat Nightly	2000 >2200	146.730 147.130	NTS Traffic Net (SDCTN) Facetious Group

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Emergency Numbers

San Diego CHP has changed their phone number. The new number is 858-637-3800.

The old number of 858.467.3300 will roll over to the new number for a while.

Please note the new number to your emergency number files.

Letter from the ... Editor

It's my turn already! It seems that I just finished last months letter when I have to start on this one. Boy does time fly

when you are having fun. Ha Ha That's a good joke. Anyway, I'm sitting here in Vero Beach, Fl. with my trusty laptop pounding away at the keys and trying to keep the mouse on the arm of the couch as I edit the 20 or so emails that are sent each month — it just takes commitment.

I hope that you enjoy the articles that some of our members send for YOUR newsletter. It is encouraging to me to see and hear from the talented people we have in our club. I am sure that the resources we have for ham radio are the most varied and complete for any club in the nation. Let's make them show their stuff. I know that those who are capable are more than willing to share their expertise. If you would like to see articles on individual topics, let our board know. They need and want your input. That is how a club works.

Field day is coming, work parties are always needed, goodie providers, meeting helpers, special events (Del Mar Fair) — the list is endless. Let's let the community know who we are with a positive statement and enjoy the hobby while we are doing it.

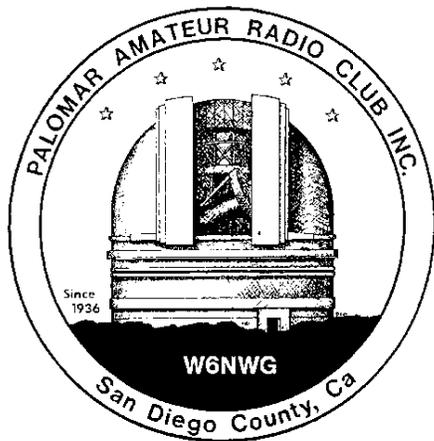
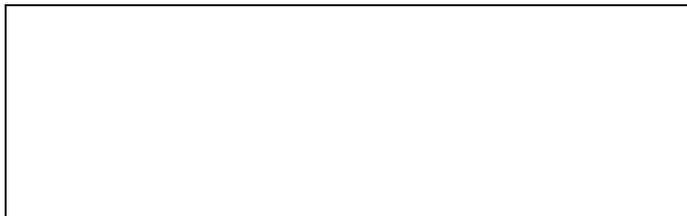
Many thanks to our members who devote their time and efforts to do just that — service. I hear many positive comments that our members and are club are receiving. Believe me, I now know what commitment really is.

73's and God Bless

NA6RS Ron

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Scope

Palomar Amateur Radio Club Inc.

*also ATV &
4 Autopatches*

Scope (USPS #076530) Vol. XXVIII No. 4, Apr. 2002, published monthly by PARC, 1651 Mesa Verde Dr., Vista, CA, 92084. *Periodicals postage pd. at Vista, CA 92085.*
Dues \$12/yr or \$21/family/yr (includes newsletter subscription)

Editor: Ron Surfield NA6RS, 2605 Emerald Pl., Escondido CA 92027

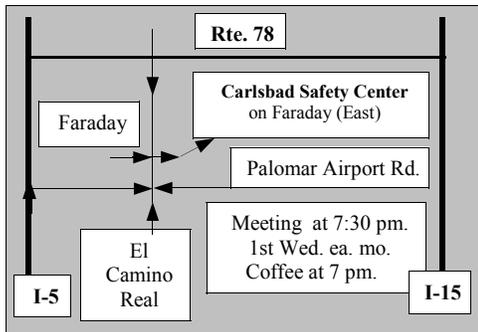
Scope address for newsletter: scope@palomararc.org

Send \$12 Dues To:
PARC, Box 73
Vista CA 92085-



Palomar Amateur Radio Club

June 2002



President's Message

Been on the bands lately? When was the last time you enjoyed a good QSO just for the fun of it?

Hobby: According to Webster's New Collegiate Dictionary, a hobby is "something enjoyable done during spare time".

Whether in the car commuting on I-15 (I'd have higher blood pressure than I already have were it not for some of the tomfoolery on the repeaters), on my many business trips (a great way to find that perfect restaurant, or special brew), or simply enjoying a nice CW QSO in the shack, I find ham radio to be one "hobby" that can be enjoyed anywhere, at any time.

So let me spend a few paragraphs talking about this month's principal ham radio event, with the hobby in mind.

This year, PARC is planning a Field Day dedicated to offering some 48 hours of plain old ham radio fun to all PARC members and any of the public who visit our site.

By now you all know that our FD site is Lincoln Middle School in Vista, and

June Meeting

This month's speaker will be KG6JZZ, John Dill who will speak to us about a wireless communications protocol called Bluetooth. The primary use of Blue Tooth is to allow PC's to access other PC's and peripherals. The treatments of the spread spectrum transceivers will be of particular interest.

you probably have heard many of the enthusiasts talking about the varied things planned. If you've never participated in a FD, or haven't been on the HF bands lately, or ever, or are just starting to enjoy that brand new handy talkie, I assure you **this FD is for you.**

Set-up will start on Friday evening, June 21st. around 4:00 PM. Towers, beams, long-wires, inverted Vs, generators, you name it and we will be "fumbling around" trying to get ready for the start of FD at 11:00 AM on Saturday 22nd.

While some of us will stay overnight at the site, the real fun will start on Saturday morning when we tune-up antennas and get ready to operate as a 3A club station. But there is a lot more going on.

PARC will operate a new ARRL feature of FD, the Get On The Air (GOTA) station, designed to give everyone a "chance to GOTA". In our case, the volunteers planning the GOTA station are going to emphasize the practical aspects of ham radio. From manufacturing dipoles and inverted Vs, to fiddling with beams and quads and J-poles, if you've never gotten your hands "dirty" in the hobby, **PARC GOTA FD station is the place to learn.**

Saturday afternoon from 3:00 – 6:00 P.M., there will be a VHF/UHF

PARC Repeaters

Palomar Mt. Repeaters (W6NWX)

PARC Trustee: AB6QT

*52.680- W6NWX, -0.5 MHz.

2 Meter with 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

ATV Intercom:

146.415 PL 79.7 nbfm

Affiliated:

*224.38- & *224.94 KK6KD
(HARS)

*447.05- & *145.26 KK6KD
(HARS)

*146.175+ N6FQ (Fallbrook ARC)

linked to *445.600 MHz (-)

*224.90- WD6HFR (Convair/220
ARC);

446.14- WB6FMT(123.0)Vista;

* = 107.2 Hz. PL Tone

"testing station" set up where you can measure all features of your handy talkie, mobile, or base VHF/UHF rig, including antenna resonance, FM deviation, and DTMF touch tone quality. So, if you've always wondered how that rig really stands up, be there or be square. The testing station will also operate on Sunday 8:00 – 11:00 A.M.

(continued)

PARC Testing

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

Contact Rusty **AA6OM** at 760-747-5872 or at dunedancer@cox.net

Escondido - LAST Saturday at 9:00am, Chamber of Commerce, 720 N. Broadway, Esc 92025.

Contact Harry **W6YOO** 760-743-4212.

Register 5-7 days in advance for tests.

Saturday afternoon 4:30 – 7:00 P.M., PARC will host the annual FD picnic for all PARC members and guests. While the world famous **PARC FD Road Kill Café** dishes out the main ingredients of a fantastic cook-out, (hamburgers, hot dogs, colas, etc.) we ask you bring a pot-luck to share with the picnic attendees.

For the hearty (some may say fool-hearty), Saturday night at midnight will once again see the famous **"Midnight Chili Cook Off"** featuring the famous "chili that won both first prizes" at last year's PARC picnic. Think you can beat that Chili? Well, if the judges choose your chili over the official chili to beat (this will be a double blind taste test!), you will win a very nice prize that has been donated for the cause of promoting

Web Pages

Palomar Amateur Radio Club Home Page -
<http://www.palomararc.org>

Rod's - AC6V "The everything page"
<http://www.ac6v.com>

ARES Alert Publication
<http://www.qsl.net/sdgarrl/alert.htm>

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

Sign up for PARC Membership on-line by visiting the PARC web page and clicking on the JOIN link, or sending email to membership@palomararc.net.

the **"I.O.O.K. Best Chili west of Dayton"** prize.

Finally on Sunday, we will wrap the FD event up at 11:00 A.M., and then take everything down and (sadly) put it away until next year.

To operate during FD, **you do not have to sign up for 24-hour duty!** KF6BFI (Ted) does ask that you contact him and volunteer for a 2 or 3 hour operating slot during the 24 hours. Choices are 20M/40M/80M SSB; 20M/40M, 160M CW and digital; 15M/40M SSB; 10M CW/SSB/QRP; 6M/VHF/UHF/Solar Powered/QRPP; and Satellite. Do you need any other mode?

The big crunch times are Friday 4:00 – 8:00 P.M., and Sunday 11:00 A.M. – 1:00 P.M. when we erect, and then take down, all the towers and antennas. **We need volunteer help to do so safely! No experience required other than a strong back, and a hearty will!**

Oh, did I mention that as a Club member, when you sign in at FD (you sign in for participating on Friday, Saturday, and Sunday) you earn 1 point (for a total of 3) towards the PARC Picnic Raffle? But you have to sign in and participate in any of the activities, even if it is just to help at the hospitality table by the Road Kill Café.

So, sound like fun? Does it sound like the hobby you always thought it should be?

See you at FD?

73 de NN3V

Brain Teaser

Last Month: There are no **e's** in the article.

NEW: When Pvt. Nimrod got his furlough, he decided to go hunting. It took a while to find a good place

P.A.R.C. Inc (2002 Board)

Pres: Charlie Ristorcelli 858.676.3307	NN3V NN3V@amsat.org
VP: Mark Raptis 760.749.4825	KF6WTN KF6WTN@amsat.org
Sec: Paul Williamson 858.571.8585 760.742-9924 Palomar Mt.	KB5MU KB5MU@amsat.org
Treas: Jo Ashley 760.741.2560	KB6NMK KB6NMK@amsat.org
Dir#1: Paul DeCicco 619-595.0500	NN6X NN6X@amsat.org
Dir#2: Jim Cooper 760-727-8446	NE6O NE6O@amsat.org
Repeater Site: Mike Pennington 760.749-8888	KD6VHI KD6VHI@amsat.org
Membership: Al Donlevy 760.630.3096	W6GNI W6GNI@amsat.org
New Members: Mike McMahan 760.207.9544	KG6JMP KG6JMP@amsat.org
Repeater Technical: Mike Doyle 760.742.1573	AB6QT AB6QT@amsat.org

Repeater Status 5.23.02

146.730-	: Normal
147.075+	: Normal
147.130+	: Normal
447.000-	: Normal
52.680-	: Normal
146.700-	: Normal Packet Repeater
145.050	: Normal Packet Digital
PALBBS	: Bulletin Board Normal
AutoPatch	: Normal
ATV	: Normal

to set up camp. But within the hour, he was out hunting. Leaving camp, he walked 10 miles due South, then not seeing any bears, he walked 10 miles due West. There he shot a bear. Then he proceeded (don't ask how) to get the dead bear back to camp, a distance of exactly 10 miles.

Now — What color was the bear?

Last Month's Fold & Staple Crew

KB6AEW	Anita	W6GNI	Al
K6ML	Jim P	KG6AEW	Bill
KB6NMK	Jo	KB6YHZ	Art
N6UZH	Terri		

Goodie Givers March Meeting

KG6IJ Preston
KE6ZLY Paden

Treasurer \$\$, \$\$\$

Jo Ashley KB6NMK@amsat.org

ASSETS

Cash and Bank Accounts	
CD	\$2,538.03
CD	\$2,692.19
CD	\$2,665.44
CD	\$3,227.44
Checking	\$4,605.00
Post Office	\$ 103.47
TOTAL ASSETS	\$15,831.57

LIABILITIES & EQUITY

LIABILITIES	
Pre-paid dues	\$ 9,420.00
Prop. Insurance	\$ 600.00
TOTAL LIABILITIES	\$10,020.00
EQUITY	\$ 5,811.57
TOTAL LIABILITIES & EQUITY	\$15,831.57

Repeater Report

(4/30) Removed forms from the cement pad for the Charging Hut. Dug a trench and ran 20' of conduit from the Block Building to the Charging Hut. Buried conduit and leveled ground around Charging Hut. Mounted sub-panel in Charging Hut. Hauled truck load of trash from the repeater site. Weather was cold and windy.

(5/11) Mike and Steve, KD6ZST pulled in wire for sub panel and connected to main panel. Placed circuit

PARC Pre-Meeting Meeting

All PARC members, and any hams planning to attend the PARC meeting, are invited to congregate early in the Carlsbad area and enjoy dinner with the many meeting attendees who relax and enjoy socializing before the PARC meeting. Listen to the 146.730 MHz repeater starting around 5:00 PM, and you will hear members driving to various restaurants for dinner, and an "eye ball" with fellow hams. A GREAT WAY TO ENJOY THE HOBBY! See you there.

breaker and reconnected wire for outlet in Tin building. Ran conduit and wiring for ac outlets in the Charging Hut. Hauled a truckload of trash from the site. Weather was perfect with no mosquitoes.

73 de Mike KD6VHI

(4/24) The 147.075 repeater has given intermittent service from time to time, and so I took a drastic measure and replaced the controller unit in its entirety. Only time will tell if this nailed the problem, but if it shows up again, I will now know a lot of things that the problem is NOT. Thanks to all of you who called me or emailed me to let me know that there was a problem. Please continue to do so as needed.

(4/29) The 147.130 repeater developed an intermittent somewhere in the interface between the system controller, and the Motorola backplane interface, and the problem is PL related in that the PL was not always getting into the system controller, but it was making its way to the Auto Patch electronics OK. Seemingly, removing some cards, cleaning contacts, and reinserting them has fixed the problem. Are not intermittent's fun? Thanks to all who let me know of the malfunction

5-15-02 Work party: AB6QT assisted by NZ6D (No Zebras 6 Donkeys) Formerly KC6VEC (non member) (hint), went to the site and

worked on the 147.130 repeater which has been very intermittent for a long time. This time, AB6QT found a bad ground on one of the Motorola boards which provides the interface for the controller. There was an eyelet which is used to solder wires to in order to make a mechanical connection, which was never soldered on the reverse side of the board, evidently since DAY ONE of the manufacture of the repeater. This eyelet is supposed to provide a ground for several of the circuits that interface the main controller with things like the Autopatch, and the rest of the transceiver. These circuits handle things like the COS signal (carrier operated squelch), and PL signals. We think the problem of intermittent operation is finally fixed. Any problems please contact AB6QT@amsat.org.

73 de Mike AB6QT

Club Membership

More New Members Joining PARC:

**KI7BX, KG6DRR,
KG6KTU, W6TVA,
WB6EGD, KG6JMQ,
K6WJH**

When you hear these calls on a repeater, be sure to greet our new members. In addition, several past members reinstated their membership.

Please help in the next couple of months with timely, or better, advanced renewals. Due to past practices, long ago, there are a large number of club members that renew in July, (93 members to be exact). Last year, as a result of my request, a good number of members renewed for more than one year at a time. This is great, and appreciated!

Committee Chairmen

ARESinfo.	-Dennis S	K7DCG@amsat.org
Attendance	-Al	W6GNI@amsat.org
ATV	-Bill S	KB6MCU W6GIC@amsat.org
Auction	-Jim C.	NE6O@amsat.org
Badges	-Al	W6GNI@amsat.org
Batteries	-David	KD6EBY DAT@Gerry.Palomar.caltech.edu
BBS Monitor	-Bill B	N6FMK@amsat.org
Billing: Ads/etc	-Lyell K	K6GVM@arrl.net
By-laws	-Paul	NN6X@amsat.org
&	-Ron	WA9JCL r3mb@concentric.net
Contest Info	-Dennis V	N6KI@amsat.org
ControlOps.	-filled	W6NWG@amsat.org
D.Mar Fair-		
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	W6YOO@amsat.org
DennisV	-N6KI	N6KI@amsat.org
Field Day	-Charlie R	NN3V@ARRL.net
FDTech.	-John K	WB6IQS@Juno.com
Historian	-	
Interference	-Bill S	KB6MCU W6GIC@amsat.org
Inventory	-Dennis B	KD6TJ@juno.com
MtgGoodies	-Jim E	W6SST@juno.com
Membership	-Al W6GNI	aldonlevy@juno.com
Nets	-	
Newsletter	-Ron S	NA6RS@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-	autopatch@palomararc.org
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-Paul D	NN6X@amsat.org
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-Mark R	KF6WTN@amsat.org
Publicity	-Fred S	K6ISS@amsat.org
QSL Cards	-Merle R	KR6BT@Juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag	-Nash W	W6HCD NashWilliams@Compuserve.com
Rptr Site	-Mike P	KD6VHI@amsat.org
Rptr Skeds	-	
SANDARC	-Sybil A	W6GIC@amsat.org
	-Skip C	
SellerTable	-John K	WB6IQS@Juno.com
AstSWDvDir	-Walt	WA6ODQ@arrl.net
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M,	DuneDancer@cox.net
Training	-	W6NWG@amsat.org
TrusteeW6NWG-Mike D		AB6QT@amsat.org
Web Site	-	

(Net Managers) (see pg.12)

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

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

As you know, the SCOPE is printed and mailed a full week before the monthly meeting, and we have to know how many to print, and have the mailing labels printed. Timely renewals insure that no one is overlooked in the mailing.

New members, and those that have **never** signed up for the autopatch, can visit the membership table at a club meeting and apply for a PIN and the patch information. This is obviously a "Members Only" privilege.

Also, at the membership table, any member can pick up a 3 ½ floppy disk (or a printed copy) of the membership roster for only 25 cents. The roster includes call, name, and phone number, no addresses!

DON'T FORGET TO CHECK YOUR LABEL EACH MONTH

Notice your club expiration date (Month and Year) and sometimes other information.

73 de Al W6GNI

PARC Shines

After reading about the Mt. Carmel High School Amateur Radio Club in last months Scope, I decided to visit the club on campus and see if I could help out. During my visit to the club on campus we decided to meet on the PARC's 146.73 repeater during the lunch hour club meeting on Friday April 26, 2002. I let a few other hams know about the club wanting to use the repeater and asked them to stand by to assist with a demonstration. Being a worrier by nature, I hoped that the demo would go well as we certainly need to attract more youthful members to our hobby.

Well I am happy to report that the demo was a fantastic success thanks to all the PARC members who helped. Stations all over the county reported in politely and professionally. The school club members, including Sam, AD6XS and Mike, KG6KTZ were thrilled with the contacts as was their teacher, John Earnest, KG6EQU. The club president came on to thank all the PARC members who helped with the

demo.

Personally, I couldn't have been happier with the way things went. Everyone offered advice to the club members, and one PARC member, Bill K6WKH, offered to loan, and has already delivered, a GPS unit for the club to use! Thanks Guys!!!

As a result of last month's article I was able to come up with a 2 meter, and 440 MHZ never used satellite beam antennas for the club. Now we just need an azimuth and elevation rotor to get them on the way to space station Alpha.

If you can help contact KB6GZ at piecon@mindspring.com or [KG6EQU at hilkiah@juno.com](mailto:KG6EQU@hilkiah@juno.com).

Thanks, 73 de Rick KB6GZ

KNOW YOUR VFO

Suppose you are a ham radio operator anxious to help with public service events. Now suppose that you have been assigned to become part of the communications backbone for a community bicycle ride. Suddenly, there is a fatality on the course and you are told to switch to another repeater. Part of the course is being closed and the next wave of bike riders must be rerouted NOW.

There is just one little problem: **You don't know how to switch frequencies.** No one gave you the alternate frequency ahead of time, so it wasn't pre-programmed, and you don't know how to use the VFO. This situation actually unfolded a few weeks ago at the Guacamole Grande bike ride in Fallbrook.

So, if you come to a public service event - and rest assured that your help will be Very Much appreciated - please program alternate frequencies into your equipment's memories ahead of time. Your event coordinator should provide these. But most important, know how to use the VFO. The inability

to change frequencies, PL tones and offsets "on the fly" is one of the biggest problems facing us at public service events today.

Thanks, 73 de Bob W6VR

FALLBROOK SCHOOL

AWARDED AMATEUR RADIO EDUCATION PROJECT GRANT

Fallbrook, CA. Students attending Iowa Street School/ Home Education Program in Fallbrook will soon be able to learn about the many facets of Amateur Radio (Ham Radio) as it is integrated into their school Curriculum. Computer/Music teacher Phil Leonelli (also an Amateur Radio Operator) applied for a grant developed by the American Radio Relay League (ARRL), the national organization representing hundreds of Amateur Radio Operators in the U.S. The Amateur Radio Education Project is an educational

Jeff N6FRW

Grace N6WPA

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program to enhance student learning through authentic application of mathematical and scientific concepts. The project emphasizes integration of math, science, writing and speaking, geography, technology, and social responsibility within a global society. The grant will equip the Iowa Street School site with \$200 of educational materials and a complete Amateur Radio station. The station will include an array of antennas and multi-band, multi-mode radios allowing students the capabilities of world wide wireless com-

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munication. The school will work in partnership with the Fallbrook Amateur Radio Club. Leonelli, an Extra Class Amateur Radio Operator and a teacher for the Fallbrook Elementary School District for the past 23 years, has always been interested in the integration of Amateur Radio in the curriculum. He was instrumental in one of the first school to Space Shuttle contacts in the west coast. The contact took place April 6, 1991. Students at Potter Jr. High School under the direction of Leonelli, WF6L, contacted astronaut Ken Cameron aboard the Spacecraft Atlantis (STS-37). The contact was coordinated by Shuttle Amateur Radio Experiment program (SAREX) affiliated with the ARRL.

ARRL NEWS

Iowa Street School/Home Education Program (K-8), part of the Fallbrook Elementary School District, has been selected as a Pilot School for the ARRL's "Big Project" now called Amateur Radio Education & Technology Program. The school is the only school to be selected in California. The ARRL has supplied Iowa Street School with a Yaesu 847 (HF+VHF+UHF ALL MODE TRANSCIEVER) with power supply, a Cushcraft R6000 vertical (6-20 Meters) and an A627013S Yagi (6, 2 and 450), 300 feet of coax with connector and \$200 of textbooks including the *ARRL Handbook*, *ARRL Antenna Book*, *ARRL Operating Manual*, *Radio Amateur's Satellite Handbook*, *Now You're Talking!*, *ARRL General Class License Manual*, *ARRL Extra Class License Manual*, *ARRL's FCC Rule Book*, *Understanding Basic Electronics*, *RFI Book*, *Morse Code: The Essential Language*, *Your Intro. to Morse Code (audio CD's)*, *NØAX's Radio Puzzler*, *ARRL Instructor's Manual*, *Transmitter Hunting*, *ARRL Map of the World (azimuthal)*, *ARRL Net Directory and Night Signals*.

Teacher, Phil Leonelli, WF6L, instructs students in the Technology

Lab at Iowa Street School. He also teaches piano and vocal music classes to grades K-8. Leonelli is member of the Palomar Amateur Radio Club as well as the Fallbrook Amateur Radio Club.

Workers Needed

From the committee formed by Art, KC6UQH, Paul WN6K, and myself, AB6QT, we are happy to report that some of the positions that there formed over the last several months have been filled. Mike Pennington KD6VHI Site Chairman; Dennis Baca D6TUJ Club Assets Chairman; Bill Bennet N6PIG Communications Trailer Chairman; and KQ6AM Paul Gerard Manpower Chairman. If you are interested in participating in a work party, please call the new Manpower Chairman and he will contact AB6QT to get you on the list. Both Mike P. (a.k.a Valley Mike), and Mike D. (a.k.a Mountain Mike) will be using people from the list that the Manpower Chairman keeps. Thanks in advance for your volunteer participation. de AB6QT@amsat.org

HELP! July 1-7

Help with the Del Mar Fair Ham Booth is needed.

Please contact Skip Cline (760-757-5424) at KD6RFQ@arrl.net if you would be interested in manning the Ham Booth at the Del Mar Fair. We have openings for people any time. The day is divided in to three shifts. 10-2, 2-6, 6-10. The dates are July 1st through the July 7th.

Bad News

Nevin Kitterer (Kit), W6AUF, was active on the SD County traffic net a few years ago and is listed as a member in my copy of the PARC roster. I first met him when he went to work for Western Radio back in the late 1950's. He managed the Amateur Radio department before Gary who now works for R.F. Parts took over Western's Amateur Radio Dept. I was in High School then and I worked for my Father after School, who built radio transmitters for yachts and fishing boats. Kit was the last survivor of the employees of Western Radio from that era. I had lost contact with him until he joined PARC and after that we exchanged e-mails for several years. He was always friendly, willing to help others, and a great asset to Amateur Radio. He will be missed by all of us who knew him.

Art McBride, KC6UQH

Field Day Planners



www.palomararc.org/fieldday.htm

PARC Minutes

Palomar Amateur Radio Club, Inc.
Board of Directors May 8, 2002.

The regular monthly meeting of the Board of Directors was called to order by KF6WTN at 7:17 PM on May 8, 2002, at the home of KF6WTN.

Present were:

Vice President Mark Raptis, KF6WTN
Treasurer Jo Ashley, KB6NMK
Secretary Paul Williamson, KB5MU

Director #1 Paul DeCicco, NN6X
 Director #2 Jim Cooper, NE6O
 Repeater Site Chairman Mike Pennington, KD6VHI
 Visitor/Club Assets Chairman Dennis Baca, KD6TUJ

Treasurer's Report

KB6NMK circulated copies of the Treasurer's Report. **Motion** by KB5MU to approve the Treasurer's Report. **Seconded** by NE6O. **Motion passed** unanimously. KB6NMK stated that she had asked NA6RS not to publish the account numbers from the Treasurer's Report in future issues of the Scope.

Secretary's Report:

KB5MU stated that the minutes of the April Board meeting were as published in the Scope. **Motion** by KB6NMK to approve the minutes as published. **Seconded** by KD6VHI. **Motion passed** unanimously.

Club Meeting Program:

KF6WTN stated that the program for the June meeting would be presented by John Dill, KG6JZZ, who will speak on Bluetooth, the high-speed short-haul wireless networking technology.

Repeater Site Report:

KD6VHI reported that conduits for a new AC power distribution subpanel were installed the previous Wednesday. Power work has been delayed by weather over the last several months. The problem with excessive ground currents will be addressed again if it is still evident after the power distribution work.

Club QSL Cards:

KB6NMK circulated several different versions of draft artwork for a new club QSL card. Board members generally preferred design #1 with drop shadow lettering and the club's web site URL moved to under the call-sign.

Pop-Up Trailer:

The club owns a pop-up trailer which is surplus to our needs. KF6WTN volunteered to inspect the trailer and propose a selling price. **Motion** by KB5MU that the club post the pop-up

trailer for sale at a price to be determined by KF6WTN. **Seconded** by KB6NMK. **Motion passed** unanimously.

Web Site Maintenance:

New club member Michelle Poirier, KF6WTO, has volunteered to help out with the web site, currently being handled by NN6X and KB5MU. The Board discussed ways of organizing the web site maintenance work and keeping it in sync with club news and policies. **Motion** by KB6NMK that the club ask NN6X to talk with KF6WTO and try to work out a suitable scheme. **Seconded** by KD6VHI. **Motion passed** unanimously. At this point, Mike Doyle, AB6QT, Repeater Technical Chairman, joined the meeting by teleconference.

Field Day Funding:

KF6WTN read an email note from NN3V requesting funds not to exceed \$400 for the club's Field Day event, to be allocated as follows: \$200 for the picnic, \$25 for advertising supplies, \$30 for equipment repairs, and \$145 in management reserve. NN3V has asked the logistics coordinators to obtain other items, including gasoline and oil for generators, as voluntary donations, but may need to use the management reserve to cover those expenses. **Motion** by KB5MU to allocate up to \$400 as described in the email from NN3V. **Seconded** by NE6O. **Motion passed** unanimously.

Field Day T-Shirts:

Harold Locke, KG6DVD, has designed a logo to be used on club Field Day t-shirts. KD6TUJ reported some vendor quotation figures. **Motion** by NE6O to allocate \$325 to be administered by NN3V to work with KG6DVD to obtain 50 shirts, before the next general meeting of the club. **Seconded** by NN6X. **Motion passed** unanimously.

Repeater Technical Report:

AB6QT had submitted a report by email, which was read by KF6WTN. Sporadic noises heard on the repeaters are suspected to be mixing products, and are being investigated. Several new locks for repeater buildings have been pur-

chased and installed. A training class for new control operators is still in the planning stages. The 147.075 MHz repeater has been off the air a lot recently, and so its entire controller has been swapped out. On the 147.130 MHz repeater, a card-edge connector problem is suspected of preventing the CTCSS tone from reaching the controller. The problem was eliminated for the moment by cleaning the contacts. Circulators have still not been priced. It was proposed that some information might be gathered at the Dayton Hamvention, including a price quote, lead time, and a point of contact. AB6QT agreed to deputize NN3V, KF6BFI, and KF6WTN to gather information in Dayton, and will send them an email with the specifications.

Repeater Site Responsibilities Delegation:

AB6QT reported that the following members had agreed to serve in the following newly created positions:

Club Assets Chairman: Dennis Baca, KD6TUJ

Communications Trailer Custodian: Bill Bennett, N6PIG

Manpower Chairman: Paul Gerard, KQ6AM (trial basis)

Real Property Chairman: (still open)

These positions are appointed by the Repeater Technical Chairman and do not require formal Board approval. **Motion** by KB5MU to thank AB6QT and his committee for their fine work and to approve the appointment of the above three members. **Seconded** by NE6O. **Motion passed** unanimously.

At this point, the teleconference with AB6QT was terminated.

Membership Report:

KB5MU read an email report from membership chairman W6GNI. The club has 504 members. The club has received a letter of thanks from the Gold Wing Road Riders Association for the use of the 147.075 MHz repeater on April 6th.

(Cont. Page 9)

Palomar Mountain Planning Organization:

For Sale

(5.20) **Sears Window Air Conditioner** like new - \$200, MAC Performa 6400/180, scanner, trackball NEC Monitor - \$450 Junk PC 133 MHz (works) No case, NEC Monitor, CD ROM Burner, SCSI Bus - Best Offer, Alinco DJ-S11 2M HT Like New - \$50/bo, FRS RADIOS (2) COBRAS -- Like New/Nice - \$50/bo Rod AC6V 760-945-6050 or ac6v@amsat.org

(4.17) **ADI-Pryme PR-222** 5-watt HT for 220MHz. With rapid charger, box, and manual. Use this tiny HT throughout California on the Condor system. Asking \$165. Dave KF6XA 909-677-2446 or kf6xa@qsl.net

(4.6) **ICOM 1271A**, 1.2Ghz w/ATV and AG-preamp. \$1000.00, **ICOM 471A** 420-450Mhz, \$350.00 Steve at KO6ET@Juno.com

(3.18) **KENWOOD TS 530S** Transceiver, 160 thur. 10 meters, manuals and mike. In good condition. \$450 Bob K3DLC 858 278 4864 or hurwi7@aol.com

(3.18) W6NFB Estate Sale, **Kenwood TS 450 AT**, **Astron RS 35A** Power Supply. **Mic. and Dummy Load**. \$500, **ALFA 78A KW** + Amplifier. \$500 Universal Aluminum Free Standing **40 foot Tower** with Rotor, Beam, Vertical and

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

Coax. \$275, **Drake SPR-4** Communications Receiver \$25, (needs work) Contact: Wayne in Vista 760 - 724 - 0777

(2.18) **KLM 34A Antenna**, 2 yrs. Since complete rebuild, replaced with newer model \$150, **17 mtr. Beam**, \$75, **Mosley PRO 57**, 5 band beam, \$100, Estate sale for N6SMB, **2m BRICK**, fm 50w, \$50, **Hallcrafters S120** receiver, needs work, \$25, **HEATH RF Sig. Gen.**, \$25, **300W Dummy Load**, \$20 Ron , na6rs@amsat.org or 760-822-5170

(2.18) **ICOM IC 271A** 2 Meters All mode transceiver w\built-in Icom P.S. and pre-amp. \$300 **ICOM IC 471A** 400 MHz. All mode w\built-in P.S., one owner \$300, **TE POWER AMP** model 1412G 0-30 IN, 160w. Out. W\pre-amp. \$150 3 CDR Rotors, light and heavy duty, make offer. Bayard K6GAO 858-755-5507 or e-mail rehkopf@mail.sdsu.edu.

(12.11) **CW KEYER MFJ-401D** less than year old includes pwr adapter & manual \$35: Bernie N6FN 760-781-5522Wk, 760-

746-7411Hm.

(12.11) **Calrad SR-16 SWR bridge** \$10: Ruth 760-727-3178 Vista.

(11.20) **Ten-Tec HF Corsair** 80-10m w/ pwr sup \$300; **Kantronics KAM** + cables, Hostmaster II + Pactor \$100; **Yaesu FT227R** 2m Memorizer \$30; **Icom IC25H** \$30; **Isopole** ant \$10; **G5RV** full size 80-10m new \$30; **HP Deskjet 660C** printer \$40: Max KB7RNP maxkb7rnp@aol.com 909-696-8495.

WANTED:

(5.22) **CRT for a 1956 RCA color TV** which I want to restore. Any 21 inch ROUND type crt from a set made from 1955 thru 1966 can be made to work. If you have an old junker that you want to get rid of from this vintage, please contact me at 760-742-1573 before 4 pm. De AB6QT

(01.19) **Kenwood TS 530**, good condition only. Contact: Orly at orly42320@aol.com

(10.22) Need **diagram of Tempo-1**: Fred Brown fwb@cts.com Palomar Mt.

(8.26) Wanted **Heathkit Apache** transmitter and Heathkit Mohawk receiver: Hugh K4ESQ via W9FQN@Juno.com

HAM
RADIO
OUTLET

H
R
O

Tom KM6K
Ron N6OMW
Jose XE2SJB
Bob KA6EKT

KENWOOD
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DIAMOND
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KANTRONICS
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MFJ, ICOM
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numerous to
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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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Box 462222, Escondido, CA 92046

TOROID CORES

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



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

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Tune your tuner without transmitting. Save that rig!
Just listen to the Tuner-Tuner's noise with your

See catalog at www.Palomar-Engineers.com

Please check our complete ads in **QST**, **73**, **CQ**, and **World Radio** magazines.

Contest Coral

- June 1 Telephone Area Code Contest
- June 1 WW South American CW
- June 8 Portugal Day Contest
- June 8 ARRL VHF QSO Party
- June 15 All Asia CW Contest
- June 15 SMIRK (6 M) QSO Party
- June 15 WV QSO Party
- June 22 ARRL Field Day
- July 1 RAC Canada Day
- July 1 Fourth of July QRP Sprint
- July 6 Venezuela SSB Contest
- July 13 IARU HF Championship
- July 13 CQ WW VHF Contest

Not many DX Contests this month; however, the West Virginia QSO Party affords the WAS seekers a chance to work several stations from this semi-rare state. Rules are published in Amateur Radio magazines such as QST, CQ, NCJ, and Worldradio. See you in the contest.

73, Harry, W6YOO

PARC NETS

Sunday	0830	146.730	ARES
Sunday	1000	146.730	Sailor's Net
Sunday	2045	147.075	MARA Emergency Services
Monday	915	146.730	RACES Sub-Net
Monday	2100	146.730	Microwave Net
Tuesday	2100	146.730	Off-Road Net
Wednesday	2000	146.730	Field Day Planning
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
Saturday	2015	147.130	ARES Staff Net
Tue/Thu/Sat	2000	146.730	NTS Traffic Net (SDCTN)
Nightly	>2200	147.130	Facetious Group

The PMPO is a community organization on Palomar Mountain. The club recently received a newsletter and request for donations from PMPO. KB6NMK reported that the club donated \$25 in 1998 and \$20 in 2001. **Motion** by KD6VHI that the club donate \$25 to PMPO. **Seconded** by KB6NMK. Motion **passed**, with three votes in favor, one vote opposed, and one abstaining.

Del Mar Fair:

Skip Cline, KD6RFQ, and Blackie Blackstock, KE6IQQ, are rounding up people to man the SANDARC amateur radio booth at the Del Mar Fair this year on behalf of the club. KB5MU volunteered to get the details and submit them for the June Scope.

ARRL Southwestern Division Convention:

NE6O volunteered to attend the next meeting of the ARRL Southwestern Division Convention planning group as a representative of the club.

Storage Facility:

KD6TUJ reported some progress on finding a location for a club storage facility, and is working on a proposal. One possibility might involve a swap of commercial repeater space on our Palomar Mountain site.

Next Board Meeting:

The May Board meeting will be held at the home of KB6NMK, on Wednesday June 12, 2002, at 7:00 PM.

Adjournment:

The meeting was adjourned at 9:07 PM.

Respectfully Submitted, Paul Williamson, KB5MU Secretary

Editor's Notes

Dayton was wet and cold, but I managed to spend my money just the same. And many thanks to Charlie and Ted for making me a member of that elite organization known only in professional circles as I.O.O.K.

In other news, **my 3 months is up**. As I have had a crash course on humility, I have decided to continue as your editor unless one of you feel the need to give up your precious time also. Jump right in; you won't hurt my feelings.

73's and God Bless, Ron NA6RS

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Scope

146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05

Palomar Amateur Radio Club Inc.

*also ATV &
4 Autopatches*

Scope (USPS #076530) Vol. XXVIII No. 6, Jun. 2002, published monthly by PARC, 1651 Mesa Verde Dr., Vista, CA, 92084. *Periodicals postage pd. at Vista, CA 92085.*

Dues \$12/yr or \$21/family/yr (*includes newsletter subscription*)

Editor: Ron Surfield NA6RS, 2605 Emerald Pl., Escondido CA 92027

Scope address for newsletter: scope@palomararc.org

Send \$12 Dues To:
PARC, Box 73
Vista CA 92085-0073



Palomar Amateur Radio Club

July 2002

July Meeting

Harry Hodges, W6YOO,
will speak on the Islands On
The Air (IOTA) program
and DXpeditions.

PARC Repeaters

Palomar Mt. Repeaters (W6NWG)

PARC Trustee: AB6QT

*52.680- W6NWG, -0.5 MHz.

Autopatches:

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

PKT:

145.050s (PALMAR/W6NWG-1)
146.700- (Duplex Pkt) PALBBS/
EMG use
145.070/146.7 - (W6NWG-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

Have you made plans to attend the **2002 ARRL Southwestern Division Convention?**

We seldom have the pleasure of getting "up close and personal" with the big picture of Ham Radio. In case you have not observed, the whole business of "special interests" in today's political framework is dominated by organization, and there are very few substantive organizations speaking out for our hobby! So participating in an ARRL organized and sponsored event such as the SW Convention is an important aspect of protecting our hobby from those who would deny us the opportunity.

Here are some basics about the convention. Dates: August 16th – 18th. Place: California Center For The Arts, Escondido. Flea Market / Hamfest: Saturday August 17th at the Holiday Inn, Escondido. Tables are first come, first served.

One of the many scheduled speakers is Riley Hollingsworth, K4ZDH, FCC Enforcement Bureau, Special Counsel for Amateur Radio. If you've not heard him speak about our hobby, you should plan on doing so. It has been a long time since the FCC has had as active and interested a Ham on their staff, and he's brought about some very important changes that support us. For more information, log onto: <http://sd2002.hamcon.net/index.html>.

PARC plans a table at the Convention. Those interested in helping us run the table, and also enjoy the camaraderie and fun of the event should contact NE6O. I for one plan on attending and serving at the table, as I am committed to ensuring we are well represented. After all, we are the largest Ham radio club in Southern California. Did you

know that?

Please take note of the minutes of this past Board Of Directors meeting. You will find a note about new rules proposed by TASMA that affect frequency coordination and allocations that potentially impact our repeaters. Get involved. The outcome is not certain, but taken to it's worst possible outcome there will be a lot of confusion and changes ahead. Incidentally, Jim Fortney, K6IYK, the TASMA treasurer, is slated to speak at the frequency coordinator's forum during the convention.

Did you participate in Field Day? I hope you did because it was a BLAST!

As you can imagine, this note is prepared almost as Field Day is closing. I've been up for 48 hours, and I am a bit bushed. But suffice it to say that PARC FD 2002 was a SUCCESS!

I admit that as PARC FD coordinator, I've taken some liberties with this President's message to "hawk FD". But hey, Ham radio is about having fun. And did you see the fun people had at FD? If you didn't, plan on attending next year's FD.

It can only get better!

While there will be more said about FD later, it is with sincere gratitude that I thank every single person who got involved in FD 2002 and made it such a success! Contrary to popular belief, I had the easiest role in FD. The many volunteers did it all!

See you at the Southwest Division Convention?

73 de NN3V

PARC Testing

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

Contact Rusty *AA6OM*
760-747-5872 or dunedancer@cox.net

EARS Testing

Escondido - LAST Saturday at 9:00 am
Chamber of Commerce
720 N.Broadway, Esc 92025

Contact Harry *W6YOO*
760-743-4212 or W6YOO@amsat.org

Register 5-7 days in advance for tests.

Tubes Tubes Tubes

North County Tube Bank, Radio Tubes for PARC Members. If available, tubes will be delivered to the PARC meetings. Free for repairs of personal use equipment (not for resale). Contact John WB6IQS, 760-727-3876 or e-mail at WB6IQS@juno.com.

Board Minutes

The regular monthly meeting of the Board of Directors was called to order by NN3V at 7:10 PM on June 12, 2002, at the home of KB6NMK.

Treasurer's Report

KB6NMK circulated copies of the

Web Pages

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

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

ARES Alert Publication
<http://www.qsl.net/sdgarr/alert.htm>

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

Treasurer's Report. **Motion** by KF6WTN to approve the Treasurer's Report. **Seconded** by AB6QT. Motion **passed** unanimously. KB6NMK stated that she had received a notice from the DMV to renew the registration on one of the club's three registered trailers. It was decided to use the repeater site address as the registered address for the trailers.

Secretary's Report

KB5MU stated that the minutes of the May Board meeting were as published in the Scope. **Motion** by AB6QT to approve the minutes as published. **Seconded** by KF6WTN. Motion **passed** unanimously.

Membership Report

W6GNI reported that the club has 511 members, including 53 family members.

New Hams

KG6JMP reported on the effort to link up new hams with mentors. A fair number of prospective mentors have signed up, but only one new ham has requested a mentor so far.

The attempt to host a dinner for new hams before the June club meeting wasn't entirely successful. The restaurant was unexpectedly crowded and noisy, and a number of non-newcomers took up the reserved table due to a miscommunication. We'll try again at a different restaurant.

KG6JMP is trying to encourage new hams to attend Field Day and the club meetings. Some have expressed a preference for club meeting programs that are more directly related to amateur radio. Conrad Lara, KG6JEI, is taking the lead on an effort to make transportation available to young hams who may have difficulty getting to meetings.

ARRL Southwestern Division Convention

NE6O attended a meeting of the ARRL Southwestern Division Convention planning group as a represen-

P.A.R.C. Inc (2002 Board)

Pres: Charlie Ristorcelli 858.676.3307	NN3V NN3V@amsat.org
VP: Mark Raptis 760.749.4825	KF6WTN KF6WTN@amsat.org
Sec: Paul Williamson 858.571.8585 760.742-9924 Palomar Mt.	KB5MU KB5MU@amsat.org
Treas: Jo Ashley 760.741.2560	KB6NMK KB6NMK@amsat.org
Dir#1: Paul DeCicco 619-595.0500	NN6X NN6X@amsat.org
Dir#2: Jim Cooper 760-727-8446	NE6O NE6O@amsat.org
Repeater Site: Mike Pennington 760.749-8888	KD6VHI KD6VHI@amsat.org
MSh: Al Donlevy 760.630.3096	W6GNI W6GNI@amsat.org
Repeater Technical: Mike Doyle 760.742.1573	AB6QT AB6QT@amsat.org

Repeater Status 12.16.01

146.730+	: Normal
147.075-	: Normal
147.130-	: Normal
447.000-	: Normal
52.680	: Normal
146.700-	: Packet Repeater Normal
145.050	: Packet Digi Normal
PALBBS	: Bulletin Board Normal
AutoPatch	: Normal
ATV	: Operational

tative of the club. An ATV demo is being coordinated with Art McBride, KC6UQH. The convention conflicts with ARRL 10 GHz and Up contest, which prevents both NE6O and KC6UQH from attending. The club could have a table at the convention, either free or paid, if volunteers could be found to staff it.

Club Meeting Program

KF6WTN stated that the program for the July meeting would be presented by Harry Hodges, W6YOO, who will speak on the Islands On The Air (IOTA) program and

Fold & Staple Crew

KG6AEW Bill W6GNI Al
 K6ML Jim P KB6NMK Jo
 N6UZH Terri & MY2KDS
 KB6AEW Anita & KB6YHZ Art
 KC6WAN Ralph P & Virginia P,
 KB6NMK's Sister & Husband

July Goodie Givers

Michelle KF6WTO
 Bill WB6JAR
 Preston W6ASP
 Jerry KF6MYE

Treasurer \$\$\$,\$\$\$

Jo Ashley KB6NMK@amsat.org

ASSETS

Cash and Bank Accounts
 CD \$2,538.03
 CD \$2,692.19
 CD \$2,665.44
 CD \$3,227.44
 Checking \$4,605.00
 Post Office \$ 103.47
TOTAL ASSETS \$15,831.57

LIABILITIES

Pre-paid dues \$ 9,420.00
 Prop. Insurance \$ 600.00
TOTAL LIABILITIES \$10,020.00
EQUITY \$ 5,811.57
TOTAL LIABILITIES & EQUITY

\$15,831.57

DXpeditions.

Disposition of Swan Transceiver from ARES/CDF

Nash Williams, W6HCD, has a Swan HF transceiver that the club had placed for an ARES/CDF Red Flag station. That station is no longer operational. W6HCD has requested permission to use the rig for EMS communications. AB6QT agreed to draft a letter to W6HCD authorizing this usage, and to notify the Club Assets Chairman of the disposition of the equipment.

PARC Pre-Meeting Meeting

All PARC members, and any hams planning to attend the PARC meeting, are invited to congregate early in the Carlsbad area and enjoy dinner with the many meeting attendees who relax and enjoy socializing before the PARC meeting. Listen to the 146.730 MHz repeater starting around 5:00 PM, and you will hear members driving to various restaurants for dinner, and an "eye ball" with fellow hams. A GREAT WAY TO ENJOY THE HOBBY! See you there.

Reimbursements

NA6RS has requested reimbursement for the purchase of Adobe Acrobat software used in production of the online Scope. KF6WTN stated that this has already been approved. The receipt was passed to the Treasurer for payment.

KF6WTN requested reimbursement for \$30 for the rental of a special trailer used to move towers. **Motion** by AB6QT to approve the reimbursement. **Seconded** by W6GNI. Motion **passed** unanimously.

Field Day Equipment

KF6WTN presented a summary of what Field Day equipment had been moved and where. A permanent storage facility for this equipment is still in the works.

PARC Brochure

The one-page tri-fold PARC brochure and membership application is badly outdated. NN3V agreed to prepare a one-page handout to use instead at Field Day. KF6WTN agreed to update and reprint the brochure when time permits.

Control Operator Training

AB6QT agreed to hold a training session for new repeater control operators

by Labor Day.

Real Property Manager

AB6QT reported that the new position of Real Property Manager is still unfilled. A candidate would need a legal background to deal with possible property boundary issues, water rights issues, and insurance.

TASMA Band plan Changes

AB6QT reported that TASMA (the Two Meter Area Spectrum Management Association, the recognized repeater coordination body for 2m in southern California) is moving to 15 kHz spacing between repeater channels, and stated his technical reasons for opposing that change. NN3V suggested that a letter be written to TASMA, ARRL, and the FCC stating our objections. AB6QT agreed to draft such a letter. KB5MU stated that to have any influence on TASMA decisions, it is necessary to participate in TASMA.

Repeater Site Keys

AB6QT stated that he would be the designated keeper of the keys to the repeater site. KF6WTN expressed a desire that a backup set of keys be available, and other board members agreed. KF6WTN agreed to keep a backup set of keys in his safe.

Repeater Site Report

AB6QT reported that, with fire season upon us, a massive cleanup of the repeater site is needed. AB6QT will call on volunteers to organize a work party to clean up the site. A watt-hour meter receptacle needs to be replaced. The existing white trailer needs to be replaced, probably with a 28-foot cargo container. AB6QT and KD6VHI have been working at the site each Wednesday.

Next Board Meeting

The July Board meeting will be held at the home of KB6NMK, on

Committee Chairmen

AREInfo.	-Dennis S	K7DCG@amsat.org
Attendance	-Al	W6GNI@amsat.org
ATV	-Bill S	KB6MCU W6GIC@amsat.org
Auction	-Jim C.	NE6O@amsat.org
Badges new	-Al	W6GNI@amsat.org
Batteries	-David	KD6EBY DAT@Gerry.Palomar.caltech.edu
BBS Monitor	-Bill B	N6FMK@amsat.org
Billing: Ads/etc	-Lyell K	K6GVM@arrl.net
By-laws	-Paul	NN6X@amsat.org
&	-Ron	RWA9JCL r3mb@concentric.net
Contest Info	-Dennis V	N6KI@amsat.org
ControlOps.	-filled	W6NWG@amsat.org
D.Mar Fair-		
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	W6YOO@amsat.org
DennisV	-N6KI	N6KI@amsat.org
Field Day	-Charlie R	NN3V@ARRL.net
FDTech.	-John K	WB6IQS@Juno.com
Historian	-	
Interference	-Bill S	KB6MCU W6GIC@amsat.org
Inventory	-Dennis B	KD6TJ@juno.com
MtgGoodies	-Jim E	W6SST@juno.com
Membership	-Al W6GNI	aldonlevy@juno.com
Nets	-	
Newsletter	-Ron S	NA6RS@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-	
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-Paul D	NN6X@amsat.org
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-Charlie R	NN3V@ARRL.net
Publicity	-Fred S	K6ISS@amsat.org
QSL Cards	-Merle R	KR6BT@Juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag	-	W6HCD NashWilliams@Compuserve.com
Rptr Site	-Mike P	KD6VHI@amsat.org
Rptr Skeds	-	
SANDARC	-	
SellerTable	-John K	WB6IQS@Juno.com
AstSWDvDir	-	
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M,	DuneDancer@cox.net
Training	-	W6NWG@amsat.org
TrusteeW6NWG-Mike D		AB6QT@amsat.org
Web Site	-	

(Net Managers) (see pg.12)

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

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

Wednesday July 10, 2002, at 7:00 PM.

Adjournment

The meeting was adjourned at 9:02 PM.

Respectfully Submitted,

Paul Williamson, KB5MU
 Secretary

Club Membership

More New Members Joining PARC: K6PAL, KG6HOR, G6DIW, K7OPA, KN6NS, KT6UK, and KG6GIQ. When you hear these calls on a repeater, be sure to greet our new members. In addition, 5 members reinstated their membership, after several months, to several years had elapsed; welcome back!

Please help in the next couple of months with timely renewals. Due to past practices, long ago, there are a large number of club members that renew in July, (93 members to be exact). Last year, as a result of my request, a good number of members renewed for more than one year at a time. This is great, and appreciated! This past month, we received five year renewals from KO6SI and KF6RWF. A big \$60 thank you!

As you know, the SCOPE is printed and mailed on the Wednesday before the regular monthly meeting. And, it is difficult to figure out what the Post Office does with the SCOPE! Often, members South of Carlsbad receive theirs the next day (Thursday). Valley Center often gets theirs on Friday. I get the receipt from the Post Office, where they have checked our count and weight on Thursday. However the last two months, I received my SCOPE on Friday after the meeting. (9 days after mailing) The SCOPE is mailed at the Post Office where the little white trucks that service our neighborhood depart from, and it is less than 1.5 miles from our house here in Vista. (Go figure!) Escondido has the same problem quite often.

DON'T FORGET — CHECK YOUR LABEL EACH MONTH

Notice your club expiration date (Month and Year) and sometimes other information. If the date is highlighted in green, you have one more Scope and two more months of membership, if the label has a red highlight, it is your last issue, and really time to get the renewal in the mail

73 Al W6GNI

NEW HAM BANDS

The FCC has issued a Notice of Proposed Rulemaking to allocate the 135.7-137.8 kHz and 5250-5400 kHz bands to the amateur radio service on a secondary basis. The Commission has also proposed to upgrade the existing secondary amateur radio service allocation in the 2400-2402 MHz band to primary status, and to add a primary allocation for the amateur-satellite service in this band.

MICROWAVE EYES

Monday's partial solar eclipse attracted quite a bit of attention because the vent could easily be seen. However, the sun is also a powerful source of microwave signals, so the eclipse should have been visible in the radio spectrum as well.

Thanks to the efforts of Dr. Brian L. Dougherty of Caltech, we now have graphs of the solar microwave eclipse. Dr. Dougherty operates a microwave dish in the Owens Valley that records the radio spectrum of the sun every 9.6 seconds, covering roughly 100 frequencies between 1 and 18 GHz. With a bit of data processing, we are able to "see" Monday's solar eclipse with microwave eyes: <http://srbl.caltech.edu/020610.html>

Many thanks to Brian for this outstanding work. I hope it will inspire some of you to visit the Solar Radio Burst Locator page <http://srbl.caltech.edu/> during the day to see the sun's microwave events in real time.

Best 73, Bob W6VR

PARC *Fold & Staple*

This is an explanation of what goes on during a Fold & Staple day. The operation begins on the Wednesday before

the monthly PARC meeting when Jo, KB6NMK, goes to the print shop in Escondido, with check book in hand to pick up the 500 plus printed Scope newsletters, and pay the bill for them.

In Vista, at the house of Art and Anita Nye, the troops are gathering, just before 12 noon. Usually, Anita has spent considerable time making cookies and other goodies, including coffee. (This is definitely a courtesy and bonus, not to be expected, but more often than not, it's there.)

When the Scopes arrive, and the membership guy shows up with the labels, the work begins. Several people start folding the newsletter in half, someone staples the folded letter, and others begin to attach labels. To take advantage of the best mailing rate, the letters are packaged by zip code, secured by rubber bands, as prescribed by the Post Office, and placed in the proper trays with the correct little tags. Terry Brewer N6UZH is the "in charge" person here. After all is in order, the trays with the Scope are delivered to the bulk mailing office in Vista, with a check for the postage. All in all, besides getting this important task done, there is always plenty of conversation on many subjects, and there is always room for more people to participate.

Jeff N6FRW

Grace N6WPA

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June Brain Teaser

The bear was white. The only way you could go 10 miles East, 10 miles West, and then return 10 miles to the starting point is on the North or South pole. **It was a polar bear!**

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For Sale

(6.17) **Cushcraft Ringo Ranger** vertical half wave 2m ant. approx 105" in length with 9" phasing stub. Complete with Archer 3-foot tripod. \$25 WA6DOC Mark 760.945.1367 O'side gomark@juno.com

(6.10) **Fluke 77 Multimeter** Analog/Digital, W/manual \$85, **B&W Low Pass Filter**, \$20, **Waters Dummy Load-Wattmeter**, 15-50-300-1500w \$85, **QST 1976-2000** Make Offer, Kris W6KTE 760-941-2555

(6.6) **Ten-Tec Jupiter**, HF, 160-10m, All mode, 100W, w/Hand Mic, Desk Mic, Encoder Key Pad, PS, New \$875, **Yaesu FT-817**, Hf/Vhf/Uhf, All Mode \$575 Carl N6HLY, 858-229-5838

(5.20) **Sears Window Air Conditioner** like new - \$200, MAC Performa 6400/180, scanner, trackball NEC Monitor - \$450 Junk PC 133 MHz (works) No case, NEC Monitor, CD ROM Burner, SCSI Bus - Best Offer, Alinco DJ-S11 2M HT Like New - \$50/bo, FRS RADIOS (2) COBRAS -- Like New/Nice - \$50/bo Rod AC6V 760-945-6050 or ac6v@amsat.org

(4.17) **ADI-Pryme PR-222** 5-watt HT for 220MHz. With rapid charger, box, and manual. Use this tiny HT throughout California on the Condor system. Asking

***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.*

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SCOPE@palomararc.org

\$165. Dave KF6XA 909-677-2446 or kf6xa@qsl.net

(4.6) **ICOM 1271A**, 1.2Ghz w/ATV and AG-preamp. \$1000.00, **ICOM 471A** 420-450Mhz, \$350.00 Steve at KO6ET@Juno.com

(3.18) **KENWOOD TS 530S** Transceiver, 160 thur. 10 meters, manuals and mike. In good condition. \$450 Bob K3DLC 858 278 4864 or hurwi7@aol.com

(3.18) W6NFB Estate Sale, **Kenwood TS 450 AT**, **Astron RS 35A Power Supply**. **Mic. and Dummy Load**. \$500, **ALFA 78A KW** + Amplifier. \$500 Universal Aluminum Free Standing **40 foot Tower** with Rotor, Beam, Vertical and Coax. \$275, **Drake SPR-4** Communications Receiver \$25, (needs work) Contact: Wayne in Vista 760 - 724 - 0777

(2.18) **KLM 34A Antenna**, 2 yrs. Since complete rebuild, replaced with newer model \$150, **17 mtr. Beam**, \$75, **Mosley PRO 57**, 5 band beam, \$100, Estate sale

for N6SMB, **2m BRICK**, fm 50w, \$50, **Hallicrafters S120** receiver, needs work, \$25, **HEATH RF Sig. Gen.**, \$25, **300W Dummy Load**, \$20 Ron , na6rs@amsat.org or 760-822-5170

(2.18) **ICOM IC 271A** 2 Meters All mode transceiver w/built-in Icom P.S. and pre-amp. \$300 ICOM IC 471A 400 MHz. All mode w/built-in P.S., one owner \$300, TE POWER AMP model 1412G 0-30 IN, 160w. Out. W/pre-amp. \$150 3 CDR Rotors, light and heavy duty, make offer. Bayard K6GAO 858-755-5507 or e-mail rehkopf@mail.sdsu.edu.

(12.11) **CW KEYER MFJ-401D** less than year old includes pwr adapter & manual \$35: Bernie N6FN 760-781-5522Wk, 760-746-7411Hm.

(12.11) Calrad SR-16 SWR bridge \$10: Ruth 760-727-3178 Vista.

(11.20) **Ten-Tec HF Corsair** 80-10m w/ pwr sup \$300; **Kantronics KAM** + cables, Hostmaster II + Pactor \$100; **Yaesu FT227R** 2m Memorizer \$30; **Icom IC25H** \$30; **Isopole** ant \$10; **G5RV** full size 80-10m new \$30; **HP Deskjet 660C** printer \$40: Max KB7RNP maxkb7rnp@aol.com 909-696-8495.

WANTED:

2 meter Ringo Ranger, WA5ACE. sstires@cox.net

HAM

RADIO

H
R
O

OUTLET

Tom KM6K
Ron N6OMW
Jose XE2SJB
Bob KA6EKT

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Model BA-8 (for RG-8, RG-213, 9913 and similar cables up to 1/2" diameter.

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Contest Coral

- July 1 Canada Day Contest
- July 4 QRP Sprint Contest
- July 13 IARU HF Contest
- July 20 CQ WW UHF Contest
- July 20 Georgia QSO Party
- July 27 Venezuela CW Contest
- July 27 Islands on the Air (IOTA) Contest
- Aug 3 North American QSO Party, CW
- Aug 3 ARRL UHF Contest
- Aug 17 SEANET DX Contest

Man! There's all sorts of contests this month. CW

to SSB, HF to Light. A state QSO party. There's

something every weekend. For complete rules you

can check QST, CQ, NCI, and Worldradio maga-

zines. CU in the contest. 73, Harry/W6YOO

PARC NETS

Sunday	0830	146.730	ARES
Sunday	1000	146.730	Sailor's Net
Sunday	2045	147.075	MARA Emergency Services
Monday	915	146.730	RACES Sub-Net
Monday	2100	146.730	Microwave Net
Tuesday	2100	146.730	Off-Road Net
Wednesday	2000	146.730	Field Day Planning
2nd Wed	100	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
Saturday	2015	147.130	ARES Staff Net
Tue/Thu/Sat	2000	146.730	NTS Traffic Net (SDCTN)
Nightly	>2200	147.130	Facetious Group

FIELD DAY 2002

Well it is over. If you missed the event, you missed a great time with your fellow hams. I can't give you the specifics yet, but I can say that we were well covered. 20 meter cw, 20 meter phone, 15 meter phone and cw all had their own towers. The GOTA station was a huge success with Rod's (AC6V) participation as well as Jim's bicycle powered QRP operations. Whew! I am glad I didn't have to pedal. I had my satellite station set up working the analog birds. The good news for me was that there were no passes between 11:30 pm and 5:00 am so I could get some rest. Ha Ha One word of advice, do not put your tent next to the street on a Saturday night. We did have several motorhomes and camping trailers which was a new feature this year. It was level ground, but very dusty. For those who brought equipment or loaned it, please follow up on getting it back. You can email me or the club and we will do what we can to find it. As we are non-profit, please do not tell us you lost a \$10,000 radio and expect to be reimbursed. I've tried it and it didn't work. Anyway, Mark, KF6WTN, did a great job of cooking, serving, and providing great conversation as always. He probably had on of the hardest jobs there. Everybody wants theirs first. Go figure. I have enclosed a few pictures to encourage you to check out the web page. Hope you enjoy.

Ron, NA6RS



Ron and his crew working with Newsies.

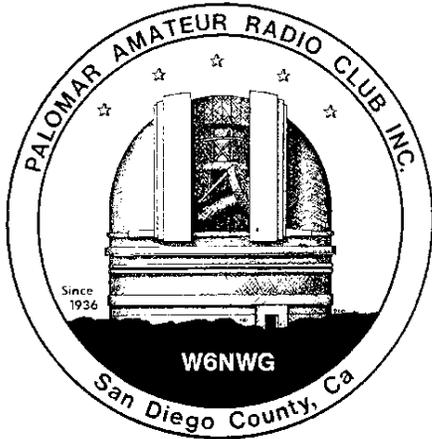


I believe this was the thrill of DX.

See Ya Next Year
Right!

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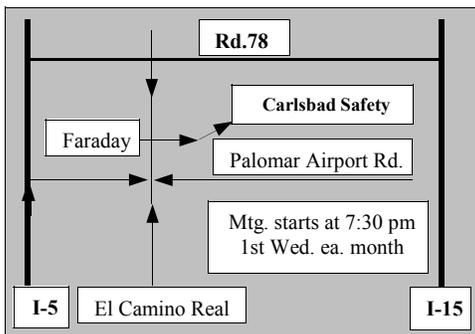
SCOPE

Palomar Amateur Radio Club Inc.

*also ATV &
4 Autopatches*

Scope (USPS #076530) Vol. XXVIII No. 7, Jul. 2002, published monthly by PARC
1651 Mesa Verde Dr., Vista, CA, 92084. *Periodicals postage pd. at Vista, CA 92085.*
Dues \$12/yr or \$21/family/yr (includes newsletter subscription)

Editor: Ron Surfield NA6RS, 2605 Emerald Pl., Escondido CA 92027
Scope address for newsletter: scope@palomararc.org



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Vista CA 92085-0073



Palomar Amateur Radio Club

August 2002

August Meeting

23cm and DOWN

Art McBride KC6UQH

Come here about those micro-waves and what's doing there. It will be interesting and different, you can be sure.

PARC Repeaters

Palomar Mt. Repeaters (W6NWG)

PARC Trustee: AB6QT

*52.680- W6NWG, -0.5 MHz.

Autopatches:

146.730-, *147.075+

* 147.130+, *447.000-

PKT:

145.050s (PALMAR/W6NWG-1)

146.700- (Duplex Pkt) PALBBS/
EMG use

145.070/146.7 - (W6NWG-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

Imagine this. It is August, and Labor Day is just 4 weeks away!

Time is fun when you are having flies! (Hi, HI, Hi)

Have you enjoyed your hobby this summer? I mean really, really, enjoyed ham radio this summer? How?

Has it been the pleasure of chatting with good friends on the repeater(s)? Was it the chance to go to the Del mar Fair, and enjoy camaraderie with fellow hams? Maybe stop by the booth, and chat with PARC members? Was it the pleasure of coming to PARC Club meetings to enjoy the programs? Or maybe the chance to have an "eye ball" with fellow hams at the eateries in Carlsbad before the Club meetings?

I ask these questions because I wonder if you have an appreciation for the benefits derived from PARC? Many of the opportunities described above result from the Club's presence in the area. Do you know some of the facts associated with PARC, especially those that make us different from other Ham clubs in California, or for that matter, different from Ham Clubs all over the USA? Consider that, aside from the advantage of having a repeater site at 5,000+ feet, that

gives us unparalleled coverage all over Southern California, on some 8 different repeaters, PARC owns the land upon which the repeaters are placed!

Recognize that because we own that land, our repeaters are not subjected to the vagaries of uncertain landlords, and uncertain access to our equipment, as befalls many a ham club in the USA.

Do you know that the majority of equipment we need to remain a viable service organization in the event of a natural disaster is owned by PARC? There are not many ham clubs in the United States that can point to a core of material and equipment that allows the Club to be a "presence" in the Ham Radio community.

Please take note that the PARC Board Of Directors is actively engaged in revamping the procedures by which all that equipment and real property is managed, and stored. As "real property owners" at our repeater site, please welcome K6WJH (Bill Hoffman) who generously volunteered to serve as our "property manager", representing the Club's interests in affairs associated with the Palomar Mountain community. Also take note that in response to a request that we remove Club property accumulated over many years at our

PARC Testing

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

Contact Rusty *AA6OM*
760-747-5872 or dunedancer@cox.net

EARS Testing

Escondido - LAST Saturday at 9:00 am
Chamber of Commerce
720 N.Broadway, Esc 92025

Contact Harry *W6YOO*
760-743-4212 or W6YOO@amsat.org

Register 5-7 days in advance for tests.

traditional storage facility, we are investigating a new, and more convenient location, for placement of a permanent storage capability.

I ask that you be generous with your spare time, and volunteer when we call for help in moving equipment, as well as when it is time to renovate the old storage areas at the repeater site, as they also are in need of replacement, maintenance, and upkeep. All these actions take time, *effort*, and resources in order to keep the Club a viable organization, and to make sure that should you need help in various amateur related activities, or services, we are in position to extend a hand. Are

Web Pages

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

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

ARES Alert Publication
<http://www.qsl.net/sdgarr/alert.htm>

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

you going to the Southwest ARRL Convention in Escondido **August 16 – 18!**? How about the swap meet at the convention on August 17th? Have you volunteered to staff the PARC Table for a couple of hours? We'd be delighted to have you help us! (Contact NE6O if you can help).

I hope to see you at the convention!

73 de NN3V

Board Minutes

The regular monthly meeting of the Board of Directors was called to order by KF6WTN at 7:08 PM on July 10, 2002, at the home of KB6NMK

Present :

Vice President

Mark Raptis, KF6WTN

Treasurer

Jo Ashley, KB6NMK

Secretary

Paul Williamson, KB5MU

Director #2

Jim Cooper, NE6O

Repeater Technical Chairman

Mike Doyle, AB6QT

Membership Chairman ,

Al Donlevy, W6GNI

Visitor/Club Assets Chairman

Dennis Baca, KD6TUJ

Visitor's

Merle Risdon, KR6BT
Steve Early, AD6VI

Treasurer's Report

KB6NMK circulated copies of the Treasurer's Report. **Motion** by KB5MU to approve the

P.A.R.C. Inc (2002 Board)

Pres: Charlie Ristorcelli NN3V
858.676.3307 NN3V@amsat.org

VP: Mark Raptis KF6WTN
760.749.4825 KF6WTN@amsat.org

Sec: Paul Williamson KB5MU
858.571.8585 KB5MU@amsat.org
760.742-9924 Palomar Mt.

Treas: Jo Ashley KB6NMK
760.741.2560 KB6NMK@amsat.org

Dir#1: Paul DeCicco NN6X
619-595.0500 NN6X@amsat.org

Dir#2: Jim Cooper NE6O
760-727-8446 NE6O@amsat.org

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

Membership:
Al Donlevy W6GNI
760.630.3096 W6GNI@amsat.org

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

New Members:
Mike McMahan KG6JMP
760.207.9544 KG6JMP@amsat.org

Repeater Status 12.16.01

146.730+	: Normal
147.075-	: Intermittent
147.130-	: Normal
447.000-	: Normal
52.680	: Normal
146.700-	: Packet Repeater Normal
145.050	: Packet Digi Normal
PALBBS	: Bulletin Board Normal
AutoPatch	: Normal
ATV	: Operational

Treasurer's Report. **Seconded** by AB6QT. Motion **passed** unanimously. KB6NMK stated that some reimbursement requests for Field Day expenses were waiting for NN3V's approval.

Secretary's Report

KB5MU stated that the minutes of

Last Month's Fold & Staple Crew

KG6AEW Bill	K6ML Jim P
WA5ACE Sonny	KB6NMK Jo
N6UZH Terri &	MY2KDS
KB6AEW Anita &	B6YHZ Art

July Goodie Givers

W6ASP	Preston
N6ISC	Paul
KF6MYE	Jerry

Treasurer \$\$, \$\$\$

Jo Ashley **KB6NMK@amsat.org**

ASSETS

Cash and Bank Accounts	
CD	\$2,555.75
CD	\$2,711.43
CD	\$2,674.57
CD	\$3,253.87
Checking	\$4,945.75
Post Office	\$ 93.85
TOTAL ASSETS	\$16,235.22

LIABILITIES

Pre-paid dues	\$ 9,740.00
Prop. Insurance	\$ 600.00
TOTAL LIABILITIES	\$10,340.00
EQUITY	\$ 5,895.22

TOTAL LIABILITIES & EQUITY

\$16,235.22

the June Board meeting were as published in the Scope. **Motion** by W6GNI to approve the minutes as published. **Seconded** by NE6O. Motion **passed** unanimously.

Membership Report

W6GNI reported that the club has 509 members plus four new members signed up at Field Day. He asked for and received the consensus of the Board that activity points should be awarded for manning the

PARC Pre-Meeting Meeting

All PARC members, and any hams planning to attend the PARC meeting, are invited to congregate early in the Carlsbad area and enjoy dinner with the many meeting attendees who relax and enjoy socializing before the PARC meeting. Listen to the 146.730 MHz repeater starting around 5:00 PM, and you will hear members driving to various restaurants for dinner, and an "eye ball" with fellow hams. A GREAT WAY TO ENJOY THE HOBBY! See you there.

amateur radio booth at the San Diego County Fair.

AD6VI noted that the club's web page for membership does not include the family membership rates, and KB5MU agreed to add that information.

Repeater Technical Report

KF6WTN noted that the 147.075 MHz repeater appears to be down again. AB6QT stated that he and KC6UQH had worked on it and found some intermittent problems. KC6UQH has a backup repeater controller of the club's, and intends to combine it with some radios he has available to create a backup repeater which can be substituted for any of the club's 2m repeaters when needed. When the backup repeater is available, the existing 147.075 MHz GE Master2 repeater can be taken down for overhaul.

The 70cm 9600-baud "metro link" packet node is receiving poorly, causing connectivity problems for PALBBS. This began around the time of some unrelated tower work, which may or may not be significant. Work on this will occur as time per-

mits.

AB6QT reported that he had not contacted TASMA as yet. He stated that his work schedule would prevent him from attending TASMA's weekend meetings, and asked for another Board member to take over that work. NE6O agreed to discuss it with AB6QT.

Fire Clearance at the Repeater Site

AB6QT and AD6VI met at the site to decide on the agenda for the July 20 work party. Several stumps were identified for removal to make room for a new storage container at the site. AD6VI reported that it would not be practical to remove the stumps completely, so the plan is to simply cut them off flush with the ground. Other work party members will remove limbs from trees up to ten feet off the ground, except certain trees around the perimeter which were planted for a visual screen. The leaves will be left on the ground, but loose branches and other clutter will be removed. AD6VI expects to have a crew including 11 to 12 members of MARA, plus 3 to 4 other club members, meeting at Mother's Kitchen at 10:00 AM.

The debris from the cleanup, plus several piles of debris from a cleanup work party late last year, will be chipped using a suitable rented chipper. AB6QT has a query in to the U.S. Forest Service about whether the chips may be left on the ground, or must be disposed of elsewhere.

AD6VI reported that the required chipper costs \$150/day

Committee Chairmen

ARESinfo.	-Dennis S	K7DCG@amsat.org
Attendance	-Al	W6GNI@amsat.org
ATV	-Bill S	KB6MCU W6GIC@amsat.org
Auction	-Jim C.	NE6O@amsat.org
Badges new	-Al	W6GNI@amsat.org
Batteries	-David	KD6EBY DAT@Gerry.Palomar.caltech.edu
BBS Monitor	-Bill B	N6FMK@amsat.org
Billing:Ads/etc	-Lyell K	K6GVM@arrl.net
By-laws	-Paul	NN6X@amsat.org
&	-Ron	RWA9JCL r3mb@concentric.net
Contest Info	-Dennis V	N6KI@amsat.org
ControlOps.	-filled	W6NWG@amsat.org
D.Mar Fair-		
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	W6YOO@amsat.org
DennisV	-N6KI	N6KI@amsat.org
Field Day	-Charlie R	NN3V@ARRL.net
FDTech.	-John K	WB6IQS@Juno.com
Historian	-	
Interference	-Bill S	KB6MCU W6GIC@amsat.org
Inventory	-Dennis B	KD6TUJ@juno.com
MtgGoodies	-Jim E	W6SST@juno.com
Membership	-Al W6GNI	aldonlevy@juno.com
Nets	-	
Newsletter	-Ron S	NA6RS@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-	
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-Paul D	NN6X@amsat.org
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-Charlie R	NN3V@ARRL.net
Publicity	-Fred S	K6ISS@amsat.org
QSL Cards	-Merle R	KR6BT@Juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag	-	W6HCD NashWilliams@Compuserve.com
Rptr Site	-Mike P	KD6VHI@amsat.org
Rptr Skeds	-	
SANDARC	-	
SellerTable	-John K	WB6IQS@Juno.com
AstSWDvDir	-	
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M,	DuneDancer@cox.net
Training	-	W6NWG@amsat.org
TrusteeW6NWG-Mike D		AB6QT@amsat.org
Web Site	-	

(Net Managers) (see pg.12)

ARES Sun	-	
Staff Net	-David D	KC6YSO@amsat.org
ARES 6m	-David D	KC6YSO@amsat.org
Ham Help	-David D	KC6YSO@amsat.org
Hiking	-Ed	KF6DXX@Juno.com
	-Glenn P	KE6ZLY@Juno.com
MARA	-Cathy	KE6IQU W6NWG@amsat.org
Microwave	-Kerry B	
Off Road	-Jerry A	fwak6pfp@cts.com
	-Dick W	KA7AYT rwilimek@home.com
Sailors	-Paul/Rod	NN6X@amsat.org / AC6V@amsat.org
Traffic(SDCTN)-Charles		N6TEP cmiele@juno.com

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

to rent in La Mesa. KF6WTN stated that the same chipper can be rented for \$100/day in Valley Center, which is much more convenient to the mountain. **Motion** by W6GNI to allocate up to \$150 to cover the expenses for the site cleanup on July 20. **Seconded** by KB6NMK. Motion **passed** unanimously.

New Real Property Manager

AB6QT stated that a volunteer to serve as the club's Real Property Manager has been found. Bill Hoffman, K6WJH, is a lawyer and President and CEO of property management company Trigild Corporation, and his expertise in real property issues will be a great asset to the club.

Storage Facility

KD6TUJ reported that he had a definite verbal agreement from the family owners of TOWizard to place a long-term club storage facility, up to a 40-foot cargo container, within their secure double-gated yard at 1040 Airport Road in Oceanside, at no cost to the club. The site is level, so only minor work will be required to place a cargo container there. Access to the site by tractor-trailer (for delivery of the cargo container) is possible, but requires extra care.

Members of the Board expressed a desire for a somewhat more formal arrangement, such as a written agreement protecting the club's ability to access the equipment and providing for some notice before termination. KF6WTN agreed to meet with the owner of TOWizard in order to discuss our needs and try to come to a formal agreement. **Motion** by KB5MU that KF6WTN is authorized to make such an agreement on behalf of the club. **Seconded** by KB6NMK. Motion **passed** unanimously.

KF6WTN stated that it would be desirable to be ready to purchase and install the cargo container promptly after concluding an agreement with TOWizard. **Motion** by AB6QT to allocate up to \$3000 to KF6WTN for purchase, delivery, and installation of a 40-foot cargo container to be placed at the storage facility. **Seconded** by KB6NMK. **Motion passed** unanimously. KF6WTN stated that he would also inquire about the possibility of a discount price for a second, smaller cargo container to be placed at the repeater site.

WAS QSL Card Checkers

KF6WTN read an email message from Harry Hodges, W6YOO, suggesting that the club nominate local QSL card checkers for the ARRL's Worked All States award program. In the email, W6YOO volunteered to check HF cards. NE6O volunteered to check VHF cards, if he meets the ARRL's qualifications. **Motion** by KB6NMK that the club nominate W6YOO and NE6O as ARRL WAS QSL card checkers. **Seconded** by W6GNI. **Motion passed** unanimously. KB5MU agreed to write the letter to the ARRL.

[Secretary's note: it turns out that only an ARRL Special Service Club may make such a nomination, and PARC is not currently designated as a Special Service Club.]

ATV Link Site

Via email, W9FQN pointed out that he has been hosting at his house an amateur television

(ATV) link facility between our Palomar Mountain site and Santiago Peak, and asked that this link be relocated. KF6WTN stated that his house would be an excellent site for such a link.

ARRL Southwestern Division Convention

NE6O stated his intention to attend another meeting of the ARRL Southwestern Division Convention planning group as a representative of the club. He will sign the club up for a free table, but volunteers must still be found to man the table.

Dues Increase??

KR6BT stated his opinion that the Board should consider increasing the membership dues. He presented figures from several other local clubs, which all have higher dues, provide fewer services to members, and do not own substantial property as PARC does. Additional money

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Grace N6WPA

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could be used to purchase new equipment for the repeater site, possibly improving reliability, and for other membership benefits such as a prize raffle at club meetings. The Board agreed to take up this issue at a future meeting.

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Aug 3 10-10 Int'l Summer QSO Party, SSB
 Aug 3 North American QSO Party, CW
 Aug 3 ARRL UHF Contest
 Aug 10 MD/DC QSO Party
 Aug 10 Worked All Europe Contest, CW
 Aug 17 North American QSO Party, SSB
 Aug 17 New Jersey QSO Party
 Aug 17 ARRL 10 GHz Cumulative Contest
 Aug 24 SCC RTTY Championship
 Aug 24 Ohio QSO Party
 Aug 31 Hawaii QSO Party
 Sep 7 All Asian DX Contest, SSB
 Sep 8 North American Sprint, CW

Summer doldrums? Nonsense! Here's a month with something for everyone. CW, SSB, RTTY or HF, UHF, GHz or State QSO Party, Nat'l,

Int'l. - What more could you want? Complete rules are found in QST, CQ, NCJ, or Worldradio. CU in the contest.

73, Harry, W6YOO

General/Extra Upgrade Class

AD6VI, who serves as Education Coordinator for SANDARC, stated that he has found considerable demand for a General and Extra license upgrade training class in North County. NE6O repeated that he is interested in helping to provide such a class, if an experienced instruction is not available, and agreed to write an article for the Scope.

Next Board Meeting

The August Board meeting will be held at the home of KB6NMK, on Wednesday August 14, 2002, at 7:00 PM.

Adjournment

The meeting was adjourned at 8:57 PM.

Respectfully Submitted,

Paul Williamson, KB5MU

Secretary

147.075 Repeater

Tech Report: The 147.075 repeater as you know has been very intermittent for some time. It can be a frustrating thing to fix especially when it keeps "Fixing itself". Please bear with the team (KC6UQH and AB6QT) . We WILL FIND IT. The HUNT is ON. Also, for the Packet users, I am aware that the w6nwg-2 backbone is down, and I am working on it at my QTH. I removed it from the hill on 7-17 . I hope to have it resolved soon. Please keep trying to connect.

Thanks. de AB6QT.

Position Filled

I am pleased to announce that the position of **REAL PROPERTY MANAGER** has been filled. Bill Hoffman, K6WJH has accepted the position. Bill is a Lawyer in Property and Business Mangement. His expertise will be invaluable to the Palomar Amateur Radio Club. Welcome aboard Bill. !!, de AB6QT

Work Parties

Work Parties: 6-26: KD6VHI and AB6QT worked on site cleanup. Mt. Mike installed a harmonic filter on the 146.73 and worked on the intermittent on the 147.075 when it once again, started working and would not quit. AND you can't fix it when it ain't broken!. Hope to find it soon. Thanks to all who reported it being down again. de AB6QT.

6-30: Art, KC6UQH and Mike AB6QT were at the site once again, for the .075 intermittent. The repeater was working when Art left, but as it turns out, a few days later it went off again. There appears to be a problem in the XMTR Keying circuit and even if we SNEAK UP on it, it suddenly starts working, and nothing we can do at the time will make it act up again. We WILL get it eventually. Good thing we have 2 other repeaters on the band to talk on!

7-6: AD6VI Steve, KB5MU Paul, and AB6QT went to the site to evaluate what would be needed in the way of brush clearance for the

ARRL Convention

Escondido, CA

August 16th – 18th

Swap Meet - August 17th.

weekend of Saturday July 20th when AD6VI and his team will go to do the work of cutting and chipping.

7-20-02: AD6VI Steve Early and his team went to do the clearance. The following list of hams was there, and I suspect there were more than this that are unaccounted for, so please send any update to ab6qt@amsat.org for next month's SCOPE if you were not on this list, but were there. Many thanks to: NE60, KD6VHF, KC6YSO, KB6NMK, KB5MU, AD6VI, KG6GQT, KF6WXA, KG6FBV, WA6PTZ, KD6JDF, KD6VHI, and also, a special thanks to the U.S. Forest Service Palomar Station for overseeing the operation. It made both the neighbors and the work team feel a lot better having you there for your advice and support!.

de AB6QT.

Club Membership

More New Members Joining PARC:

William Porter (no call yet), **KC6PYU**, **KG6GYU**, and **KG6JPD**.

When you hear these calls on a repeater, be sure to greet our new members.

In addition, 2 members reinstated their membership, one for 5 years! These folks joined in June. We run one month behind on listing our new members!

**DON'T FORGET TO CHECK
YOUR LABEL EACH MONTH**

Notice your club expiration date (Month and Year) and sometimes other information. If the date is highlighted in green, you

have one more Scope and two more months of membership, if the label has a red highlight, it is your last issue, and really past time to get the renewal in the mail.

This month the label will have your "participation points" listed, after your name. I only work on written lists of participants. You must sign in at the meetings to get a point. I think that there were a number of field day participants that never did sign in at the Road Kill Café where a sign in sheet was maintained. It's not too late! Give me a slip of paper with your call, name, and what you did at field day. Even visitors get a point. Or, send me an e-mail, but only if you were there, and didn't have time to sign in on the paper list. The maximum number of points that can be exchanged for chances on the drawing(s) at the Club Picnic is 20, and several members have exceeded that already - great showing..

73 de AI, W6GNI

2002 Pacific Northwest DX Convention

DATES:

August 2 - 4, 2002 (Friday through Sunday)

LOCATION:

Monarch Hotel
12566 SE 93rd Ave.
Clackamas, OR 97015 (just minutes from downtown Portland)
(800) 492-8700

73 Lisa Zeug, K7UQT
2002 Pacific Northwest DX
Convention Publicity Chairman

For Sale

PARC Equipment: **Heathkit CW** keyers, HD-10 and HD-1410 w/ manuals \$20 each, MFJ-901B **Versatuner \$25, Palomar PT-340 Tuner** (noise bridge) \$15, **B&W 2 position SO-239 coax. switch \$10, Plantronics telephone headset/ microphone \$10, ARRL Handbook 1993 \$5, 10/11 Mtr Midland CB type antenna tuner \$5, Ohmite resistors assort. drawers, 2 each \$5, ARRL CW code tapes \$2.** All recent donations to PARC, all prices negotiable and will accept more if offered, WB6IQS, John 760-727-3876 or e-mail at WB6IQS@juno.com

(7.18) **Stationary pedal bike** (made in Finland) for the exercising, training and/or heart therapy. Adj for pedalling resistance, speedometer and revolution counter, ribbon gauge, 0-60 timer, manual and more. Like new. \$125
WA6DOC Mark 760.945-1367
O'side gomark@juno.com

(7.4) **Bearcat 235** trunktracker \$100

Bearcat 245 w/comp cable \$150, box, manual. Bearcat III--8 ch. crystal scanner-\$20.
Steve KO6ET@Juno.com

(7.2) **SWL Receiver**, Panasonic Mod #RF4800, 1.6-31 mhz + FM 88-108 **Digital Freq Counter \$100, Hallicrafter Mod SKI I** Communication Receiver, 80-40-20-15&10m Double Conversion AM,CW & SSB 14 tubes, good condition, with

***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

manual \$200, **Kawasaki GA I400 Portable Generator**, 120v 1400 watts, 12 v. 8.5 a., Like new condition.\$350, Ed, KK6GO 619-224-8948

(6.10) **Fluke 77 Multimeter** Analog/Digital, W/manual \$85, **B&W Low Pass Filter**, \$20, **Waters Dummy Load-Wattmeter**, 15-50-300-1500w \$85, **QST 1976-2000** Make Offer, Kris W6KTE 760-941-3555

(5.20) **Sears Window Air Conditioner** like new - \$200, MAC Performa 6400/180, scanner, trackball NEC Monitor - \$450
Junk PC 133 MHz (works) No case, NEC Monitor, CD ROM Burner, SCSI Bus - Best Offer, Alinco DJ-S11 2M HT Like New - \$50/bo, FRS RADIOS (2) COBRAS -- Like New/ Nice - \$50/bo
Rod AC6V 760-945-6050 or ac6v@amsat.org

(4.17) **ADI-Pryme PR-222** 5-watt HT for 220MHz. With rapid charger, box, and manual. Use this tiny HT throughout California on the Condor system. Asking \$165. Dave KF6XA 909-677-2446 or kf6xa@qsl.net

(4.6) **ICOM 1271A**, 1.2Ghz w/ ATV and AG-preamp. \$1000.00, **ICOM 471A** 420-450Mhz, \$350.00

Steve at KO6ET@Juno.com

(3.18) **KENWOOD TS 530S** Transceiver, 160 thur. 10 meters, manuals and mike. In good condition. \$450 Bob K3DLC 858 278 4864 or hurwi7@aol.com

(3.18) W6NFB Estate Sale, **Kenwood TS 450 AT, Astron RS 35A Power Supply. Mic. and Dummy Load.** \$500, **ALFA 78A KW + Amplifier.** \$500 Universal Aluminum Free Standing **40 foot Tower** with Rotor, Beam, Vertical and Coax. \$275, **Drake SPR-4** Communications Receiver \$25, (needs work) Contact: Wayne in Vista 760 - 724 - 0777

(2.18) **KLM 34A Antenna**, 2 yrs. Since complete rebuild, replaced with newer model \$150, **17 mtr. Beam**, \$75, **Mosley PRO 57**, 5 band beam, \$100, Estate sale for N6SMB, **2m BRICK**, fm 50w, \$50, **Hallicrafters S120** receiver, needs work, \$25, **HEATH RF Sig. Gen.**, \$25, **300W Dummy Load**, \$20, Ron , na6rs@amsat.org or 760-822-5170

(2.18) **ICOM IC 271A** 2 Meters All mode transceiver w\built-in Icom P.S. and pre-amp. \$300 ICOM IC 471A 400 MHz. All mode w\built-in P.S., one owner \$300, TE POWER AMP model 1412G 0-30 IN, 160w. Out. W\pre-amp. \$150 3 CDR Rotors, light and heavy duty, make offer. Bayard K6GAO 858-755-5507 or e-mail rehkopf@mail.sdsu.edu.

(continued Page 9)

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Sunday	1000	146.730	Sailor's Net
Sunday	2045	147.075	MARA Emergency Services
Monday	915	146.730	RACES Sub-Net
Monday	2100	146.730	Microwave Net
Tuesday	2100	146.730	Off-Road Net
2nd Wed	100	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
Saturday	2015	147.130	ARES Staff Net
Tue/Thu/Sat	2000	146.730	NTS Traffic Net (SDCTN)
Nightly	>2200	147.130	Facetious Group

(12.11) **CW KEYER MFJ-401D** less than year old includes pwr adapter & manual \$35: **Bernie N6FN** 760-781-5522Wk, 760-746-7411Hm.

(12.11) **Calrad SR-16 SWR** bridge \$10: **Ruth** 760-727-3178 Vista.

(11.20) **Ten-Tec HF Corsair** 80-10m w/pwr sup \$300; **Kantronics KAM** + cables, Hostmaster II + Pactor \$100; **Yaesu FT227R** 2m Memorizer \$30; **Icom IC25H** \$30; **Isopole** ant \$10; **G5RV** full

size 80-10m new \$30; **HP Desk-jet 660C** printer \$40: **Max KB7RNP** maxkb7rnp@aol.com 909-696-8495.

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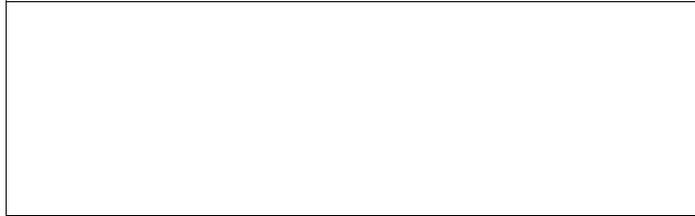
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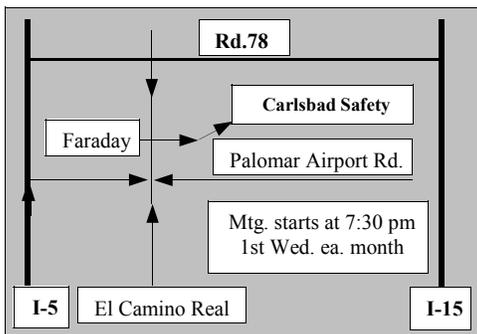
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also ATV &
4 Autopatches

Scope (USPS #076530) Vol. XXVIII No. 8, Aug. 2002, published monthly by PARC
1651 Mesa Verde Dr., Vista, CA, 92084. *Periodicals postage pd. at Vista, CA 92085.*
Dues \$12/yr or \$21/family/yr (includes newsletter subscription)

Editor: Ron Surfield NA6RS, 2605 Emerald Pl., Escondido CA 92027
Scope address for newsletter: scope@palomararc.org



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Vista CA 92085-0073



Palomar Amateur Radio Club

September 2002

September Meeting

Meeting will be at the Carlsbad Safety Center on Sept. 4, 2002 starting at 7:30 pm. Come early to visit friends and buy stuff. The table fills up early.

PARC Repeaters

Palomar Mt. Repeaters (W6NWG)

PARC Trustee: AB6QT

*52.680- W6NWG, -0.5 MHz.

Autopatches:

146.730-, *147.075+

* 147.130+, *447.000-

PKT:

145.050s (PALMAR/W6NWG-1)

146.700- (Duplex Pkt) PALBBS/
EMG use

145.070/146.7 - (W6NWG-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.

Labor Day weekend already!

The summer is over, and the kids are back in school. Daylight gets shorter each day, and that means we can return to the ham bands in the evenings, since there is little else to do!!

It must be PARC annual picnic time again! Sunday, September 29th at Lake Dixon. Come ready for prizes and for the 2nd. Annual PARC Chili Cook Off!!

Did you have fun at the Southwest ARRL convention? Was it what you expected?

I saw several PARC members wandering the floor of the Center For The Performing Arts, looking at goodies and having eyeball QSOs with many of the "voices" we hear on the repeaters. Good to see you there. And of course, quite a few hams commented on the fine performance by some of our very own members who were presenters at the symposium events. WELL DONE!

Perhaps the nicest part of the convention was that the limited attendance allowed us to speak at length with the commercial vendors, without rushing, and learn a lot of the details regarding their products. I know I benefited from a long and unhurried discussion with the Diamond An-

tenna people concerning mobile HF whips, and learned a lot more that way than had I embarked on a mobile installation through the trial and error method.

Can't say that I spent a lot of money, since my "candy tray" is recently filled with a new Yaesu MARK-V Field transceiver, so many of you will hear me extolling the pleasures of a new HF rig on the ham bands.

Did you see KR6BT's suggestion in last month's Scope recommending an increase in PARC dues?

Do you have an opinion?

Consider the value the present \$12.00 / month regular dues bring you. Scope, excellent club programs with varied speakers on all sorts of ham related subjects, and of course, the benefit of a group of repeaters that are unparalleled in Southern California (and the rest of hamdom for that matter).

The PARC Board is *discussing the subject of dues increase* as a result of Merle's suggestion. The fact is that the current price of PARC membership was set many, many years ago. What have you seen concerning such a stable price of any service membership in other activities? The reason we are

(Continued Page 6)

Minutes

Palomar Amateur Radio Club, Inc. Board of Directors

August 14, 2002

The regular monthly meeting of the Board of Directors was called to order by NN3V at 7:09 PM on August 14, 2002, at the home of KB6NMK, Jo.

Present were:

President	Charles Ristorcelli, NN3V	Repeater Technical Chairman	Mike Doyle, AB6QT
Vice President	Mark Raptis, KF6WTN	Membership Chairman	Al Donlevy, W6GNI
Secretary	Paul Williamson, KB5MU	Visitor/Club Assets Chairman	Dennis Baca, KD6TUJ
Treasurer	Jo Ashley, KB6NMK	Visitor	Merle Risdon, KR6BT
Director #2	Jim Cooper, NE6O		

Treasurer's Report

KB6NMK circulated copies of the Treasurer's Report. **Motion** by KB5MU to approve the Treasurer's Report. **Seconded** by W6GNI. Motion **passed** unanimously. KB6NMK stated that the reimbursement for chipper rental for the July 20 site cleanup was \$176.63, slightly more than allocated.

Secretary's Report

KB5MU distributed copies of the Minutes of the July Board meeting. **Motion** by AB6QT to approve the minutes as distributed. **Seconded** by NE6O. Motion **passed** unanimously.

Repeater Use Requests

The need for an effective streamlined procedure for approving and coordinating one-time events on the repeaters was discussed. It was concluded that the Secretary will publish all incoming requests to the Board by email. If no objection is raised within three days, the Secretary will consider the re-

quest approved and notify the applicant. Requests must be received at least seven days before the event in order to receive permission for exclusive use of a repeater (that is, for a formal net). The Secretary's response to the applicant is to include a copy of the club's policies on one-time events (currently under committee study for revision).

Storage Facility

KF6WTN reported on his survey of the proposed new storage site and discussions with the owner of TOWizard, the prospective host. TOWizard is not comfortable signing a written agreement, because of a possible conflict with terms of its own lease on the property.

KF6WTN and KR6BT provided pricing information on both purchasing new cargo containers and moving the old one. Based on cost considerations, it was decided that the old cargo container will be moved to the new site, and not offered for sale in place to W9FQN. A visit to the old cargo container was tentatively

scheduled for September 4, to evaluate the current contents of the cargo container and perhaps dispose of a load of surplus equipment we expect to find there.

A goal was set to move the cargo container by the end of September. This would permit the Field Day equipment to be cleared out of its temporary locations by the end of October, somewhat later than promised. NN3V agreed to contact the members who are temporarily storing the equipment to ask for an extension.

Fire Clearance at the Repeater Site

AB6QT reported that the July 20 work party made good progress on clearing the Palomar Mountain repeater site for fire safety. Another full day's session is needed to complete the task. AB6QT agreed to write a note thanking AD6VI and MARA for providing over half of the work crew.

TASMA

NE6O reported on attending the recent meeting of the Two-Meter Area Spectrum Management Asso-

Last Month's Fold & Staple Crew

KR6BT Merle **K6ML** Jim P
WA5ACE Sonny **KB6NMK** Jo
N6UZH Terri **W6GNI** Al
W6YOO Harry

Treasurer \$\$\$,\$\$\$

Jo Ashley **KB6NMK@amsat.org**

ASSETS

Cash and Bank Accounts
 CD \$2,564.51
 CD \$2,720.95
 CD \$2,684.04
 CD \$3,266.94
 Checking \$4,883.02
 Post Office \$ 93.85
TOTAL ASSETS \$16,213.31

LIABILITIES

Pre-paid dues \$10,856.00
 Prop. Insurance \$ 600.00
TOTAL LIABILITIES \$11,456.00
EQUITY \$ 4,757.31

TOTAL LIABILITIES & EQUITY

16213.31

Web Pages

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

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

ARES Alert Publication
<http://www.qsl.net/sdgarri/alert.htm>

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

ciation (TASMA) in Mission Viejo. TASMA has two proposed band plans currently on the table, including a controversial one requiring 15 kHz channel spacing. NE6O recommends that the club and as many individual club members as possible become involved

PARC Pre-Meeting Meeting

All PARC members, and any hams planning to attend the PARC meeting, are invited to congregate early in the Carlsbad area and enjoy dinner with the many meeting attendees who relax and enjoy socializing before the PARC meeting. Listen to the 146.730 MHz repeater starting around 5:00 PM, and you will hear members driving to various restaurants for dinner, and an "eye ball" with fellow hams. **A GREAT WAY TO ENJOY THE HOBBY!** See you there.

PARC Testing

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

Contact Rusty **AA6OM**
760-747-5872 or **dunedancer@cox.net**

EARS Testing

Escondido - LAST Saturday at 9:00 am
 Chamber of Commerce
 720 N.Broadway, Esc 92025

Contact Harry **W6YOO**
760-743-4212 or **W6YOO@amsat.org**

Register 5-7 days in advance for tests.

in TASMA deliberations. TASMA rules allow any individual licensed for 2m operation to join for \$10/year, but new members cannot vote until 45 days after joining. Amateur radio groups can also join for the same fee. The definition of an amateur radio group is very loose. **Motion** by NE6O that the club join TASMA and appoint NE6O as delegate. **Seconded** by KB5MU. AB6QT consulted his records and pointed out that the club is

P.A.R.C. Inc (2002 Board)

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

VP: Mark Raptis **KF6WTN**
 760.749.4825 **KF6WTN@amsat.org**

Sec: Paul Williamson **KB5MU**
 858.571.8585 **KB5MU@amsat.org**
 760.742-9924 Palomar Mt.

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

Dir#1: Paul DeCicco **NN6X**
 619-595.0500 **NN6X@amsat.org**

Dir#2: Jim Cooper **NE6O**
 760-727-8446 **NE6O@amsat.org**

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

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

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

New Members:
 Mike McMahan **KG6JMP**
 760.207.9544 **KG6JMP@amsat.org**

Repeater Status 12.16.01

146.730+ : **Normal**
 147.075- : **Normal**
 147.130- : **Normal**
 447.000- : **Normal**
 52.680 : **Normal**
 146.700- : Packet Repeater **Normal**
 145.050 : Packet Digi **Normal**
 PALBBS : Bulletin Board **Normal**
 AutoPatch : **Normal**
 ATV : **Operational**

already a member of TASMA, and that AB6QT is designated as delegate. The motion was withdrawn.

Palomar Road Adjustment and Water Line

AB6QT reported for KD6VHI that the club's neighbor on the

Committee Chairmen

ARESinfo.	-Dennis S	K7DCG@amsat.org
Attendance	-Al	W6GNI@amsat.org
ATV	-Bill S	KB6MCU W6GIC@amsat.org
Auction	-Jim C.	NE6O@amsat.org
Badges new	-Al	W6GNI@amsat.org
Batteries	-David	KD6EBY DAT@Gerry.Palomar.caltech.edu
BBS Monitor	-Bill B	N6FMK@amsat.org
Billing:Ads/etc	-Lyell K	K6GVM@arrl.net
By-laws	-Paul	NN6X@amsat.org
&	-Ron	RWA9JCL r3mb@concentric.net
Contest Info	-Dennis V	N6KI@amsat.org
ControlOps.	-filled	W6NWG@amsat.org
D.Mar Fair-		
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	W6YOO@amsat.org
DennisV	-N6KI	N6KI@amsat.org
Field Day	-Charlie R	NN3V@ARRL.net
FDTech.	-John K	WB6IQS@Juno.com
Historian	-	
Interference	-Bill S	KB6MCU W6GIC@amsat.org
Inventory	-Dennis B	KD6TJ@juno.com
MtgGoodies	-Jim E	W6SST@juno.com
Membership	-Al W6GNI	aldonlevy@juno.com
Nets	-	
Newsletter	-Ron S	NA6RS@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-	
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-Paul D	NN6X@amsat.org
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-Charlie R	NN3V@ARRL.net
Publicity	-Fred S	K6ISS@amsat.org
QSL Cards	-Merle R	KR6BT@Juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag	-	W6HCD NashWilliams@Compuserve.com
Rptr Site	-Mike P	KD6VHI@amsat.org
Rptr Skeds	-	
SANDARC	-	
SellerTable	-John K	WB6IQS@Juno.com
AstSWDivDir	-	
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M,	DuneDancer@cox.net
Training	-	W6NWG@amsat.org
TrusteeW6NWG-Mike D		AB6QT@amsat.org
Web Site	-	

(Net Managers) (see pg.12)

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

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

mountain has proposed an exchange of favors. He wants to round off the corner of the access road to his house to provide easier access in the snow and for firefighting equipment. This road adjustment would cut onto club property. This corner of the property is beneath SDG&E power lines, so it is unlikely that the club would ever do much with it anyway. In exchange, he proposes to install a 4-inch water line and standpipe ("fire plug") on our property, which would be useful in firefighting. We have always had a water share with the Palomar Mountain Mutual Water Company, but no actual access to water on the site. The club's Real Property Manager and Site Manager will continue negotiations.

It is also rumored that the neighbors may get together to widen and improve the road in general. Much of the road is on club property, even though it isn't supposed to be. It is hoped that any major road project would correct this error.

Membership Report

W6GNI reported that the club membership declined from 511 to 483 in July because of membership expirations.

Repeater Technical Report

AB6QT reported that he has completed the repeater controller simulator to be used for control operator training. It was agreed that control operator training would be held during the first half-hour of the regular Board meeting time, at 7:00 PM on September 11.

There continue to be issues with frequency mixes between our repeaters and one of the guest repeaters hosted at the Palomar Mountain site. NN3V agreed to write a letter to the operator of the guest machine asking for his prompt cooperation.

AB6QT reported that he took the

147.075 MHz repeater to his home, repaired two definite problems, and returned it to the site. Since then it has developed a new serious problem with transmitter frequency drift, so he has again taken the repeater down and hopes to have the problem solved within a few days.

Special Service Club Status

KB5MU displayed a letter received from the ARRL. The letter notes that the club's status as a designated Special Service Club expired in December 2000, and invites the club to renew its status by filling out a form on ARRL's web site. KF6WTN agreed to review the form.

Water Company Proxy

KB6NMK displayed a letter from the Palomar Mountain Mutual Water Company asking the club to designate a voting proxy if it could not attend its regular meeting on September 2 (Labor Day). The request was referred to the club's Real Property Manager, K6WJH.

Availability of Prepaid Dues

KR6BT noted that the Treasurer's Report shows over \$10,000 in prepaid dues, and asked how much of that money is committed for member services. It was explained that in theory all of that money was reserved, to be released to the general fund on a monthly pro rata basis. In a typical month, a little less is spent on routine services than had been released from the prepaid dues fund for that month. KR6BT stated that he would like to propose spend-

ing some money on projects to promote the club and amateur radio, such as placing QST magazine in many public libraries and stocking a single designated library with a whole collection of amateur radio publications.

Next Board Meeting

The September Board meeting will be held at the home of KB6NMK, on Wednesday September 11, 2002, after the control operator training which begins at 7:00 PM.

Adjournment

The meeting was adjourned at 9:00 PM.

Respectfully Submitted,

Paul Williamson, KB5MU

Secretary

Jeff N6FRW

Grace N6WPA

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Work Parties

7/24/02, Mike, KD6VHI and Steve, KD6ZST cut hole in block building to the charging hut and cemented in a 6 inch piece of conduit.

7/27/02, Mike, KD6VHI, placed battery support brackets on the new battery stands in the block building and painted same.

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Contest Corral

Sep 7 All Asian DX Contest, SSB
 Sep 8 NA CW Sprint Contest
 Sep 14 WAE DX Contest, SSB
 Sep 14 ARRL VHF QSO Party
 Sep 15 NA SSB Sprint Contest
 Sep 21 ARRL 10GHz Cumulative Contest
 Sep 21 Scandanavian CW Contest
 Sep 28 Scandanavian SSB Contest
 Sep 28 AL, LA, & TX QSO Parties
 Oct 5 QCWA QSO Party
 Oct 5 California QSO Party
 Oct 5 VK/ZL Oceania Contest, SSB
 Oct 6 RSGB 21/28 MHz Contest, SSB

As the sun comes up later and goes down earlier and we enter the Fall season, major contests can be found every weekend. A huge one for us is the California QSO Party where the world tries to work each of the 58 counties in California and California stations try to work each of the 50 states and all 8 Canadian provinces. See QST, CQ, NCJ and Worldradio magazines for rules. CU in the Contest!

73, Harry, W6YOO

7/30/02, Mike, KD6VHI made measurements and built hinges for switching fuse blocks to be used in charging hut.

8/14/02 Mike, KD6VHI and Steve, KD6VST placed positive and negative buss bars in the block building to terminate the battery and charging leads. Worked on ventilation for the charging hut.

8-14-02: Mike, KD6VHI, built two frames out of three inch channel to hold the chargers and fuse panels in the Charging Hut.

8-17-02: Mike, KD6VHI, put hinges on the fuse panels and fit

them to the new frames and painted them a beautiful gray color.

8-21-02: Mike, KD6VHI, Melody and Timmy went to the site and installed the new frames and fuse panels in the charging hut. We also installed a charger and wired the output to the battery buss bars in the block building. The weather was great. The red ants were out in force and got me twice. War has been declared. The sprayer will be with me on my next visit to the site.

73, Mike KD6VHI

Repeater Status

147.075 STATUS: The repeater went back on the air on AUG. 19th after a semi-major overhaul. A bad connection was found (cold solder joint) in the P.A. between the 10 watt amp and the finals which was causing the transmitter to work very intermittently over the course of the past year or so. This one has been an ongoing HUNT, which I am happy to report on finally. There were some other problems which were related to a fatigued solder joint somewhere around the receiver channel element causing the receiver frequency to drift up and down sporadically.

Another problem was caused when the technician who was working on it (yours truly), made the mistake of mounting the switching power supply too close to the transceiver and all kinds of signals were trading places between the power supply, the transmitter, and the receiver and who knows what else?/? All is finally well with the .075 (I hope). I encourage you to use it so that it will show ACTIVITY on the air. This is especially important since this one has been off the air so long. If you have any problems, please email me at ab6qt@amsat.org.

73, de AB6QT

(Presidents Message Cont.)

looking at this is that the cost of maintaining our capabilities, land maintenance at the repeater site (remember: PARC **owns it's land!**), mail costs, etc. have been rising for a long time. We are looking at our finances to make sure we remain a viable club, giving you the services you expect. Do you have an opinion? Make it known! **This is your**

Club! You can reach us via email, snail mail, verbally (on the repeaters or at the Club meetings).

See you at the picnic?

73 de NN3V

New Members Joining PARC:

**KG6MCZ, KG6JMZ, KG6LVR,
KG6MDJ, K6DVL, KN6PR,
KG6KLH, KF6GAG, and
KG6FQR**

When you hear these calls on a

repeater, be sure to greet our new members. These folks joined in July. We run one month behind on listing our new members! In addition, **KQ6LA** renewed for 5 years.

Please encourage your ham friends to join the club. We are way way down in membership from a few years back when we had over 800 members. Now, we are down below 500, and there are more hams in the area than ever before. The cell phones and the internet no doubt compete for a persons time and interest, but person to person interchange in the club is better than internet "chat rooms" where one never really knows who or what you are chatting with. In an emergency situation, it has been demonstrated time and time again, the amateur autopatch system works when others fail. Our autopatch equipment is only available to members.

A recent review of our membership shows the following:

Years Membership Remaining	Number
9	2
8	3
6	1
5	7
4	4
3	17
2	57
1 or less	282

This shows that 35% of our renewals are for 2 or more years. Thanks!
de AI, W6GNI

ARRL Convention



Many local hams gathered at the Escondido Centre for the Arts on August 16th., 17th., and 18th. to enjoy all the new toys, gadgets, and forums. Among the stars was our own local chapter for the **I.O.O.K.** — known to the world as the **International Order Of Krazies**.

The I.O.O.K. made its appearance at the ARRL Convention on Saturday, the 17th., wearing their corporate sponsorship in spite of good taste, as proof by this picture. Boys will be boys. On the serious side, many thanks to all of those who helped out with the setup and planning that goes

into an event like this. I'm sure many hours were spent many months before. And let's not forget our own Harry Hodges, W6YOO, who gave a special forum on IOTA. The word I received was that it was very interesting and very well attended. Keep up the good work guys. Local events do not happen unless many souls devote their time and efforts to make it happen. We need to get more involved as a club. Be it ARES, RACES, or local community events — **get involved**. There should be many more names on our work parties, goodie givers list, and of course, our meetings and its setup. We need people who

have items and talents to share. What is simple to some could be complex to others.

Won't you help?

Your Editor,

Ron, NA6RS

For Sale

(8.20) HP Logic analyzer model 1631D With Manual.

MAKE OFFER Call AB6QT Mike after 5 pm at 760-742-1573 or email at AB6QT@amsat.org.

PARC Equipment: **Heathkit CW keyers**, HD-10 and HD-1410 w/ manuals \$20 each, **MFJ-901B Versatuner** \$25, **Palomar PT-340 Tuner** (noise bridge) \$15, **B&W 2 position SO-239 coax. switch** \$10, **Plantronics telephone headset/microphone** \$10, **ARRL Handbook 1993** \$5, 10/11 Mtr **Midland CB type antenna tuner** \$5, Ohmite **resistors assort.** drawers, 2 each \$5, **ARRL CW code tapes** \$2. All recent donations to PARC, all prices negotiable and will accept more if offered, WB6IQS, John 760-727-3876 or e-mail at WB6IQS@juno.com

(7.18) **Stationary pedal bike** (made in Finland) for the exercising, training and/or heart therapy. Adj for pedalling resistance, speedometer and revolution counter, ribbon gauge, 0-60 timer, manual and more. Like new. \$125
WA6DOC Mark 760.945-1367
O'side gomark@juno.com

(7.4) **Bearcat 235** trunktracker \$100, **Bearcat 245** w/comp cable \$150, box, manual. **Bearcat III--8 ch. crystal scanner--\$20.**
Steve KO6ET@Juno.com

(7.2) **SWL Receiver**, Panasonic Mod #RF4800, 1.6-31 mhz + FM 88-108 **Digital Freq Counter** \$100, **Hallicrafter Mod SKI I** Communication Receiver,

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(6.10) **Fluke 77 Multimeter** Analog/Digital, W/manual \$85, **B&W Low Pass Filter**, \$20, **Waters Dummy Load-Wattmeter**, 15-50-300-1500w \$85, **QST 1976-2000** Make Offer, Kris W6KTE 760-941-3555

(5.20) **Sears Window Air Conditioner** like new - \$200, MAC Performa 6400/180, scanner, trackball NEC Monitor - \$450 Junk PC 133 MHz (works) No case, NEC Monitor, CD ROM Burner, SCSI Bus - Best Offer, Rod AC6V 760-945-6050 or ac6v@amsat.org

(4.17) **ADI-Pryme PR-222** 5-watt HT for 220MHz. With rapid charger, box, and manual. Use this tiny HT throughout California on the Condor system. Asking \$165. Dave KF6XA 909-677-2446 or kf6xa@qsl.net

(4.6) **ICOM 1271A**, 1.2Ghz w/ ATV and AG-preamp. \$1000.00, **ICOM 471A** 420-450Mhz, \$350.00
Steve at KO6ET@Juno.com

(3.18) **KENWOOD TS 530S** Transceiver, 160 thur. 10 meters, manuals and mike. In good condition. \$450 Bob K3DLC 858 278 4864 or hurwi7@aol.com

(3.18) W6NFB Estate Sale, **Kenwood TS 450 AT**, **Astron RS 35A Power Supply. Mic. and Dummy Load.** \$500, **ALFA 78A KW** + Amplifier. \$500 Universal Aluminum Free Standing **40 foot Tower** with Rotor, Beam, Vertical and Coax. \$275, **Drake SPR-4** Communications Receiver \$25, (needs work) Contact: Wayne in Vista 760 - 724 - 0777

(2.18) **KLM 34A Antenna**, 2 yrs. Since complete rebuild, replaced with newer model \$100, **17 mtr. Beam**, \$25, **Mosley PRO 57**, 5 band beam, \$50, Estate sale for N6SMB, **300W Dummy Load**, \$20, Ron , na6rs@amsat.org or 760-822-5170

(2.18) **ICOM IC 271A** 2 Meters All mode transceiver w/built-in Icom P.S. and pre-amp. \$300 **ICOM IC 471A** 400 MHz. All mode w/built-in P.S., one owner \$300, **TE POWER AMP** model 1412G 0-30 IN, 160w. Out. W/pre-amp. \$150 3 CDR Rotors, light and heavy duty, make offer. Bayard K6GAO 858-755-5507 or e-mail rehkopf@mail.sdsu.edu.

(12.11) **CW KEYER MFJ-401D** less than year old includes pwr adapter & manual \$35: Bernie N6FN 760-781-5522Wk, 760-746-7411Hm.

(12.11) Calrad SR-16 SWR bridge \$10: Ruth 760-727-3178 Vista.

(continued Page 9)

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Monday	915	146.730	RACES Sub-Net
Monday	2100	146.730	Microwave Net
Tuesday	2100	146.730	Off-Road Net
2nd Wed	100	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
Saturday	2015	147.130	ARES Staff Net
Tue/Thu/Sat	2000	146.730	NTS Traffic Net (SDCTN)
Nightly	>2200	147.130	Facetious Group

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WANTED:

WANTED: 432 MHz yagi, about 11 elements. Also, all-mode rig or transverter for 222. Dave kf6xa@qsl.net or 909-677-2446

(11.20)**Ten-Tec HF Corsair** 80-10m w/pwr sup \$300; **Kantronics KAM** + cables, Hostmaster II + Pactor \$100; **Yaesu FT227R** 2m Memorizer \$30; **Icom IC25H** \$30;

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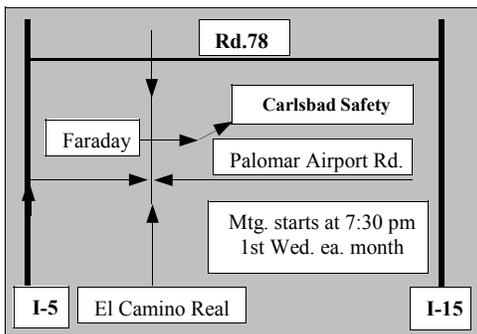
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Scope (USPS #076530) Vol. XXVIII No. 9, Sep. 2002, published monthly by PARC
1651 Mesa Verde Dr., Vista, CA, 92084. *Periodicals postage pd. at Vista, CA 92085.*
Dues \$12/yr or \$21/family/yr (includes newsletter subscription)

Editor: Ron Surfield NA6RS, 2605 Emerald Pl., Escondido CA 92027
Scope address for newsletter: scope@palomararc.org



Send \$12 Dues To:
PARC, P.O. Box 73
Vista CA 92085-0073



Palomar Amateur Radio Club

October 2002

October Meeting

Meeting will be at the Carlsbad Safety Center on Oct. 2, 2002 starting at 5:30 pm.

Annual Auction

Bring Stuff and Money

PARC Repeaters

Palomar Mt. Repeaters (W6NWG)

PARC Trustee: **AB6QT**

***52.680**- W6NWG, -0.5 MHz.

Autopatches:

146.730-, ***147.075**+

* **147.130**+, ***447.000**-

PKT:

145.050s (PALMAR/W6NWG-1)

146.700- (Duplex Pkt) PALBBS/
EMG use

145.070/146.7 - (W6NWG-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

Imagine that. "Fall Back" is almost here, and only 85 shopping days left to Christmas!

Have you made a list, checked it twice, and let it be known to the "elves" that this year, you need no "traditional presents"? They must be ham related?

Of course, as the fall season arrives, PARC celebrates with several well-established traditions, beginning with the PARC picnic, just completed, and which was a lot of fun. Thank you phantom picnic maker (NN6X)!

And, as the guy who blew it last month, I apologize to the readers for getting the picnic location wrong in last month's President's column. I've whipped myself with a wet noodle, and promise that I will check more carefully when using this column to announce things associated with places and events!

As you will hear at this month's meeting, the PARC election nominating committee is in session. This year the committee is composed of WN6K/Paul, K6GO/Gayle, KC6UQH/Art, KD6TUJ/Dennis, and AC6V/Rod. They will consider recommendations for nominees to the elected positions in PARC, will assess the membership and who they believe may fill the elected

positions, and present a slate of nominees at the November meeting. PARC members may nominate additional candidates, and elections will take place in December.

Our election committee assures us that "chad" is not involved in this process!

The next tradition to be observed shortly is the celebrated PARC auction!

Are you ready to have fun? Elsewhere in this edition of Scope you will find all the details of the October Auction meeting. I for one am looking forward to an evening of great fun and laughter as we've always enjoyed the insuperable auction skills of KC6UQH, and find bargains a-plenty in the meeting hall. Come early so you can drool over the goodies!

Last but not least, a bit of humor from the PARC repeaters.

Was listening to one of our staunchest "New Ham Elmers" talking about conversations he'd had with his "young licensee".

Seems an agreement had been struck requiring the new licensee to listen to some amount of code, on HF, every evening. "Elmer", after not speaking

(Continued Page 3)

Minutes

Palomar Amateur Radio Club, Inc. Board of Directors

September 11, 2002

The regular monthly meeting of the Board of Directors was called to order by NN3V at 7:24 PM on September 11, 2002, at the home of KB6NMK, following a training session for new control operators.

Present were:

President Charles Ristorcelli, NN3V	Repeater Technical Chairman Mike Doyle, AB6QT
Vice President Mark Raptis, KF6WTN	Repeater Site Chairman Mike Pennington, KD6VHI
Treasurer Jo Ashley, KB6NMK	Visitor/Club Assets Chairman Dennis Baca, KD6TUJ
Secretary Paul Williamson, KB5MU	
Director #1 Paul DeCicco, NN6X	
Director #2 Jim Cooper, NE6O	

Treasurer's Report

KB6NMK circulated copies of the Treasurer's Report. Motion by KB5MU to approve the Treasurer's Report. Seconded by KF6WTN. Motion passed unanimously.

Secretary's Report

KB5MU stated that the minutes of the August Board meeting were as published via email. Motion by AB6QT to approve the minutes as published. Seconded by KD6VHI. Motion passed, with KB6NMK abstaining.

Repeater Control Operators

AB6QT had conducted training for new control operators NN3V, KF6WTN, and KB6NMK before the board meeting. NN3V asked how difficult it would be to pro-

gram new control codes if necessary. AB6QT stated that it would be very difficult. KF6WTN stated that he had all the necessary equipment and expertise and would be willing to do it.

Annual Club Picnic

Ex-officio picnic chairman NN6X reported that the picnic would be held at Ventura Cove off of West Mission Bay Drive, at 11 AM on September 29. KF6WTN will be able to provide AC power from a generator at the Roadkill Café. No permit is required since we expect fewer than 75 people. NN6X scouted the location and predicts that there will be plenty of space available.

KB6NMK relayed a concern from W6YOO that the September Scope listed the location incorrectly as Dixon Lake. KB6NMK stated that a one-page

special mailing to in-town club members would cost less than \$50 for postage, and volunteered to take care of folding and labeling. Motion by KF6WTN to make a one-page special mailing to in-town members, to include a detailed invitation to the picnic with a map and a mention of the annual auction at the October meeting. Seconded by NE6O. Motion passed unanimously. KF6WTN and NN6X agreed to work together to draft the mailer.

Meeting Programs

KF6WTN reported that the October meeting would be the annual auction, the November meeting was still TBD, and the December meeting would be the traditional holiday social. Several possibilities are in the works for November.

(Continued Page 4)

Last Month's Fold & Staple Crew

KR6BT Merle	K6ML Jim P
WA5ACE Sonny	KB6NMK Jo
N6UZH Terri & Mathew	W6YOO Harry
W6GNI Al & Kathy	KG6AEW Bill
KB6YHY Anita	KB6YZH Art

Treasurer \$\$\$\$\$

Jo Ashley **KB6NMK@amsat.org**

ASSETS

Cash and Bank Accounts	
CD	\$2,573.59
CD	\$2,730.82
CD	\$2,702.78
CD	\$3,280.51
Checking	\$4,686.32
Post Office	\$93.85
TOTAL ASSETS	\$16,067.87

LIABILITIES

Pre-paid dues	\$10,908.00
Prop. Insurance	\$ 600.00
TOTAL LIABILITIES	\$11,508.00
EQUITY	\$ 4,559.87

TOTAL LIABILITIES & EQUITY

\$16,067.87

Web Pages

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

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

ARES Alert Publication
<http://www.qsl.net/sdgarri/alert.htm>

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

with the new licensee for some time, caught him on the repeater and asked how the code monitoring was progressing. The new licensee demurred for a couple of rounds on the repeater, and fi-

PARC Pre-Meeting Meeting

All PARC members, and any hams planning to attend the PARC meeting, are invited to congregate early in the Carlsbad area and enjoy dinner with the many meeting attendees who relax and enjoy socializing before the PARC meeting. Listen to the 146.730 MHz repeater starting around 5:00 PM, and you will hear members driving to various restaurants for dinner, and an "eye ball" with fellow hams. **A GREAT WAY TO ENJOY THE HOBBY!** See you there.

PARC Testing

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

Contact Rusty **AA6OM**
760-747-5872 or **dunedancer@cox.net**

EARS Testing

Escondido - LAST Saturday at 9:00 am
Chamber of Commerce
720 N. Broadway, Esc 92025

Contact Harry **W6YOO**
760-743-4212 or **W6YOO@amsat.org**

Register 5-7 days in advance for tests.

nally "Elmer" asked: "So what happened to keep you from listening to the code on HF?" The young licensee answered: "My dog chewed the coax to the HF rig"! :=))

73 de NN3V

Work Party

09-14-02 Twenty four batteries arrived at the site and were

P.A.R.C. Inc (2002 Board)

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

VP: Mark Raptis **KF6WTN**
760.749.4825 KF6WTN@amsat.org

Sec: Paul Williamson **KB5MU**
858.571.8585 KB5MU@amsat.org
760.742-9924 Palomar Mt.

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

Dir#1: Paul DeCicco **NN6X**
619-595.0500 NN6X@amsat.org

Dir#2: Jim Cooper **NE6O**
760-727-8446 NE6O@amsat.org

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

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

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

New Members: (Non Voting)
Mike McMahon **KG6JMP**
760.207.9544 KG6JMP@amsat.org

Repeater Status 12.16.01

146.730+	: Normal
147.075-	: Normal
147.130-	: Normal
447.000-	: Normal
52.680	: Normal
146.700-	: Packet Repeater Normal
145.050	: Packet Digi Normal
PALBBS	: Bulletin Board Normal
AutoPatch	: Normal
ATV	: Operational

placed on the battery racks with much effort. All went well thanks to the hard work by Dave, KD6EBY; Jim, NE6O; Mark, KFTWTN; Paul, KB5MU; and Steve, KD6ZST. Thanks again for a job well done.

de Mike, KD6VHI

Committee Chairmen

AREInfo.	-Dennis S	K7DCG@amsat.org
Attendance	-Al	W6GNI@amsat.org
ATV	-Bill S	KB6MCU W6GIC@amsat.org
Auction	-Jim C.	NE6O@amsat.org
Badges new	-Al	W6GNI@amsat.org
Batteries	-David	KD6EBY DAT@Gerry.Palomar.caltech.edu
BBS Monitor	-Bill B	N6FMK@amsat.org
Billing:Ads/etc	-Lyell K	K6GVM@arrl.net
By-laws	-Paul	NN6X@amsat.org
&	-Ron	RWA9JCL r3mb@concentric.net
Contest Info	-Dennis V	N6KI@amsat.org
ControlOps.	-filled	W6NWG@amsat.org
D.Mar Fair-		
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	W6YOO@amsat.org
DennisV	-N6KI	N6KI@amsat.org
Field Day	-Charlie R	NN3V@ARRL.net
FDTech.	-John K	WB6IQS@Juno.com
Historian	-	
Interference	-Bill S	KB6MCU W6GIC@amsat.org
Inventory	-Dennis B	KD6TUJ@juno.com
MtgGoodies	-Jim E	W6SST@juno.com
Membership	-Al W6GNI	aldonlevy@juno.com
Nets	-	
Newsletter	-Ron S	NA6RS@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-	
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-Paul D	NN6X@amsat.org
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-Charlie R	NN3V@ARRL.net
Publicity	-Fred S	K6ISS@amsat.org
QSL Cards	-Merle R	KR6BT@Juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag	-	W6HCD NashWilliams@Compuserve.com
Rptr Site	-Mike P	KD6VHI@amsat.org
Rptr Skeds	-	
SANDARC	-	
SellerTable	-John K	WB6IQS@Juno.com
AstSWDvDir	-	
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M,	DuneDancer@cox.net
Training	-	W6NWG@amsat.org
TrusteeW6NWG-Mike D		AB6QT@amsat.org
Web Site	-	

(Net Managers) (see pg.12)

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

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

Membership Report

W6GNI had reported by email that the club has 481 members.

Repeater Technical Report

AB6QT reported that he and KD6VHI visited W9FQN's home and hauled away a significant amount of material, mostly junk. The Board applauded. AB6QT stated that KD6TUJ was planning a similar trip next week, and the Board applauded again.

Repeater Site Report

KD6VHI reported that fuse panels and power distribution had been installed at the site, as reported in the September Scope. Now the chargers are also in place, and the actual batteries will be installed by a work party on Saturday September 14.

NN3V asked if there were plans to resume a schedule of open-invitation weekend work parties at the repeater site. AB6QT stated that there were no plans for this year, due to the nature of the projects underway, but that weekend work parties would likely resume next year.

Nominating Committee

NN3V noted that he is required to appoint a nominating committee at the October general meeting. There was some discussion of possible committee members.

Newspaper Announcements

KB6NMK relayed from W6YOO an offer from an editor at the North County Times offering to publish regular club meeting announcements for the club. Someone from the club will have to call (or email?) each month.

Equipment Storage

KD6VHI reported that he had the backup towers for the repeater site stored at his home, and that he would keep them there as Repeater Site Chairman.

KD6TUI reported that he is planning a run to W9FQN's home September 18 or 19 to move the rest of the antennas stored outside to his home or to the TOWizard yard. He stated that about half of the stuff has now been removed from W9FQN's home.

KD6TUI stated that he intends to get some additional price quotes on moving the cargo container. He expects the cost to be around \$500, and not more than \$750. Motion by KF6WTN to allocate up to \$750 to KD6TUI for the purpose of moving the cargo container from W9FQN's home to the TOWizard yard. Seconded by AB6QT. KB6NMK suggested increasing the amount to \$800, for a buffer, and the modification was accepted by KF6WTN and AB6QT. Motion approved unanimously.

NN3V reminded the Board of its promise to WN6K to remove the equipment temporarily stored at his home. KF6WTN agreed to take care of removing the equipment from WN6K's home by the weekend.

Tube Collection

KB6NMK reported that she had heard from a widow who would like to donate a collection of vacuum tubes to the club, and who requests assistance in disposing of other radio equip-

ment. KB6NMK and KD6TUI agreed to follow up.

KF6WTN pointed out that a collection of approximately 4000 tubes exists in the club's cargo container. KB5MU suggested that a call be issued for a volunteer to manage the tube bank for club members, or, failing that, a volunteer to dispose of the tubes on eBay.

Rotator Repairs

NN6X stated that some of the antenna rotator control boxes need to be repaired before next Field Day. NN3V agreed to consult with WB6IQS about doing the repairs.

Annual Auction

Ex-officio auction chairman NE6O stated that preparations for the auction were under control. WB6PKK will again assist with the paperwork, and KC6UQH will again serve as

Jeff N6FRW

Grace N6WPA

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e-mail: nicdlady@nicdlady.com

auctioneer.

KB5MU pointed out that at last year's auction a few sellers were very unhappy about not being allowed to sell as many items as they had brought. Despite this limitation, there were so many items that the auction ran very late. A number of possible solutions were discussed. KF6WTN suggested that each seller be limited to a fixed number of

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Contest Corral

Oct 5 CA QSO Party
 Oct 5 QCWA QSO Party
 Oct 5 VK/ZL Oceania SSB Contest
 Oct 6 RSGB 21/28 MHz SSB Contest
 Oct 10 10-10 Int'l Net Day Sprint
 Oct 12 PA QSO Party
 Oct 12 VK/ZL Oceania CW Contest
 Oct 20 RSGB 21/28 MHz CW Contest
 Oct 20 IL QSO Party
 Oct 26 CQ WW SSB DX Contest
 Nov 2 ARRL Sweepstakes, CW
 Nov 8 Japan Int'l DX Contest, SSB

Three state QSO parties for the WAS chasers with CA being the REALLY BIG one: CA works the world while everyone works CA. The super contest of the month is the CQ Worldwide SSB with about 50,000 contestants. So if you really want to work DX, this is it. Contest rules may be found in QST, CQ, NCJ, and Worldradio. CU in the contest. 73, Harry

tagged lots for sale. KB5MU stated that the rules should be very clear and widely published in advance. NE6O led a discussion of an earlier timeline for setup, definite cutoff times for sellers, and separating buyers from sellers until setup was mostly complete. NE6O will publish final rules in the October Scope and on the club web page.

Dues Increase

NN6X raised the issue of a possible dues increase, but time did not permit a renewed discussion of the issue.

Next Board Meeting

The October Board meeting will be held at the home of NE6O, on

Wednesday October 9, 2002, at 7:00 PM.

Adjournment

The meeting was adjourned at 9:03 PM.

Respectfully Submitted,

Paul Williamson, KB5MU
 Secretary

Scope Auction

The Annual Palomar Amateur Radio Club Auction will be held Wednesday, October 2, 2002 at the Carlsbad Safety Center. The auction will start at 7 pm. This is a half hour

earlier than the usual start time so lots of good stuff can be auctioned.

The auction rules and times are similar to last year's. They are:

1) 5:30pm to 6:30pm: sellers sign-in, tag equipment. Bring your stuff early.

2) 6:30pm to 7:00 pm: equipment viewing. 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!) Get your buyer's number at this time.

3) 7:00 pm to ??pm: THE AUCTION !!!

4) PARC receives 10% of the sale price and there is no other fee for buyers and sellers. Donations to P A R C a r e a c c e p t e d .

5) All monies are paid to PARC.

6) Seller (s) may set a written minimum bid on their items.

7) Seller is responsible for removing any items not sold.

8) PARC does not guarantee the condition of any items sold.

9) You don't have to be a PARC member to participate in the Auction, so invite your friends to join in on the fun.

10) Sellers will not be paid their money until all monies have been collected that evening so bring a SASE (Self Addressed Stamped Envelope) if you want the check mailed to you the next day ... or pick it up at

the next club meeting.

11) The order of auction shall be determined solely by the auctioneer.

PARC assumes no responsibility for items you place on the table so make sure they are well marked with you call and watch the small items.

Please come early and help set up tables and chairs ... and STAY a few minutes to help put them away. Your help is greatly appreciated.

73, Jim Cooper NE6O
ne6o@amsat.org

home: 760-727-8446
work: 760-930-7242

Silent Key K7MO

N6NAU reported that long time member, and one of PARC's original founders, Bill Jago, K7MO, is no longer reading the Scope. His presence with the club will be missed by those who knew him. Our prayers go out to his family and friends.

Club Membership

More New Members Joining PARC:

KG6MGF, KG6MON, Richard Kalkofen (no call yet)

When you hear these calls on a repeater, be sure to greet our new

Statement of Ownership, Management, and Circulation (From PS Form 3526)

1. SCOPE 2. 0765-30 3. 9/25/02
4. Monthly 5. 12 6. \$3
7. Al Donlevy 1651 Mesa Verde Dr.
Vista CA 92084
8. Palomar Amateur Radio Club
9. Al Donlevy 1651 Mesa Verde Dr.
Vista, CA 92084
Editor Ron Sufield 2605 Emerald Pl
Escondido, CA 92027
10. Palomar Amateur Radio Club
11. None 12. No Change
13. SCOPE 14. 10/01 - 9/02
15. Copies Average 09/02 Notes
a. 491.9 460 Printed
b1. 23.0 19 PD out of Co.
b2. 439.8 411 Pd in Co
c. 462.8 430 Sum b1 + b2
d1. 3.74 Free out Co
d2. 11.8 13 Free in Co
e. 11.3 11 Extra Copies
f. 26.8 28 Sum d + e
g. 489.6 458 Sum c + f
h. 2 2 File Copies
i. 491.6 460 Sum g + h
% 94.5 93.9 c/g X 100

Printed October 2002 issue of SCOPE
Signed: A.L. Donlevy Publisher
09/25/02

given to your "proxy".
September 30, 2002, the day after the 2002 picnic, everyone is back to zero for participation points.

73 de Al, W6GNI

New Club Historian

Our good friend Stan, W9FQN, has been asked by the club to give us some history of our club. I know that I will be excited to read about it soon in an upcoming issue. How about you? If you have any information that would be useful, you can contact Stan directly and share.

Info Wanted

My brother, W7OOS, just had a pacemaker installed. I would love to talk with any of you, our members, who have had pacemaker installed and who use a linear amplifier. Please phone me at (760) 724-0049 or e mail at sstires@cox.net. Many thanks. Sonny, WA5ACE"

A Little Humor

After the christening of his baby brother in church, little Johnny sobbed all the way home in the back seat of the car. His father asked him three times what was wrong. Finally, the boy replied. "That priest said he wanted us to be brought up in a Christian home, and I want to stay with you guys!"

members.

These folks joined in July. We run one month behind on listing our new members! In addition, **KG6JZZ** renewed for 5 years, and two others reinstated their membership after an absence.

At the last club meeting, two members renewed for 10 years. Thank you!

By the time this edition of the SCOPE reaches you, the "Participation Points" for the 2002 picnic will be closed. Any **club member in good standing** that attends the picnic is automatically awarded one ticket. The most tickets anyone can receive is 20, including the one for attending the picnic. If you want someone to enter tickets for you, they must present a signed piece of paper before tickets will be

For Sale

(9.20) **Collins KWM2A**, power supply, manual and extra tubes. Where is- as is, good condition on the air, \$500.00 cash. Warren- 760} 7445097 or w6eyp@aol.com

(9.20) **Flying Horse Amateur Radio Callsign CD**, New, Make offer, Jo, KB6NMK 760-741-2560

(9.20) **Cushcraft A3S 3 element tri-band beam** for 10M, 15M and 20M. You can buy it new at HRO for \$399.95. I am selling mine used for \$150.00 complete. Delivery is available. Contact Loren (760) 724-4644 AD6ZJ@ARRL.NET

(8.20) **HP Logic analyzer model 1631D** With Manual. MAKE OFFER Call AB6QT Mike after 5 pm at 760-742-1573 or email at AB6QT@amsat.org.

(8.20) PARC Equipment: **Heathkit CW keyers**, HD-10 and HD-1410 w/ manuals \$20 each, **MFJ-901B Versatuner** \$25, **Palomar PT-340 Tuner** (noise bridge) \$15, **B&W 2 position SO-239 coax. switch** \$10, **Plantronics telephone headset/microphone** \$10, **ARRL Handbook 1993** \$5, 10/11 Mtr **Midland CB type antenna tuner** \$5, **Ohmite resistors assort.** drawers, 2 each \$5, **ARRL CW code tapes** \$2. All recent donations to PARC, all prices negotiable and will accept more if offered, **WB6IQS**, John 760-727-3876 or e-mail at **WB6IQS@juno.com**

(7.18) **Stationary pedal bike** (made in Finland) for the exercis-

***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.*

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ing, training and/or heart therapy. Adj for pedalling resistance, speedometer and revolution counter, ribbon gauge, 0-60 timer, manual and more. Like new. \$125
WA6DOC Mark 760.945-1367
O'side gomark@juno.com

(7.4) **Bearcat 235** trunktracker \$100, **Bearcat 245** w/comp cable \$150, box, manual. Bearcat III--8 ch. crystal scanner - \$20.
Steve KO6ET@Juno.com

(7.2) **SWL Receiver**, Panasonic Mod #RF4800, 1.6-31 mhz + FM 88-108 **Digital Freq Counter** \$100, **Hallicrafter Mod SKI I** Communication Receiver, 80, 40, 20, 15, 10m Double Conversion AM, CW & SSB, 14 tubes, good condition, with manual \$200, **Kawasaki GA I400 Portable Generator**, 120v 1400 watts, 12 v. 8.5 a., Like new condition. \$350, Ed, KK6GO 619-224-8948

(6.10) **Fluke 77 Multimeter** Analog/Digital, W/manual \$85, **B&W Low Pass Filter**, \$20, **Waters Dummy Load-Wattmeter**, 15-50-300-1500w \$85, **QST 1976-2000** Make Offer, Kris W6KTE 760-941-3555

(5.20) **Sears Window Air Conditioner** like new - \$200, **MAC Performa 6400/180**, scanner, trackball **NEC Monitor** - \$450
Junk PC 133 MHz (works) No case, **NEC Monitor**, **CD ROM Burner**,

SCSI Bus - Best Offer, Rod AC6V 760-945-6050 or ac6v@amsat.org

(4.17) **ADI-Pryme PR-222** 5-watt HT for 220MHz. With rapid charger, box, and manual. Use this tiny HT throughout California on the Condor system. Asking \$165. Dave KF6XA 909-677-2446 or kf6xa@qsl.net

(4.6) **ICOM 1271A**, 1.2Ghz w/ATV and AG-preamp. \$1000.00,
ICOM 471A 420 - 450 Mhz, \$350.00
Steve at KO6ET@Juno.com

(3.18) **KENWOOD TS 530S** Transceiver, 160 thur. 10 meters, manuals and mike. In good condition. \$450 Bob K3DLC 858 278 4864 or hurwi7@aol.com

(3.18) W6NFB Estate Sale, **Kenwood TS 450 AT**, **Astron RS 35A Power Supply**. **Mic. and Dummy Load**. \$500, **ALFA 78A KW** + Amplifier. \$500 **Universal Aluminum Free Standing 40 foot Tower** with Rotor, Beam, Vertical and Coax. \$275, **Drake SPR-4** Communications Receiver \$25, (needs work) Contact: Wayne in Vista 760 - 724 - 0777

(2.18) **Mosley PRO 57**, 5 band beam, \$50, Ron, NA6RS@amsat.org or 760-822-5170

(12.11) **CW KEYER MFJ-401D** less than year old includes pwr adapter & manual \$35: **Bernie N6FN** 760-781-5522Wk, 760-746-7411Hm.

(12.11) **Calrad SR-16** SWR bridge \$10: Ruth 760-727-3178 Vista.

(11.20) **Ten-Tec HF Corsair** 80-10m w/pwr sup \$300; **Kantronics**

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Sunday	0830	146.730	ARES
Sunday	1000	146.730	Sailor's Net
Sunday	2045	147.075	MARA Emergency Services
Monday	915	146.730	RACES Sub-Net
Monday	2100	146.730	Microwave Net
Tuesday	2100	146.730	Off-Road Net
2nd Wed	100	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
Saturday	2015	147.130	ARES Staff Net
Tue/Thu/Sat	2000	146.730	NTS Traffic Net (SDCTN)

maxkb7rnp@aol.com 909-696-8495.

WANTED:

432 MHz yagi, about 11 elements. Also, all-mode rig or transverter for 222. Dave kf6xa@qsl.net or 909-677-2446

Special Events

October 5, 2002 0600—1400

147.130 Repeater
146.730, 146.175 Backup
CARES Mission Bay Bike Tour
Contact Dave Mofford W7KTS
David Mofford@hotmail.com

Nov 30, 2002 1000—1200

147.130 Repeater
GWRRA annual Toys-for-Tots motorcycle ride (traffic control)
Contact James Pratt, Jr. NO8RF
NO8RF@amsat.org

KAM + cables, Hostmaster II + Pactor \$100; **Yaesu FT227R** 2m Memorizer \$30; **Icom IC25H** \$30; **Isopole** ant \$10; **G5RV** full size 80-10m new \$30; **HP Deskjet 660C** printer \$40: Max KB7RNP

Thank you Claud "Scotty" and Janet for your donations of tubes and test equipment from your repair shop. Your PARC Club.

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H
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Ron N6OMW
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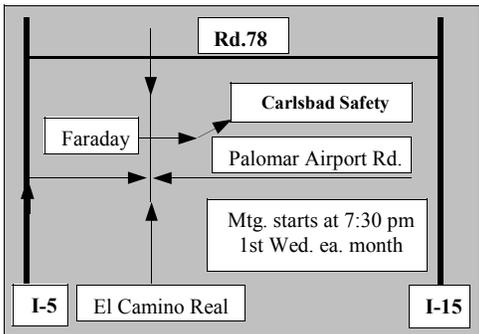
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Palomar Amateur Radio Club Inc.

Scope (USPS #076530) Vol. XXVIII No. 10, Oct. 2002, published monthly by PARC
1651 Mesa Verde Dr., Vista, CA, 92084. *Periodicals postage pd. at Vista, CA 92085.*
Dues \$12/yr or \$21/family/yr (includes newsletter subscription)

Editor: Ron Surfield NA6RS, 2605 Emerald Pl., Escondido CA 92027
Scope address for newsletter: scope@palomarc.org



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Palomar Amateur Radio Club

November 2002

President's Column

November Meeting

Meeting will be at the Carlsbad Safety Center on Nov 6, 2002 starting at 7:30 pm. The topic this month will be [DX Without Sunspots](#) by Bill, W6JAB and [Solving Mystery's Using Amateur Radio](#) with Rod, AC6V

PARC Repeaters

Palomar Mt. Repeaters (W6NWG)

PARC Trustee: AB6QT

*52.680- W6NWG, -0.5 MHz.

Autopatches:

146.730-, *147.075+

* 147.130+, *447.000-

PKT:

145.050s (PALMAR/W6NWG-1)

146.700- (Duplex Pkt) PALBBS/
EMG use

145.070/146.7 - (W6NWG-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

Happy Thanksgiving all! On behalf of the PARC Board, and with a special personal message, please accept my best wishes that you might enjoy a most peaceful family holiday. Remember to give thanks for the blessings of freedom we take for granted every day!

Speaking of Thanksgiving, imagine that we only have 53 ½ shopping days left to let the elves know about all those ham goodies we've been hoping will appear under the tree this year!

I thank NN6X, KF6WTN, AC6V, and all those who engaged in making the Club picnic such a great event this year. Mission Bay park, the weather, and the excellent turn-out certainly made for a fantastic picnic. The food was great, the Chili cook-off was fun (though some entries were not "real chili", as "real chili" has no beans ... HI HI), and by the end of the day it seemed like every person who attended walked away with either a prize, or a great time!

Remember that next month's meeting will include the annual elections for PARC officers and Board membership. This is *your club*, so make your desires known. Otherwise, you may find yourself among the vast multitude of Americans who don't know, and don't care!

Speaking of toys, some of you have commented on my "new hobby", HF mobile. The HF bands are certainly an interesting place to be when mobile operations are as simple as they are these days! For those wondering

what I am talking about, I recently finished the installation of a Yaesu FT-100D all mode rig in my car, and added the Yaesu ATAS-100 screwdriver antenna (which I enjoyed pawing over at the Southwest Convention). On top of that, to lessen the effort in noise abatement, rather than spend weeks adding capacitors, coils, shielding, etc., etc. to the car, I installed one of those "Clear Speech Speakers" people are talking about. All line noise, static, local RF interference disappeared, and I've been enjoying rag chews while driving around town with places like San Marino, Moscow, Sydney, Cape Town, Ash Flat (Arkansas), and Los Angeles! So mobile DX is alive and well, and very easy to enjoy.

Lots of comments on the repeaters frequently gravitate to the "lingo" used in ham radio. For those who may be curious, you will find a wealth of lingo terms explained at the ARRL website. Look up <http://www.arrl.org/qst/glossary.html>.

Once again, I use this bully pulpit to ask that if you are motivated, you help us think of meaningful meeting topics. *What would you like to see as a Club Meeting topic? Send suggestions to KF6WTN@amsat.org, or to board@palomararc.org*

73 de NN3V

Minutes

Palomar Amateur Radio Club, Inc. Board of Directors

October 9, 2002

The regular monthly meeting of the Board of Directors was called to order by KF6WTN at 7:43 PM on October 9, 2002, at the home of NE6O.

Present were:

Vice President	Mark Raptis, KF6WTN	Visitor/Club Assets Chairman	Dennis Baca, KD6TUJ
Treasurer	Jo Ashley, KB6NMK	Membership Chairman	Al Donlevy, W6GNI
Secretary	Paul Williamson, KB5MU	New Hams/Members Rep	Mike McMahon, KG6JMP
Director #1	Paul DeCicco, NN6X		
Director #2	Jim Cooper, NE6O		

Treasurer's Report

The Treasurer's Report was not available.

Receipts for picnic expenses totaling \$632.79 have been received, including food and prizes to supplement those donated to the club. Motion by NE6O to authorize the reimbursement of \$632.79 for picnic expenses. Seconded by W6GNI. Motion passed unanimously.

NN6X reported that the cost to repair antenna rotators for Field Day is expected to be approximately \$30 each for six units, for the parts to repair the position sensing potentiometer. Motion by KB6NMK to authorize up to \$200 for parts to fix the antenna rotators. Seconded by NN6X. Motion passed unanimously.

Secretary's Report

KB5MU stated that the minutes of the September Board meeting were as published via email. Motion by NE6O to approve the minutes as published. Seconded by W6GNI. Motion passed unanimously.

Membership Report

W6GNI had reported by email that the club has 486 members (including family members), 475 copies of the September issue of the Scope were printed, and 465 were mailed. The September Scope cost \$179.13 to print and \$55.62 to mail, or about 48.3 cents per member, or about 38 cents per member if advertising revenue is taken into account.

Equipment Storage

KD6VHI reported that he had received a bid of only \$96/hour to move the cargo container. He estimates two more trips to

W9FQN's home to finish moving all the club property, exclusive of the camper, the cargo container, and its contents. KF6WTN agreed to pick up one of the trailers the following weekend and store it at his home for now.

New Hams/New Members

KG6JMP reported that the September meeting program was well received by new hams, and suggests that something similar be done again soon with more advance publicity. KG6JMP also reports that new members enjoyed the picnic.

Meeting Programs

DX without sunspots by Bill, W6JAB and Solving Mystery's using Amateur Radio with Rod, AC6V

Annual Auction

KB6NMK reported depositing a to-

Last Month's Fold & Staple Crew

Harry W6YOO	Victor N6OYG
Teresa N6UZH	Sonny WA5ACE
Ralph KC6WAN	Merl KR6BT
Larry WA6UTQ	Jo KB6NMK
Jim K6ML	Bill KG6AEW

And especially, hosts, Art and Anita Nye, KB6YHZ and KB6YHY.

And thanks to Jim NE6O, and Jo KB6NMK for filling in for W6GNI at the picnic.

Treasurer \$\$, \$\$\$

Jo Ashley KB6NMK@amsat.org

ASSETS

Cash and Bank Accounts	
CD	\$2,582.71
CD	\$2,740.72
CD	\$2,712.35
CD	\$4,730.39
Checking	\$4,686.32
Post Office	\$93.85
TOTAL ASSETS	\$16,140.41

LIABILITIES

Pre-paid dues	\$11,138.00
Prop. Insurance	\$ 600.00
TOTAL LIABILITIES	\$11,738.00
EQUITY	\$ 4,402.41

TOTAL LIABILITIES & EQUITY

\$16,140.41

Web Pages

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

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

ARES Alert Publication
<http://www.qsl.net/sdgarrl/alert.htm>

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

PARC Pre-Meeting Meeting

All PARC members, and any hams planning to attend the PARC meeting, are invited to congregate early in the Carlsbad area and enjoy dinner with the many meeting attendees who relax and enjoy socializing before the PARC meeting. Listen to the 146.730 MHz repeater starting around 5:00 PM, and you will hear members driving to various restaurants for dinner, and an "eye ball" with fellow hams. **A GREAT WAY TO ENJOY THE HOBBY!** See you there.

PARC Testing

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

Contact Rusty **AA6OM**
760-747-5872 or dunedancer@cox.net

EARS Testing

Escondido - LAST Saturday at 9:00 am
 Chamber of Commerce
 720 N.Broadway, Esc 92025

Contact Harry **W6YOO**
760-743-4212 or W6YOO@amsat.org

Register 5-7 days in advance for tests.

October Goodie Givers

Jim	W6SST
Charlie	NN3V
Jerry	KF6MYE
Pat	KA6PSG

P.A.R.C. Inc (2002 Board)

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

VP: Mark Raptis **KF6WTN**
 760.749.4825 KF6WTN@amsat.org

Sec: Paul Williamson **KB5MU**
 858.571.8585 KB5MU@amsat.org
 760.742-9924 Palomar Mt.

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

Dir#1: Paul DeCicco **NN6X**
 619-595.0500 NN6X@amsat.org

Dir#2: Jim Cooper **NE6O**
 760-727-8446 NE6O@amsat.org

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

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

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

Repeater Status

146.730+ :	Normal
147.075- :	Normal
147.130- :	Normal
447.000- :	Normal
52.680 :	Normal
146.700- :	Packet Repeater Normal
145.050 :	Packet Digi Normal
PALBBS :	Bulletin Board Normal
AutoPatch :	Normal
ATV :	Operational

Committee Chairmen

ARESinfo.	-Dennis S	K7DCG@amsat.org
Attendance	-Al	W6GNI@amsat.org
ATV	-Bill S	KB6MCU W6GIC@amsat.org
Auction	-Jim C.	NE6O@amsat.org
Badges new	-Al	W6GNI@amsat.org
Batteries	-David	KD6EBY DAT@Gerry.Palomar.caltech.edu
BBS Monitor	-Bill B	N6FMK@amsat.org
Billing: Ads/etc	-Lyell K	K6GVM@arrl.net
By-laws	-Paul	NN6X@amsat.org
&	-Ron	RWA9JCL r3mb@concentric.net
Contest Info	-Dennis V	N6KI@amsat.org
ControlOps.	-filled	W6NWG@amsat.org
D.Mar Fair-		
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	W6YOO@amsat.org
DennisV	-N6KI	N6KI@amsat.org
Field Day	-Charlie R	NN3V@ARRL.net
FDTech.	-John K	WB6IQS@Juno.com
Historian	-	
Interference	-Bill S	KB6MCU W6GIC@amsat.org
Inventory	-Dennis B	KD6TUJ@juno.com
MtgGoodies	-Jim E	W6SST@juno.com
Membership	-Al W6GNI	aldonlevy@juno.com
Nets	-	
Newsletter	-Ron S	NA6RS@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-Stan R	W9FQN@amsat.org
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-Paul D	NN6X@amsat.org
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-Charlie R	NN3V@ARRL.net
Publicity	-Fred S	K6ISS@amsat.org
QSL Cards	-Merle R	KR6BT@Juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag	-	
Rptr Site	-Mike P	KD6VHI@amsat.org
Rptr Skeds	-	
SANDARC	-	
SellerTable	-John K	WB6IQS@Juno.com
AstSWDvDir	-	
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M,	DuneDancer@cox.net
Training	-	W6NWG@amsat.org
TrusteeW6NWG-Mike D		AB6QT@amsat.org
Web Site	-	

(Net Managers) (see pg.12)

ARES Sun	-	
Staff Net	-David D	KC6YSO@amsat.org
ARES 6m	-David D	KC6YSO@amsat.org
Ham Help	-David D	KC6YSO@amsat.org
Hiking	-Ed	KF6DXX@Juno.com
	-Glenn P	KE6ZLY@Juno.com
MARA	-Cathy	KE6IQU W6NWG@amsat.org
Microwave	-Kerry B	
Off Road	-Jerry A	jwak6fp@cts.com
	-Dick W	KA7AYT rwilimek@home.com
Sailors	-Paul/Rod	NN6X@amsat.org / AC6V@amsat.org
Traffic(SDCTN)-Charles		N6TEP cmiele@juno.com

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

tal of \$1185 after the club's auction at the October meeting, and writing checks to the sellers for a total of \$935.99.

Autopatch Phone Bill Review

Phone bills from the La Mesa autopatch site have been reviewed. Usage has been continuous for the last few months, despite the claim that the La Mesa site was no longer being used to route autopatch calls. KB6NMK reported that W9FQN has promised to look into it.

Participation Points

W6GNI reported that there was some disagreement about the club's policy on awarding participation points (tickets for the picnic prize drawing). He intends to submit a written policy for Board approval at the next meeting.

Next Board Meeting

The October Board meeting will be held at the home of NN3V, on Wednesday November 13, 2002, at 7:00 PM.

Adjournment

The meeting was adjourned at 9:02 PM.

Respectfully Submitted,

Paul Williamson, KB5MU
Secretary

LOST AND FOUND

Found at the PARC Picnic -- Laser pointer with key chain.

BEING HELD BY AC6V

I Doubt, Therefore I Might Be

73 From AC6V, Rod In Oceanside, CA
<http://ac6v.com>

AMATEUR RADIO ROUNDUP

OPEN TO THE PUBLIC

ARRL - The San Diego Section of the ARRL, will be the host for all amateur radio operators and guests on Saturday November 2, 2002, at the Kearny Mesa Recreation Center, 3170 Armstrong Street in San Diego. (Near Mesa College: TB-1249-A5)

Exhibits & Displays by ARRL, ARES, RACES, Government & Civilian Agencies, and local Clubs. There will be a pot-luck dinner at 12 Noon. Participants please bring one of the following:

Main dish, salad and bread, or a delicious dessert. Coffee and soft drinks will be provided.

Talk-in frequencies:

146.265+ (PL 107.2)

224.90- (PL 107.2)

449.98-(PL 88.5)

Set-up for participating organizations will start at 7:30 AM. For information contact K6FQ at 619-575-1964.

Club Membership

More New Members Joining PARC:

KG6KXR, W6ORW, AE6IC, KB7FMB, KG6NIX.

When you hear these calls on a

repeater, be sure to greet our new members.

One family reinstated after an absence, and **KD6RFQ**, and **W6ABE** both renewed for **10 years!!**

Please check your label each month to check up on me, to see that your renewal(s) get properly credited. Also check to see if there is any additional information, like your membership expiration date, incorrect zip code, e-mail info or even participation points.

73 de AI, W6GNI

Board Nominations

After due deliberation, the Nominating Committee recommends the following slate of Officers and Directors for the Year of 2003.

Charlie, NN3V - President

Jeff N6FRW

Grace N6WPA

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e-mail: nicdlady@nicdlady.com

Mark, KF6WTN- Vice President
Jo, KB6NMK - Treasurer
Paul, KB5MU - Secretary
Merle, KR6BT- Director
Jim, NE6O - Director
Art, KC6UQH - Committee Member and spokesperson by default.

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William Howard Dewey 1927 - 2002

William Howard Dewey, born January 29, 1927, and a Fallbrook resident for 29 years, passed away due to a brain tumor on October 24, 2002 after a valiant eight-month struggle.

During World War II, Mr. Dewey served briefly in the Army Air Corps, now called the Air Force. Following that, he pursued his dream of becoming a pilot, later joining American Airlines as a co-pilot, climbing to the rank of Captain and finally becoming a Chief Pilot in San Diego, his last base station before retiring in 1987 after a career of 34 years.

His love of amateur radio was evident every day of the 25 years he devoted to the hobby. WD6AHW, as he was known in the "ham" radio world, was constantly volunteering his services for public causes such as the 1993 DeLuz floods, the Harmony Grove fire, the recent Fallbrook fire, and many of the Fallbrook Avocado Days celebrations, as

well as other Fallbrook events. He was a member of both ARES and RACES, amateur radio organizations that serve the public during emergencies. In addition, he served as President of the Fallbrook Amateur Radio Club for two years, Vice President of that club for another two years, was President of the Western Country Cousins for three years, and, most recently, has been the Assistant Net Manager of the Alaska Pacific Net, a daily roll call of people who are Alaska residents, the roll call organized because of the disastrous Anchorage earthquake some years ago and sponsored by the State of Alaska to provide the residents with a method of communication in the event of another major disaster. "Bill", as he was known to his many friends, also made special efforts to encourage and mentor many new amateur radio operators in the area and was especially interested in helping the Fallbrook High School students who had chosen amateur radio as a hobby.

A member of the Benevolent and Protective Order of the Elks for 37 years, Mr. Dewey and his wife actively participated in the Vista Elks Lodge #1968 camping club, the Grasshoppers. In addition, many motor home camping trips were taken with the Elitist Club, including attending the Calgary Stampede. The highlight of all of his trips was his realized retirement dream in 1989 of a motor home trip with his wife through British Columbia to and throughout Alaska, a trip that lasted nearly four months and where he made many new amateur radio friends.

Mr. Dewey was also an active member of the American Airlines "Grey Eagles" and the American Legion.

Survivors include his wife of nearly 52 years, Patricia ("Trish") Dewey, of Fallbrook, two sons, Lawrence "Wayne" Dewey, of Carlsbad, CA, and Richard Dewey, of Tempe, AZ, in addition to a daughter, Catherine Dewey Saei, of Littlerock, CA, grandchildren Elyssa Nussbaum, William and Daniel Saei, and Joshua Dewey, three great-grandchildren, and three sisters, Geraldine Rock, of Williamsburg, VA, Victoria Tobin, of Anaheim, CA, and Joanna Tracy, of Brevard, North Carolina, as well as many nieces and nephews.

Memorial services will be held at 11 am on Wednesday, November 6, 2002 at St. Patrick's Catholic Church, 3821 Adams, in Carlsbad. Berry-Bell and Hall Mortuary of Fallbrook is handling the arrangements.

We'll miss him.

A Little Humor goes a long way

A little boy was attending his first wedding. After the service, his cousin asked him, "How many women can a man marry?" "Sixteen," the boy responded. His cousin was amazed that he had an answer so quickly. "How do you know that?" "Easy," the little boy said. "All you have to do is add it up, like the Bishop said: 4 better, 4 worse, 4 richer, 4 poorer."

After a church service on Sunday morning, a young boy suddenly announced to his mother, "Mom, I've decided to become a minister when I grow up." "That's okay with us, but what made you decide that?" "Well," said the little boy, "I have to go to church on Sunday anyway, and I figure it will be more fun to stand up and yell, than to sit and listen."

A 6-year-old was overheard reciting the Lord's Prayer at a church service: "And forgive us our trash passes, as we forgive those who passed trash against us."

A boy was watching his father, a pastor, write a sermon." How do you know what to say?" he asked. "Why, God tells me." "Oh, then why do you keep crossing things out?"

After the christening of his baby brother in church, little Johnny sobbed all the way with me in the back seat of the car. His father asked him three times what was wrong. Finally, the boy replied, "That priest said he wanted us to be brought up in a Christian home, and I want to stay with you

guys."

Terri asked her Sunday-School class to draw pictures of their favorite Bible stories. She was puzzled by Kyle's picture, which showed four people on an airplane, so she asked him which story it was meant to represent. "The flight to Egypt," said Kyle. "I see ... And that must be Mary, Joseph, and Baby Jesus," Ms. Tern said. "But who's the fourth person?" "Oh, that's Pontius - the Pilot."

A little boy's prayer: "Dear God, please take care of my daddy and my Mommy and my sister and my brother and my doggy and me. Oh, please take care of yourself, God. If anything happens to you, we're gonna be in a big mess."

The Sunday School Teacher asks, "Now, Johnny, tell me frankly do you say prayers before eating?" "No sir," little Johnny replies, "I don't have to. My Mom is a good cook."

Pastor Dave Charlton tells us, "After a worship service at First Baptist Church in Newcastle, Kentucky, a mother with a fidgety seven year old boy told me how she finally got her son to sit still and be quiet. About halfway through the sermon, she leaned over and whispered, 'If you don't be quiet, Pastor Charlton is going to lose his place and will have to start his sermon all over again!' It worked."

Three boys are in the schoolyard bragging about their fathers. The first boy says, "My Dad scribbles a few words on a piece of paper, he calls it a poem, they give him \$50." The second boy says,

"That's nothing. My Dad scribbles a few words on a piece of paper, he calls it a song, they give him \$100." The third boy says, "I got you both beat. My Dad scribbles a few words on a piece of paper, he calls it a sermon and it takes eight people to collect all the money!"

One night Mike's parents overheard this prayer: "Now I lay me down to rest, and hope to pass tomorrow's test. If I should die before I wake, that's one less test I have to take.

Children were lined up in the cafeteria of a Catholic school for lunch. At the head of the table was a large pile of apples. The nun had made a note, "Take only one. God is watching." Moving through the line, at the other end of the table was a large pile of chocolate chip cookies. A boy wrote a note, "Take all you want. God is watching the apples.

Editor's Column

I hope you enjoy reading your Scope as well as I enjoy making it. It certainly has been a challenge for me. As you know, board elections are coming near and the need for all to be at the meetings to place your vote will assure that your club's needs are met. With that in mind, your input to your newspaper will also be appreciated. I cannot always print what is sent due to space and other problems, but I do get my ideas from your input. Many thanks to those who contribute. With Halloween past, it's time to prepare for the Christmas holidays. We have so much to be thankful for as individuals and as a nation. I hope you will keep that in mind this coming month as we enjoy our time with our family and friends. Have a blessed Thanksgiving. God is indeed good. **73 Ron, NA6RS**

For Sale

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

(10.25) **DRAKE Q-multiplier** model 583 for use with 455 kc I.F. Make Offer. Ph. 760-742-1573 before 4 pm. de AB6QT

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

(9.30) **TEN/TEC 526** Multi-mode VHF Trans. 6m/2m 1-20 w., w/ power supply, and PAR antennas, **ADI-AT-201** 2m HT, 5w, \$675, Carl N6HLY 858-538-0546

(9.20) **Collins KWM2A**, power supply, manual and extra tubes. Where is- as is, good condition on the air, \$500.00 cash. Warren- 760} 7445097 or w6eyp@aol.com

(9.20) **Flying Horse Amateur Radio Callsign CD**, New, Make offer, Jo, KB6NMK 760-741-2560

(9.20) **Cushcraft A3S 3 element tri-band beam** for 10M, 15M and 20M. You can buy it new at HRO for \$399.95. I am selling mine used for \$150.00 complete. Delivery is available. Contact Loren (760) 724-4644 AD6ZJ@ARRL.NET

***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

(7.18) **Stationary pedal bike** (made in Finland) for the exercising, training and/or heart therapy. Adj for pedalling resistance, speedometer and revolution counter, ribbon gauge, 0-60 timer, manual and more. Like new. \$125 WA6DOC Mark 760.945-1367 O'side gomark@juno.com

(7.4) **Bearcat 235** trunktracker \$100, **Bearcat 245** w/comp cable \$150, box, manual. Bearcat III--8 ch. crystal scanner - \$20. Steve KO6ET@Juno.com

(7.2) **SWL Receiver**, Panasonic Mod #RF4800, 1.6-31 mhz + FM 88-108 **Digital Freq Counter** \$100, **Hallicrafter Mod SKI I** Communication Receiver, 80, 40, 20, 15, 10m Double Conversion AM, CW & SSB, 14 tubes, good condition, with manual \$200, **Kawasaki GA 1400 Portable Generator**, 120v 1400 watts, 12 v. 8.5 a., Like new condition. \$350, Ed, KK6GO 619-224-8948

(6.10) **Fluke 77 Multimeter** Analog/Digital, W/manual \$85, **B&W Low Pass Filter**, \$20, **Waters Dummy Load-Wattmeter**, 15-50-300-1500w \$85, **QST 1976-2000** Make Offer, Kris W6KTE 760-941-3555

(5.20) **Sears Window Air Conditioner** like new - \$200, MAC Performa 6400/180, scanner, trackball NEC Monitor - \$450

Junk PC 133 MHz (works) No case, NEC Monitor, CD ROM Burner, SCSI Bus - Best Offer, Rod AC6V 760-945-6050 or ac6v@amsat.org

(4.17) **ADI-Pryme PR-222** 5-watt HT for 220MHz. With rapid charger, box, and manual. Use this tiny HT throughout California on the Condor system. Asking \$165. Dave KF6XA 909-677-2446 or kf6xa@qsl.net

(4.6) **ICOM 1271A**, 1.2Ghz w/ATV and AG-preamp. \$1000.00, **I C O M 4 7 1 A 4 2 0 - 4 5 0 M h z , \$ 3 5 0 . 0 0** Steve at KO6ET@Juno.com

(3.18) **KENWOOD TS 530S** Transceiver, 160 thur. 10 meters, manuals and mike. In good condition. \$450 Bob K3DLC 858 278 4864 or hurwi7@aol.com

(3.18) W6NFB Estate Sale, **Kenwood TS 450 AT**, **Astron RS 35A Power Supply**. **Mic. and Dummy Load**. \$500, **ALFA 78A KW** + Amplifier. \$500 Universal Aluminum Free Standing **40 foot Tower** with Rotor, Beam, Vertical and Coax. \$275, **Drake SPR-4** Communications Receiver \$25, (needs work) Contact: Wayne in Vista 760 - 724 - 0777

(2.18) **Mosley PRO 57**, 5 band beam, \$50, Ron, NA6RS@amsat.org or 760-822-5170

WANTED:

35-50 Ft. Push-up-pole in good condition. Louie KF6QBS@amsat.org. Or 760-727-0846.

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Sunday	2045	147.075	MARA Emergency Services
Monday	915	146.730	RACES Sub-Net
Monday	2100	146.730	Microwave Net
Tuesday	2100	146.730	Off-Road Net
2nd Wed	100	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
Saturday	2015	147.130	ARES Staff Net
Tue/Thu/Sat	2000	146.730	NTS Traffic Net (SDCTN)

Also, all-mode rig or transverter for 222. Dave kf6xa@qsl.net or 909-677-2446

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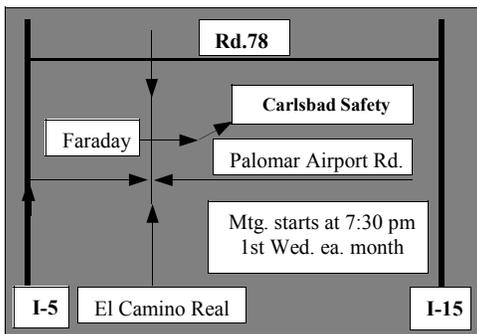
SCOPE

Palomar Amateur Radio Club Inc.

*also ATV &
4 Autopatches*

Scope (USPS #076530) Vol. XXVIII No. 11, Nov. 2002, published monthly by PARC
1651 Mesa Verde Dr., Vista, CA, 92084. *Periodicals postage pd. at Vista, CA 92085.*
Dues \$12/yr or \$21/family/yr (includes newsletter subscription)

Editor: Ron Surfield NA6RS, 2605 Emerald Pl., Escondido CA 92027
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Send \$12 Dues To:
PARC, P.O. Box 73
Vista CA 92085-0073



Palomar Amateur Radio Club

December 2002

December Meeting

Meeting will be at the Carlsbad Safety Center on Dec 4, 2002 starting at 7:30 pm. Check out the Xmas Social on **page 6**. January's meeting will be on January 8, 2003.

See you at the social.

PARC Repeaters

Palomar Mt. Repeaters (W6NWG)

PARC Trustee: AB6QT

***52.680-** W6NWG, -0.5 MHz.

Autopatches:

146.730-, ***147.075+**

*** 147.130+**, ***447.000-**

PKT:

145.050s (PALMAR/W6NWG-1)

146.700- (Duplex Pkt) PALBBS/
EMG use

145.070/146.7 - (W6NWG-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

Well, it seems like only yesterday we were commenting on the 2002 New Year resolutions, and here we are getting ready for another Holiday season.

So what are you planning for this year's enjoyment of the holidays? Hopefully there are lots of fun ideas, and that some of the relaxation time we all enjoy at this time of the year will put you back on touch with the excitement of ham radio.

Have any of you gone looking at the FSK-441 mode W6JAB presented us with during the November meeting? What a fascinating subject. I downloaded the software (it is free), and started playing around with it. Can't say I've had the time to really dedicate to building the interface to the VHF rig yet, but that is a high priority for this coming month.

What I find interesting is that once again the realm of experimenting and just "fiddling" in the ham shack is bringing incredible technology to play at virtually no cost! It makes me wonder if any of or "new" hams might be poised to experiment their way into the record books just by playing around in the shack with the digital modes. I think of the new hams that way because, once upon a time, in a ham shack far, far away, I did not know that things "could not be done", and so experimenting was the fun part of technology.

All this leads me to find of interest the article on page 101 of Novem-

ber's "QST" magazine concerning "In Search Of Amateur Innovation". I recommend you read it. For those of you who do not get QST (and I recommend you subscribe), the article's author (Greg Lapin, N9GL) informs us that major commercial interests who are coveting our ham bands are making the case that Ham Radio Operators no longer experiment, and consequently no longer contribute to the advancement of the communications science. Thus - their reasoning goes - hams no longer need our frequencies.

If you do not follow industry trends, you may be unaware of the tremendous push that has gone into auctioning portions of the radio frequency spectrum as a way of "making money" for the Federal treasury. Maybe the ham bands are next? Think about that the next time you operate on our bands. We need to keep them warm and used.

Leaving behind the intriguing news let me close with a positive thought.

On behalf of the PARC Board of directors, and especially on my part, please accept a very warm wish that you and yours may have a FANTASTIC Christmas Holiday, and a prosperous 2003. Remember to spend every available opportunity enjoying your family and

(Continued Page 4)

Minutes

Palomar Amateur Radio Club, Inc. Board of Directors

November 12, 2002

The regular monthly meeting of the Board of Directors was called to order by NN3V at 7:22 PM on October 9, 2002 at the home of NN3V.

Present were:

President	Charlie Ristorcelli, NN3V	Membership Chairman	Al Donlevy, W6GNI
Vice President	Mark Raptis, KF6WTN	New Hams/Members Rep	Mike McMahan, KG6JMP
Director #2	Jim Cooper, NE6O		
Repeater Technical	Mike Doyle, AB6QT		
Visitor/Club Assets Chairman	Dennis Baca, KD6TUJ		

The Board considered routine PARC business, and several miscellaneous items were discussed. The principal agenda items were covered, with the following issues reviewed.

Club property, status, and location: KD6TUJ reported that the venerable TACO wagon has been disposed of, with only a minor element remaining to be removed. AB6QT and KD6TUJ actively engaged in review of material remaining inside the cargo container. They reported the major items are accounted for, and the container is ready for transfer to the new storage facility. Items remaining in the container will be secured for transfer inside the container. KD6TUJ advised that plan should be ready in order to transfer the container to the new site during the first week in December 2002. After that there is an opportunity to make container items available to PARC members, as there are many items that may have good use by those de-

siring to get involved with construction projects.

The Board approved KD6TUJ recommendations for container movement plans and schedule. KD6TUJ and AB6QT are actively engaged in coordinating the effort.

Club Flyers & Brochure: The brochure is obsolete. KF6WTN has an action item to finalize the rewritten flyer, and distribute the draft to the PARC Board for editing and final printing no later than the Board meeting in December. After that newly printed flyers will be distributed to selected locations throughout San Diego County.

Participation Points: The Board discussed the management and process of awarding Club participation points to Club members. An issue arose concerning the manner in which participation point proxies are administered. A lively discussion followed, after which KF6WTN moved that

proxy procedures be eliminated. There was no second to that motion, and the issue dies in committee. KF6WTN then moved that proxy procedures remain unchanged. The motion was seconded by NE6O, and the motion was carried unanimously. The Board then reviewed the Club participation point award clarification written by W6GNI. Consensus was that the document accurately reflects the Club By-Law concerning participation points. The procedures are published elsewhere in this edition of Scope.

Training: NE6O reported on continuing plans to initiated a technician & general class. Good progress on this longstanding initiative is being made. Research to identify a facility where the class will be conducted revealed *that once again the Carlsbad Safety center is planning to initiate renovation construction.* Because the Board has no formal indication of this situation, KF6WTN is investigating actual status of this rumor.

(cont.)

Last Month's Fold & Staple Crew

Harry W6YOO	Victor N6OYG
Teresa N6UZH	Sonny WA5ACE
Ralph KC6WAN	Merl KR6BT
Larry WA6UTQ	Jo KB6NMK
Jim K6ML	Bill KG6AEW

And especially, hosts, Art and Anita Nye, KB6YHZ and KB6YHY.

And thanks to Jim NE6O, and Jo KB6NMK for filling in for W6GNI at the picnic.

November Goodie's

Preston	W6ASP
Paul	N6ISC
Michelle	KF6WTO
John	W6JFD
Ed	W6ABE

New & Young Ham Licensees:

KG6JMP provided a very encouraging report concerning the pre-meeting dinners held with the new members and new licensees. There is an active group participating in these dinners, and commented and reported upon on the repeaters before the Club meetings. A survey distributed by KG6JMP via e-mail to some 78 new & young members provided good feedback on their interests, and on ideas for encouraging new hams. Particular note was taken of the excellent "elmering" KC6YSO is accomplishing for some new members interested in emergency services. The Board members complemented KG6JMP on his active role in encouraging new licensees and members, and agreed to emphasize support for this effort.

PARC Pre-Meeting Meeting

All PARC members, and any hams planning to attend the PARC meeting, are invited to congregate early in the Carlsbad area and enjoy dinner with the many meeting attendees who relax and enjoy socializing before the PARC meeting. Listen to the 146.730 MHz repeater starting around 5:00 PM, and you will hear members driving to various restaurants for dinner, and an "eye ball" with fellow hams. **A GREAT WAY TO ENJOY THE HOBBY!** See you there.

The Board adjourned at 8:25 PM. Next meeting will take place December 11th at the home of NN3V

Special Thanks

As we close the 2002, PARC is pleased to thank all Club members for your strong support of the Club's activities this past year. We've had some real interesting challenges, and the members have rallied to support the Club.

Special thanks to:

K6GO for helping us find a fantastic Field Day location. **AC6V** for a tremendous effort serving as the "PARC Crier" on the repeater, and for leading the crew that ran a fantastic GOTA station at FD. **NA6RS** for making Scope a continued success as the Editor, and for automating the editing and printing process,

Cont. Page 5

P.A.R.C. Inc (2002 Board)

Pres: Charlie Ristorcelli 858.676.3307	NN3V NN3V@amsat.org
VP: Mark Raptis 760.749.4825	KF6WTN KF6WTN@amsat.org
Sec: Paul Williamson 858.571.8585 760.742-9924 Palomar Mt.	KB5MU KB5MU@amsat.org
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Dir#2: Jim Cooper 760-727-8446	NE6O NE6O@amsat.org
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Membership: Al Donlevy 760.630.3096	W6GNI W6GNI@amsat.org
Repeater Technical: Mike Doyle 760.742.1573	AB6QT AB6QT@amsat.org
Membership Committee: KG6JMP Mike Mc Mahon (non-voting Member)	KG6JMP@amsat.org

Treasurer \$\$, \$\$\$

Jo Ashley	KB6NMK@amsat.org
ASSETS	10/31/02
Cash and Bank Accounts	
CD	2591.56
CD	2750.34
CD	2721.65
CD	3307.38
Checking	3359.17
Post Office	93.73
TOTAL ASSETS	14823.83
LIABILITIES	
Pre-paid dues	11689.00
Prop. Insurance	1200.00
TOTAL LIABILITES	12889.00
EQUITY	1934.83
TOTAL LIABILITIES & EQUITY	14823.83

Committee Chairmen

ARESinfo.	-Dennis S	K7DCG@amsat.org
Attendance	-Al	W6GNI@amsat.org
ATV	-Bill S	KB6MCU W6GIC@amsat.org
Auction	-Jim C.	NE6O@amsat.org
Badges new	-Al	W6GNI@amsat.org
Batteries	-David	KD6EBY DAT@Gerry.Palomar.caltech.edu
BBS Monitor	-Bill B	N6FMK@amsat.org
Billing: Ads/etc	-Lyell K	K6GVM@arrl.net
By-laws	-Paul	NN6X@amsat.org
&	-Ron	RWA9JCL r3mb@concentric.net
Contest Info	-Dennis V	N6KI@amsat.org
ControlOps.	-filled	W6NWG@amsat.org
D.Mar Fair-		
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	W6YOO@amsat.org
DennisV	-N6KI	N6KI@amsat.org
Field Day	-Charlie R	NN3V@ARRL.net
FDTech.	-John K	WB6IQS@Juno.com
Historian	-	
Interference	-Bill S	KB6MCU W6GIC@amsat.org
Inventory	-Dennis B	KD6TJ@juno.com
MtgGoodies	-Jim E	W6SST@juno.com
Membership	-Al W6GNI	aldonlevy@juno.com
Nets	-	
Newsletter	-Ron S	NA6RS@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-Stan R	W9FQN@amsat.org
PatchETronics	-Jerry H	WB6FMT@amsat.org
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RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag	-	
Rptr Site	-Mike P	KD6VHI@amsat.org
Rptr Skeds	-	
SANDARC	-	
SellerTable	-John K	WB6IQS@Juno.com
AstSWDvDir	-	
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M,	DuneDancer@cox.net
Training	-	W6NWG@amsat.org
TrusteeW6NWG-Mike D		AB6QT@amsat.org
Web Site	-	

(Net Managers) (see pg.12)

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

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

The Newcomer's Corner

PARC extends a special greeting to all of our new members, especially those who are new to ham radio! The following benefits are part of your membership:

* A roster of the PARC membership is available from Al Donlevy at the meeting or by email at **W6GNI@amsat.org**.

* Auto-patch access (PIN registration and instructions on operations) is also available from Al Donlevy.

* If you'd like a little extra advice from one of our experienced members, please contact Mike McMahan, **KG6JMP** by email at **KG6JMP@amsat.org**. He will match you with an elmer/mentor.

Don't forget our great website...

www.palomararc.org. It has the schedule of the Nets, info on events, even pictures from the last picnic!

Again, welcome to PARC and congratulations on joining an organization that has been benefiting amateur radio in San Diego County since 1936.

73 de Mike, **KG6JMP**

Board Member representing New Members/New Hams **KG6JMP@amsat.org**

President's Message (Cont.)

friends at this time of the year, because life is short, and no one guarantees tomorrow. This is the best time of the year to reflect on the special nature of family and friends.

73 de **NN3V**

in spite of extensive travels. **KB5MU** for creating our web-site, and for the very professional PARC activity photos he posts regularly on the site. **KF6WTN** for continuing to operate the finest Road Kill Café in hamdom. **N6KI** for his inveterate Elmering of any new ham. **KB6NMK** for unflinching faithfulness in keeping our finances up to date. **W6GNI** for the intricate maintenance of membership data, and for the thankless but all-important task of managing Club participation points. **WB6IQS** for all those hours spent "fixing" PARC "stuff". **AB6QT** for tireless and tiring efforts to keep our repeaters up and operational. **KC6YSO** for dutiful representation of PARC among the emergency services crowd (and learning to shorten his remarks at Club meetings). **KD6TUJ** for dedicating his precious spare time to managing Club property, and organizing and sponsoring the new Club equipment permanent location. **NN6X** for serving as the "legal sage" in the Club. **K6YSO** for never failing to lead the pledge of allegiance at our meetings, and for the many hours of DX experience he passes to members. **KC6UQH** for constant readiness to support equipment maintenance activities to help **AB6QT**. **WN6K** for making sure FD point totals are properly reported, and for making sure PARC gets maximum points in the arcane CW score of FD. **W6JAB** for numerous Club programs that left all in awe, and looking for the man behind the green curtain. **KG6JMP** for the superb effort in getting young and new ham licensees interested in ham radio and Club participation.

PARC Testing

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

Contact Rusty **AA6OM**
760-747-5872 or dunedancer@cox.net

EARS Testing

Escondido - LAST Saturday at 9:00 am
Chamber of Commerce
720 N.Broadway, Esc 92025

Contact Harry **W6YOO**
760-743-4212 or W6YOO@amsat.org

Register 5-7 days in advance for tests.

Jeff **N6FRW**

Grace **N6WPA**

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147.130- : **Normal**
447.000- : **Normal**
52.680 : **Normal**
146.700- : Packet Repeater **Normal**
145.050 : Packet Digi **Normal**
PALBBS : Bulletin Board **Normal**
AutoPatch : **Normal**
ATV : **Operational**

Web Pages

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

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

ARES Alert Publication
<http://www.qsl.net/sdgarrl/alert.htm>

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

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de NN3V

Club Membership

More New Members Joining PARC:

**KG6NNG, KC6NLL,
KG6NMM, KG6NDT,
WD6EDK.**

When you hear these calls on a repeater, be sure to greet our new members. In addition 4 members reinstated after considerable delay.

Please check your label each month to check up on me, to see that your renewal get properly credited. Also check to see if there is any additional information, like your membership expiration date, incorrect zip code, e-mail info or even participation points.

Al, W6GNI

Field Day Results

FD I organized for Palomar amateur Radio Club (PARC) was 3A.

W6NWG+AC6V was #22 in class 3A, out of 333 entries in that class, with a score of 7352 (versus a 1st place score of 13252). A very respectable showing for a fun outing, in a fairly tough class.

Contest Corral

Dec 1	ARCI QRP Contest
Dec 6	ARRL 160 Meter Contest
Dec 7	TARA RTTY Spring
Dec 7	Michigan RSK31 Contest
Dec 14	ARRL 10 Meter Contest
Dec 21	Czech RTTY Contest
Dec 28	Canadian Winter Contest
Dec 28	Stew Perry 160 Meter
Jan 1	ARRL Straight Key Night
Jan 4	ARRL RTTY Roundup

Fewer contests this month but we've added a PSK31 and a QRP contest for your contesting pleasure. The two 160 meter contests are especially challenging. See QST, CQ, NCJ and Worldradio for complete rules. CU in the contest.

73, Harry, W6YOO

AC6V was our GOTA station call sign.

73 de NN3V

Rose Parade Help

Tournament of Roses Radio Amateurs (TORRA) is looking for volunteers to help w/ various duties associated w/ the Annual Tournament of Roses Parade. Equipment needed by volunteers would include any of the following: 2m Syn HT, 2m portable w/ mag mount, 2m mobile, portable packet, ATV, APRS. Available assignments include voice communication, packet, ATV or APRS. Shifts available include the following pre-parade & parade shifts: Dec 31 1100-1800 hrs, Dec 31 1800 hrs to Jan 1 0200 hrs, Jan 1 0200 hrs to 1400 hrs. Post-parade shifts available are Jan 1, 2 & 3 from 0800 hrs to 1800 hrs. Dues for TORRA are only \$5 annually and those interested should contact Dave Gross at

(626) 355-3493 or sign up online at <http://www.anet.net/~torra/>

**PARC
CHRISTMAS
SOCIAL**

12/4/02

1930 Hrs.

Come One—Come All

This month's meeting will be held at the Carlsbad Safety Center as usual but with a twist. It will be a time of celebration of Christmas and a time to socialize with your fellow hams. But there is a twist — we each need to bring a desert or goodies if it will be successful. As always, PARC will provide the refreshments (coffee and punch). See ya there. **de PARC Board**

JANUARY MEETING

2nd. Wednesday

January 8, 2003

Location to be Announced

God's In Control

September 11th was time of sad memories for most Americans as we recall the events of the previous year. The ninth floor of my hotel was looking straight across the river at the "Twin Towers". To see them burning and then finally collapse was a sickening feeling. To know that many people were losing their lives at that time in an uncontrollable act of terror by so few brought the question to mind **"where is God?"** Well, I have good news for you. — read on.

Did you know that the space program is busy proving that what has been called "myth" in the Bible is true? Mr. Harold Hill, President of the Curtis Engine Company in Baltimore, Maryland, and a consultant in the space program, relates the following development: "I think one of the most amazing things that God has done for us today happened recently to our astronauts and space scientists at greenbelt, Maryland. They were checking out where the positions of the sun, moon, and planets would be 100 years and 1,000 years from now. We have to know this so we won't send up a satellite and have it bump into something later on in its orbits. We have to lay out the orbits in terms of the life of the satellite and where the planets will be so the whole thing will not bog down." They ran the computer measurement back and forth over the centuries, and it came to a halt. The computer stopped and put up a red signal, which meant that there was something wrong with either the information fed into it or with the results as com-

pared to the standards. They called in the service department to check it out, and they said, 'What's wrong?' Well, they found there is a day missing in space in elapsed time. They scratched their heads and tore their hair. There was no answer. Finally a Christian man on the team said, "You know, one time I was in Sunday school, and they talked about the sun standing still." While they didn't believe him, they didn't have an answer either, so they said, "Show us." He got a Bible and went to the book of Joshua where they found a pretty ridiculous statement for any one with 'common sense.' There they found the Lord saying to Joshua, "Fear them not, I have delivered them into thy hand; there shall not a man of them stand before thee." Joshua was concerned because he was surrounded by the enemy, and if darkness fell, they would overpower them. So Joshua asked the Lord to make the sun stand still! That's right... 'The sun stood still and the moon stayed and lasted not to go down about a whole day!' (Joshua 10:12-13) The astronauts and scientists said, "There is the missing day!" They checked the computers going back into the time it was written and found it was close but not close enough. The elapsed time that was missing back in Joshua's day was 23 hours and 20 minutes... not a whole day. They read the Bible, and there it was—about (approximately) a day. These little words in the Bible are important, but they were still in trouble because if you cannot account for 40 minutes, you'll still be in trouble 1000 years from now. Forty minutes had to be found because it can be

multiplied many times over in orbits. As the Christian employee thought about it, he remembered somewhere in the Bible where it said the sun went BACKWARDS. The scientists told him he was out of his mind, but they got out the Book and read these words in 2nd Kings that told of the following story: Hezekiah, on his death bed, was visited by the prophet Isaiah who told him that he was not going to die. Hezekiah asked for a sign as proof. Isaiah said, "Do you want the sun to go ahead 10 degrees?" Hezekiah said, "It is nothing for the sun to go ahead 10 degrees, but let the shadow return backward 10 degrees." Isaiah spoke to the Lord, and the Lord brought the shadow ten degrees BACKWARD! Ten degrees is exactly 40 minutes! Twenty-three hours and 20 minutes in Joshua, plus 40 minutes in 2nd Kings make the missing day in the universe! Isn't that amazing? God is still in control!

I am one who is glad that we people are not in control. As we approach a new year, we need to keep in mind that we are not alone and those who wish to have control over us and our great country, will not succeed. This Christmas season should be a time when we reflect on all the many blessings we have, and to share with our family, friends, and yes, those who have more need than us. Let's make a difference in 2003.

I wish to all of you a very merry Christmas and a blessed New Year, and thank you all for your continued support of your newsletter.

Your Editor,

Ron NA6RS

For Sale

(11.18) Class A motorhome cover, 22' => 26' length w/ extra sun-protection material cost new \$358 incl tx half price; (760) 945-1367 Mark WA6DOC

(11.14) **ICOM IC-2000H** 2 Meter Tcvr. 50 W, **HM-95 Mic** with Key pad on back. Very clean, Non-smoker, no scratches. Asking \$75.00 OBO, **Kenwood SP-70 Speaker** \$20.00, **Kenwood Communications Speaker** \$15.00, **Realistic 4" X 4"** with Bracket \$10.00, **ICOM Mic. HM-12** \$15.00. Please Call Bayard K6GAO at 858-755-5507.

(11.11) Yaesu FT- 1500M Like New in Box with ADMS-2F computer Program and Cable for interface for programing freqs. into radio. Please Call Bayard K6GAO at 858-755-5507. You Can E-Mail me at rehkopf@mail.sdsu.edu.

(11.6) **TEN TEC 525 Argosy** hf tcvr, 10-100 w, 10-80m. 215 pc mike, 225 ps. 227 antenna tuner. ideal beginner station. tr analog tuning knob needs calibrating. all manuals. \$200 Pat KD8CA. 619-523-1833.

(11.2) Aluminum 50 ft. Tower - Five section free standing with base supports. Made by Universal Co. \$100 or make offer. Richard, W6RLC 619-224-9900 Richard L. Carey W6RLC

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

***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.*

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(10.25) **DRAKE Q-multiplier** model 583 for use with 455 kc I.F. Make Offer. Ph. 760-742-1573 before 4 pm. de AB6QT

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

(9.30) **TEN/TEC 526** Multi-mode VHF Trans. 6m/2m 1-20 w., w/ power supply, and PAR antennas, **ADI-AT-201** 2m HT, 5w, \$675, Carl N6HLY 858-538-0546

(9.20) **Cushcraft A3S 3 element tri-band beam** for 10M, 15M and 20M. You can buy it new at HRO for \$399.95. I am selling mine used for \$150.00 complete. Delivery is available. Contact Loren (760) 724-4644 AD6ZJ@ARRL.NET

(7.4) **Bearcat 235** trunktracker \$100, **Bearcat 245** w/comp cable \$150, box, manual. Bearcat III--8 ch. crystal scanner - \$20. Steve KO6ET@Juno.com

(7.2) **SWL Receiver**, Panasonic Mod #RF4800, 1.6-31 mhz + FM 88-108 **Digital Freq Counter** \$100, **Hallicrafter Mod SKI I** Communication Receiver, 80, 40, 20, 15, 10m Double Conversion AM, CW & SSB, 14 tubes, good

condition, with manual \$200, **Kawasaki GA 1400 Portable Generator**, 120v 1400 watts, 12 v. 8.5 a., Like new condition. \$350, Ed, KK6GO 619-224-8948

(6.10) **Fluke 77 Multimeter** Analog/Digital, W/manual \$85, **B&W Low Pass Filter**, \$20, **Waters Dummy Load-Wattmeter**, 15-50-300-1500w \$85, **QST 1976-2000** Make Offer, Kris W6KTE 760-941-3555

(5.20) **Sears Window Air Conditioner** like new - \$200, MAC Performa 6400/180, scanner, trackball NEC Monitor - \$450 Junk PC 133 MHz (works) No case, NEC Monitor, CD ROM Burner, SCSI Bus - Best Offer, Rod AC6V 760-945-6050 or ac6v@amsat.org

(4.6) **ICOM 1271A**, 1.2Ghz w/ ATV and AG-preamp. \$1000.00, **ICOM 471A** 420 - 450 Mhz, \$350.00 Steve at KO6ET@Juno.com

(3.18) **KENWOOD TS 530S** Transceiver, 160 thur. 10 meters, manuals and mike. In good condition. \$450 Bob K3DLC 858 278 4864 or hurwi7@aol.com

(3.18) W6NFB Estate Sale, **Kenwood TS 450 AT**, **Astron RS 35A Power Supply. Mic. and Dummy Load.** \$500, **ALFA 78A KW** + Amplifier. \$500 Universal Aluminum Free Standing **40 foot Tower** with Rotor, Beam, Vertical and Coax. \$275, **Drake SPR-4** Communications Receiver \$25, (needs work) Contact: Wayne in Vista 760 - 724 - 0777

(2.18) **Mosley PRO 57**, 5 band beam, \$50, Ron, NA6RS@amsat.

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Friday	2100	146.730	Hiker's Net
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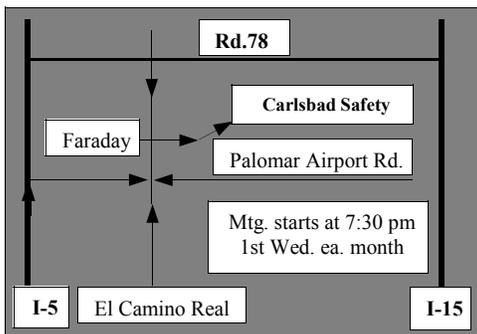
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Scope (USPS #076530) Vol. XXIX No. 12, Dec. 2002, published monthly by PARC
1651 Mesa Verde Dr., Vista, CA, 92084. *Periodicals postage pd. at Vista, CA 92085.*
Dues \$12/yr or \$21/family/yr (includes newsletter subscription)

Editor: Ron Surfield NA6RS, 2605 Emerald Pl., Escondido CA 92027
Scope address for newsletter: scope@palomararc.org



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