



SCOPE

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Palomar Amateur Radio Club

January 2018

Happy



New Year

It Appears By Spears



I hope you all had a fantastic holiday season and found lots of ham radio gifts under the tree. I am sure all of you have seen or heard of the holiday classic movie "A Christmas Story" In addition to the movie version a new live TV show was featured this year. As it turns out Raphie should have been

asking for a Ham Radio instead of a Red Rider BB Gun. Jean Shepherd the author and narrator of the story was an avid ham radio operator. At various times he held the call signs W4QWN, W8QWN, W3STE and K2ORS. He was known to talk to hams throughout his life.

As you can see we have a very small issue this month as I received no submissions. If you got a new toy for Christmas, please write a story about it.

Wishing you all a safe and happy New Year.

73 de KM6CXW
Keith Spears
Editor



Board Members and Committee Chairs

Board of Directors

President	Joe Peterson, K6JPE	(619) 630-8283
Vice President	Charlie Riistorcelli, NN3V	
Treasurer	Tom Ellett, W0NI	(858) 546-1148
Secretary	Rainer Muller	
Director 1	John Kuivinen, WB6IQS	(760) 727-3876
Director 2	Greg Gibbs, K16RXX	760-583-9668
Membership Chair	Glen Christensen, A16RR	(858) 735-1144
Repeater Technical Chair	Mark Raptis, KF6WTN	
Scope Editor	Keith Spears, KM6CXW	(858) 472-8442 Text Welcome

Not on Board

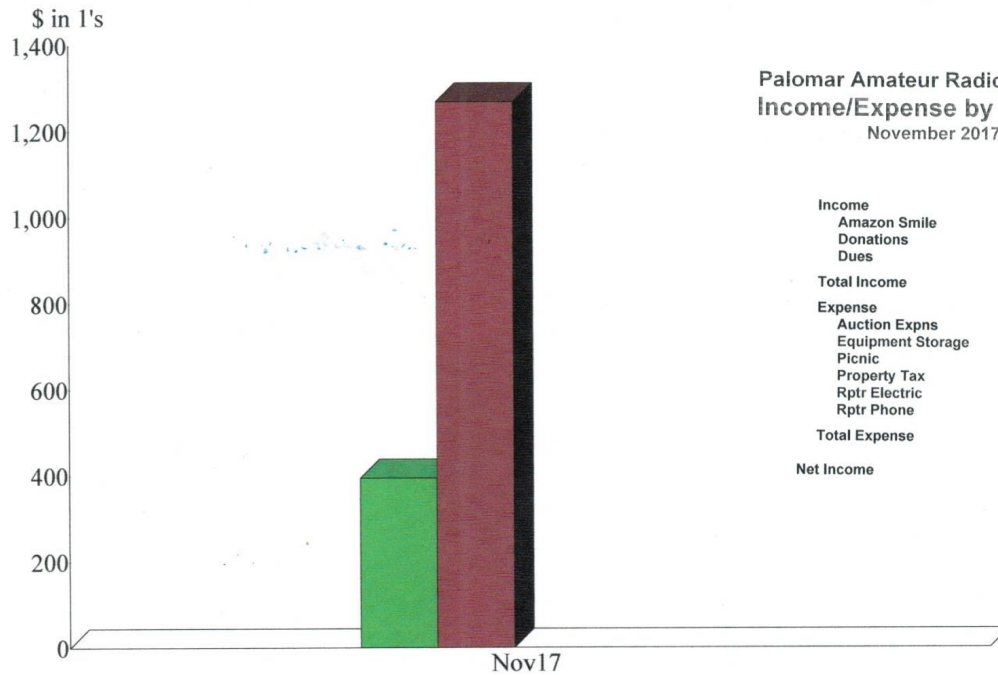
Repeater Site Chair	Mark Raptis, KF6WTN	(Acting)
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Committee Chairs

Boy Scouts	Michael Palugod	mpalugod@yahoo.com
Digital ATV	Michelle Thompson, W5NYV	mountain.michelle@gmail.com
Echo Link	Bernie Lafreniere N6FN	N6FN@niftyaccessories.com
HF Remote	HF Remote SIG	hfremote@palomararc.org
Mesh Networking	Michelle Thompson, W5NYV	mountain.michelle@gmail.com
Operating Day	Tom Martin K6RCW	k6rcw@amsat.org
SANDARC Representative	John Walker AC7GK	ac7gkjohn@gmail.com
SANDARC Representative	Paul Williamson KB5MU	kb5mu@amsat.org
SD Microwave Group Liaison	Kerry Banke N6IZW	kbanke@sbcglobal.net

Palomar Amateur Radio Club, Inc.
Income and Expense
November 2017

Income
Expense

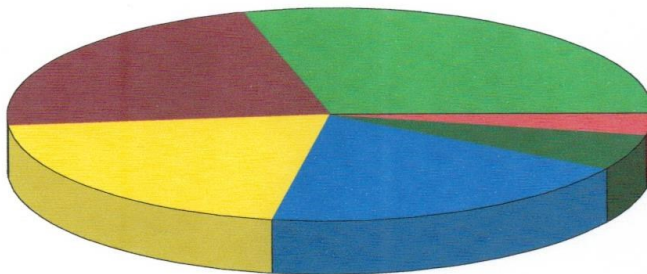


Palomar Amateur Radio Club, Inc.
Income/Expense by Category
November 2017

	Nov 17
Income	
Amazon Smile	31.14
Donations	123.00
Dues	241.04
Total Income	395.18
Expense	
Auction Expns	373.50
Equipment Storage	245.00
Picnic	264.69
Property Tax	282.84
Rptr Electric	70.45
Rptr Phone	33.12
Total Expense	1,269.60
Net Income	-874.42

Expense Summary
November 2017

Auction Expns	\$ 373.50
Property Tax	282.84
Picnic	264.69
Equipment Storage	245.00
Rptr Electric	70.45
Rptr Phone	33.12
Total	\$1,269.60



By Account

January Program

Technology Hour. - This month's program is aiming to present the first of a series of technology oriented sessions. In this program, KF6WTN will describe in comprehensible direct terms the hardware stages, and the RF processing accomplished by each stage of a radio transceiver. The classical processing performed by discrete stages will be contrasted with the processing that is performed in a modern SDR. Questions and answers will be addressed as to specific processing techniques performed throughout the transceiver stages.

Election Results

The following Individuals were elected as officers for 2018.:

Position	Candidate
President	Joe Peterson
Vice President	Charlie Ristorcelli
Treasure	Tom Ellett
Secretary	Rainer Muller
Director 1	Greg Gibbs
Director 2	John Kuivinen

Upcoming Events

Wednesday, January 3rd	7:30	PARC Meeting	Carlsbad Safety Center
Wednesday, January 10th	7:00	PARC Board Meeting	Poway Fire Station #3
Wednesday, February 7th	7:30	PARC Meeting	Carlsbad Safety Center
Wednesday, February 14th	7:00	PARC Board Meeting	Poway Fire Station #3
Wednesday, March 7th,	7:30	PARC Meeting	Carlsbad Safety Center
Wednesday, March 14	7:00	PARC Board Meeting	Poway Fire Station #3

Repeater Status

This list includes W6NWG repeaters operated by PARC and other repeaters open to use by PARC members. All W6NWG repeaters are located on Palomar Mountain and are open to all amateurs.

Frequency	TX	Tone	Call sign	Remarks
52.680	-	107.2	W6NWG	Back on the air
146.730	-	107.2	W6NWG	System Fusion enabled. See Note 1
147.075	+	107.2	W6NWG	System Fusion enabled. See Note 1
147.130	+	107.2	W6NWG	System Fusion enabled. See Note 1
447.000	-	107.2	W6NWG	FM only for EchoLink Call Sign N6FN-R
224.900	-	107.2	WD6HFR	Convair/220 ARC
224.380	-	107.2	KK6KD	HARS Hispanic Amateur Radio Society Open
224.940	-	107.2	KK6KD	HARS: Sharp Chula Vista Hospital, Open
145.260	-	107.2	KK6KD	HARS: San Diego Open
147.945	-	107.2	KK6KD	HARS: System Fusion Mt. Miguel Open
448.460	-	151.4	KK6KD	HARS: Mt. Miguel, San Diego Open
145.460	-	110.9	XE2DXA	HARS: Tijuana, Mexico Open
146.970	-	107.2	KA3AJM	Vista-Sponsored by MetroNET
146.175	+	107.2	N6FQ	Fallbrook ARC; linked to 445.600
445.600	-	107.2	N6FQ	Fallbrook ARC; linked to 146.175
145.050	s	N/A	W6NWG-1	Packet node; linked to metro 9600 net 1
146.700	-	N/A	W6NWG-3	Packet duplex repeater; Duplex 3

PARC operates an armature fast-scan television repeater. It's currently off the air. Currently there are not links to other ATV sites.

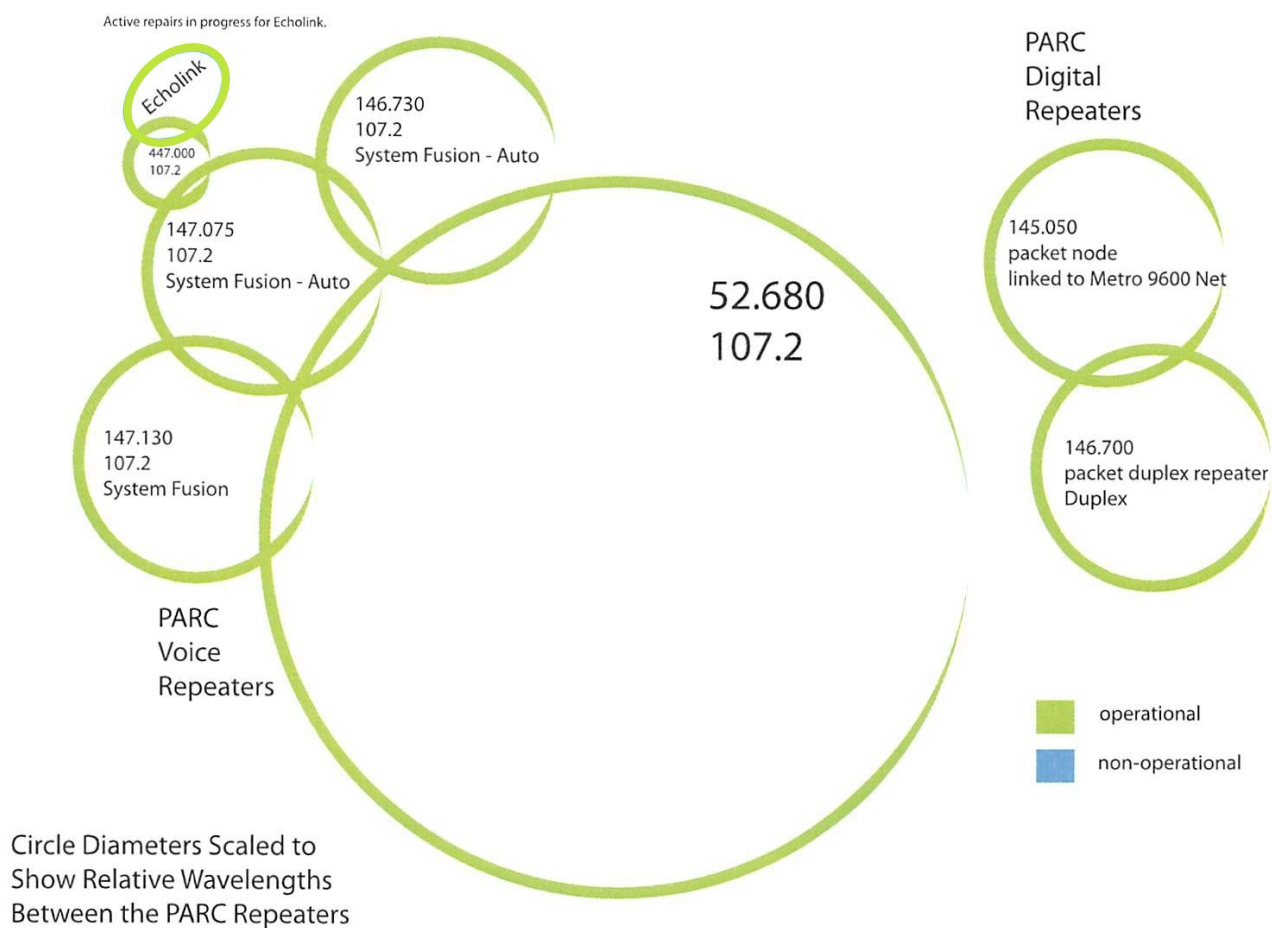
- ATV in: 915 MHz WBFM audio subcarrier 5.8 MHz
- ATV in 2441.5 MHz WBFM, audio subcarrier 6.0 MHz
- Intercom: 146.415 MHz NBFM simplex (tone 79.7). Currently not working.
- ATV out: 1241.25 MHz VSB, NTSC Standard

The PARC repeater site on Palomar Mountain is located at 5560 feet above mean sea level and 2132 above mean terrain. It covers most of San Diego County and beyond into Mexico and out to sea, and is shielded from the North.

Note 1: All Fusion enabled repeaters require a CTCSS tone of 107.2 Hz to access the repeater and also transmit a 107.2 Hz tone. Since the repeater output has a 107.2 tone you can enable CTCSS receive tone squelch on your transceiver which will eliminate interference from spurious noise and other repeaters. Control operators have the capability of setting the Fusion Repeaters to FM only operation. Consequently if you can't bring up the repeater in C4FM digital mode, try using normal FM mode. When in FM mode all Fusion repeaters have a 3 minute maximum transmit time, after which the repeater will cut off transmission until after the received signal drops. To prevent timing out the repeater after someone finishes talking, wait until you hear the courtesy beep which indicates that the 3 minute time has been reset. If a transmit timeout happens the repeater will provide a voice message indicating that the maximum transmit time has been exceeded.

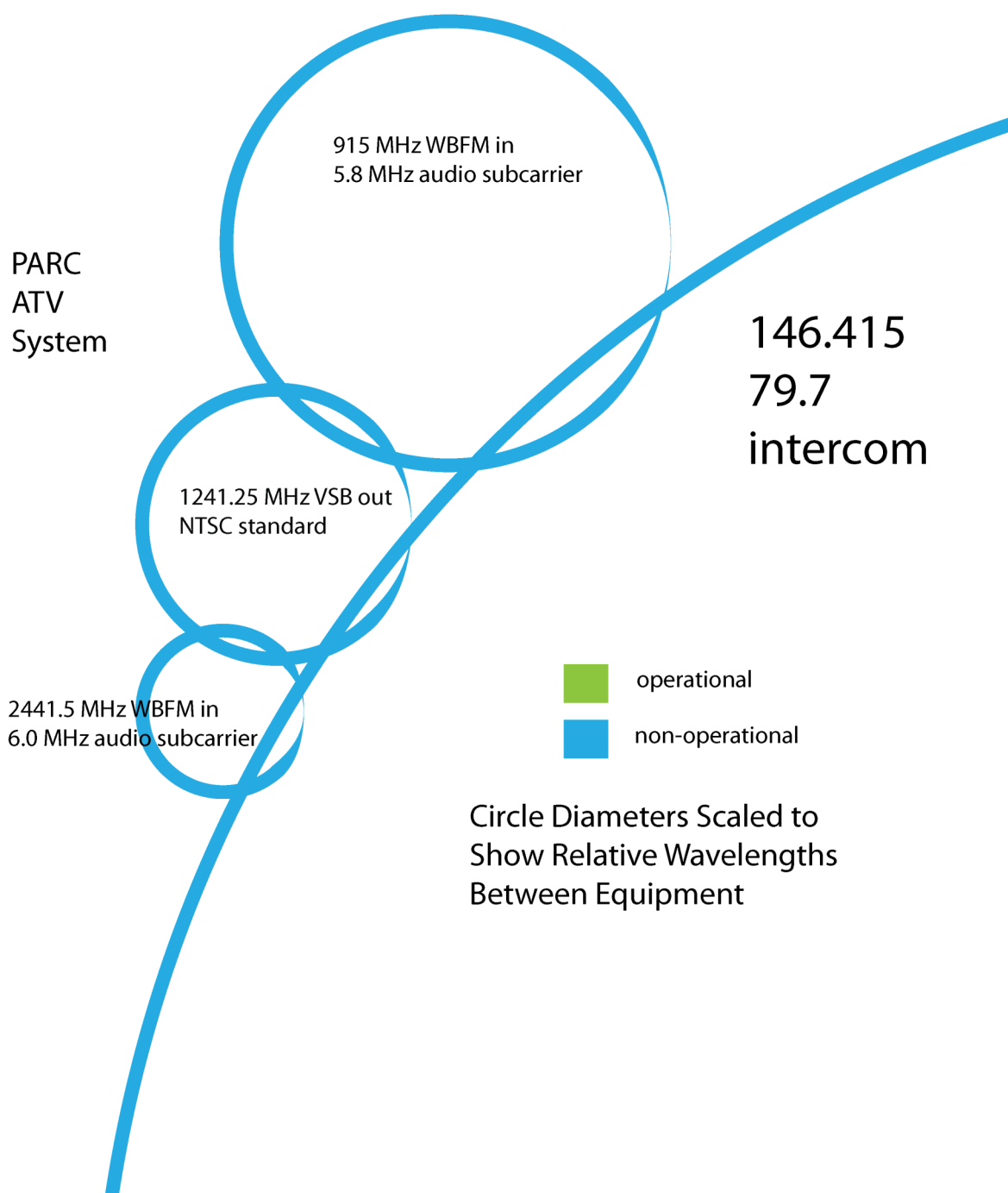
Note 2: PARC no longer operates an autopatch or packet BBS

Reported Repeater Status



Thanks to Michelle Thompson, W5NYV for the repeater status graphics.

Reported ATV Status



Membership Report

You can check the status of your membership 24/7 at Member List or go to the club's website and navigate to Join and click on "here" at the top of the page. Enter your call sign into the box and click the "Look up my membership status

now" button. To renew your membership or extend your membership, fill in the form on the Join page. Make sure you select the correct value from each of the drop-down menus (Type of Membership, How many years, I'm an ARRL Member,

Newsletter option and License Class). If you want to receive an email when your membership is coming due for renewal, please make sure that I have a valid email address for you. To do that, please send an email to Membership@palomararc.org.



Check the status of your membership 24/7 at [Member List](#). If you don't find your name and callsign on that page, then your dues have lapsed. If you have questions, send email to Membership@palomararc.org.

Donate to PARC by Shopping at Amazon

As publicized earlier this year, PARC is now a not-for-profit charity, and funds donated to PARC are deductible for income tax purpose if you itemize. PARC also announced

that in cooperation with Amazon, it is now possible to shop on Amazon at NO cost increase, and have Amazon distribute a percentage donation to PARC.

This is done by shopping on www.smile.Amazon.com. If you choose to avail yourself of this opportunity, when shopping on www.smile.amazon.com,



Polo Shirts

We're ordering Polo shirts! Some of you already have orders in with me from the last meeting, please be ready to pre-pay for them so we can get the order placed ASAP! We need

20 shirts to get the price I've been quoted. If we end up with 30+ then the price goes down and I'll have a little change for those who have pre-paid once your shirts come in! Base price: \$21.00 includes printing on the front, PARC logo on one

side and your name/callsign over the pocket. Add \$2.00 for 2XL, \$3.50 for 3XL, or \$5.00 for 4XL. Add \$5.00 if you also want the logo printed large on the back.

73 de K6JPE



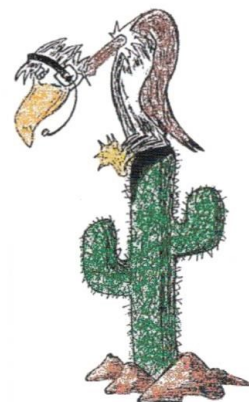
2018 Southwestern Division Convention

Yuma Hamfest

Yuma, Arizona

Feb. 16 & 17, 2018

Yuma County Fairgrounds
2520 East 32nd Street, Yuma, Arizona



www.yumahamfest.org

Check the Website for Additional Information

Gates Open for Camping Thursday, 2 pm Vendor Setup Friday, 7 am - Noon	Event Hours Friday, Noon - 5 pm Saturday, 8 am - 5 pm	Hamfest Dinner & Grand Prize Drawing Saturday Night 6:00 - 8:00 pm
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Vendors & Exhibitors
Consignment Sales
License Testing
Hourly Door Prizes
On-site RV Camping
Hamfest Dinner
ARRL Speakers
Transmitter Hunt
\$5.00 Admission

Tailgating (Swap Meet)
Full Seminar Schedule
DXCC Card Checking
\$25,000 in Grand Prizes
Emergency Preparedness
Admission Prizes
Hospitality Area
Near Space Balloon Launch
Antenna Clinic & T-hunt

W1AW /7 Special Event Station

Hamfest Talk-In Frequency: 146.780 (–) PL 103.5 Hz

Email Contact: **info@yumahamfest.org**



We are proud to have the Amateur Radio Council of Arizona (ARCA) as a sponsor of our event.

The Yuma Hamfest is an American Radio Relay League (ARRL) sanctioned event.



Presented by the Yuma Amateur Radio Hamfest Organization

SCOPE
PUBLISHED BY THE
PALOMAR AMATEUR RADIO
CLUB

EDITOR
KEITH SPEARS
KM6CXW

Editorial Policy

The Scope welcomes and encourages members to submit articles, photos, stories, equipment reviews and any other items of interest to ham radio.

The Palomar Amateur Radio Club reserves the right to edit all submissions for content and length.

Please submit documents in MS Word format and photos as JPEG or GIF. Flyers may be submitted in PDF.

All submissions need to be received by the 20th of the month.

Send submissions to:

scope@palomararc.org



Palomar Amateur Radio Club

The Back page is a place for ham radio humor. If you have a joke, cartoon or just a fun story about ham radio, please share it with me.



New Years Jokes

What happened to the Irish man who thought about the evils of drinking in the New Year?

He gave up thinking

Where can you find comedians on New Years Eve?

Waiting for the punchline

What do you cows celebrate on December 31st?

Moo Years Eve

On New Year's Eve, Marilyn stood up in the local pub and said that it was time to get ready.

At the stroke of midnight, she wanted every husband to be standing next to the one person who made his life worth living.

Well, it was kind of embarrassing. As the clock struck, the bartender was almost crushed to death.

An iPhone and a firework were arrested on New Years Eve.

One was charged and the other was let off.