



# 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 \[KF6WTN@amsat.org\]\(mailto:KF6WTN@amsat.org\), or to \[board@palomararc.org\]\(mailto:board@palomararc.org\)](#)

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
<b>TOTAL ASSETS</b>	<b>\$16,140.41</b>

#### LIABILITIES

Pre-paid dues	\$11,138.00
Prop. Insurance	\$ 600.00
<b>TOTAL LIABILITES</b>	<b>\$11,738.00</b>
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](mailto: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](mailto: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+ :	<b>Normal</b>
147.075- :	<b>Normal</b>
147.130- :	<b>Normal</b>
447.000- :	<b>Normal</b>
52.680 :	<b>Normal</b>
146.700- :	<b>Packet Repeater Normal</b>
145.050 :	<b>Packet Digi Normal</b>
PALBBS :	<b>Bulletin Board Normal</b>
AutoPatch :	<b>Normal</b>
ATV :	<b>Operational</b>

## Committee Chairmen

ARESinfo.	-Dennis S	<b>K7DCG@amsat.org</b>
Attendance	-Al	<b>W6GNI@amsat.org</b>
ATV	-Bill S	<b>KB6MCU W6GIC@amsat.org</b>
Auction	-Jim C.	<b>NE6O@amsat.org</b>
Badges new	-Al	<b>W6GNI@amsat.org</b>
Batteries	-David	<b>KD6EBY DAT@Gerry.Palomar.caltech.edu</b>
BBS Monitor	-Bill B	<b>N6FMK@amsat.org</b>
Billing:Ads/etc	-Lyell K	<b>K6GVM@arrl.net</b>
By-laws	-Paul	<b>NN6X@amsat.org</b>
&	-Ron	<b>RWA9JCL r3mb@concentric.net</b>
Contest Info	-Dennis V	<b>N6KI@amsat.org</b>
ControlOps.	-filled	<b>W6NWG@amsat.org</b>
D.Mar Fair-		
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	<b>W6YOO@amsat.org</b>
DennisV	-N6KI	<b>N6KI@amsat.org</b>
Field Day	-Charlie R	<b>NN3V@ARRL.net</b>
FDTech.	-John K	<b>WB6IQS@Juno.com</b>
Historian	-	
Interference	-Bill S	<b>KB6MCU W6GIC@amsat.org</b>
Inventory	-Dennis B	<b>KD6TUJ@juno.com</b>
MtgGoodies	-Jim E	<b>W6SST@juno.com</b>
Membership	-Al W6GNI	<b>aldonlevy@juno.com</b>
Nets	-	
Newsletter	-Ron S	<b>NA6RS@amsat.org</b>
PALBBSpkt	-Bruno H	<b>KF6QDP@amsat.org</b>
Patch Info	-Stan R	<b>W9FQN@amsat.org</b>
PatchETronics	-Jerry H	<b>WB6FMT@amsat.org</b>
Picnic	-Paul D	<b>NN6X@amsat.org</b>
PowerAC/DC	-Mike P	<b>KD6VHI@amsat.org</b>
Programs	-Charlie R	<b>NN3V@ARRL.net</b>
Publicity	-Fred S	<b>K6ISS@amsat.org</b>
QSL Cards	-Merle R	<b>KR6BT@Juno.com</b>
RACESinfo	-Jo A	<b>KB6NMK@amsat.org</b>
Red Flag	-	
Rptr Site	-Mike P	<b>KD6VHI@amsat.org</b>
Rptr Skeds	-	
SANDARC	-	
SellerTable	-John K	<b>WB6IQS@Juno.com</b>
AstSWDvDir	-	
TechSite	-Mike D	<b>AB6QT@amsat.org</b>
TestingVE	-Rusty M,	<b>DuneDancer@cox.net</b>
Training	-	<b>W6NWG@amsat.org</b>
TrusteeW6NWG-Mike D		<b>AB6QT@amsat.org</b>
Web Site	-	

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

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

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

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

Other addresses of interest:

**Scope@palomararc.org**

**Board@palomararc.org**

**Membership@palomararc.org**

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

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## 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.

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## 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

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## 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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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.

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## 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.

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## 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.*

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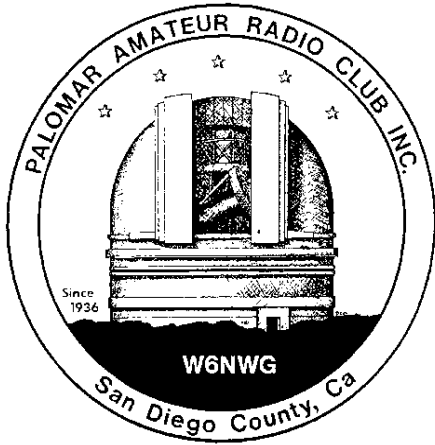
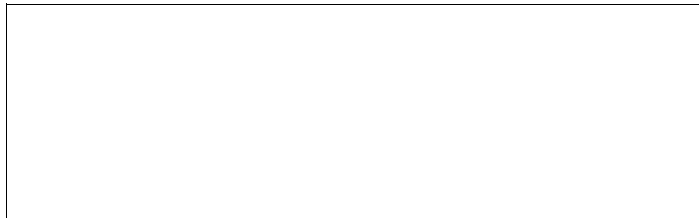
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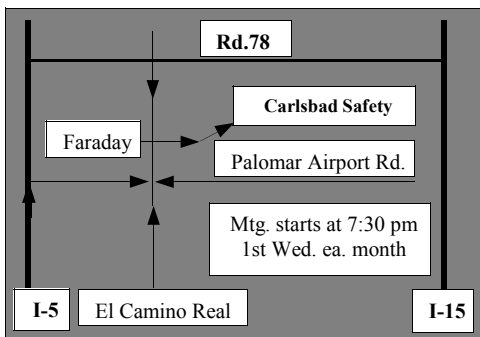
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