



HIT 'N' MISS

Newsletter of the
Western Antique Power Associates

www.wapa.us

JULY, 2017

President's Report By Ron Haskell

Many of you don't know but a couple of our members are leaving WAPA to move halfway across the country. Mary Holz-Clause and her husband Reg Clause are leaving beautiful Cal Poly and California for frigid Minnesota. Mary was the Dean of the Huntley College of Agriculture and Reg worked in Development. We hope to keep them up-to-date on activities through the Hit N Miss and email.

Bob Smith and I, along with our wives, recently attended a going away party for them at Cal Poly. While many thanks were being given I was amazed by all the grants and donations that Mary had acquired for the school, then I thought of the friendly manner she always treated me with when we met; and I thought if she asked me for a donation I probably couldn't refuse either. She and Reg are just like your favorite neighbor always with smiles and a good word. They attended many of our functions, visited the Western 200 at the Citrus Park, and even took Ken and Larry Evans' tour of Mount Wilson. Their help and encouragement in getting a home base at Cal Poly will always be remembered. I warned Reg it might be a little cooler in Minnesota than here, but they have been there before and will have family close by.

Mary will be the Chancellor at the University of Minnesota, Crookston, where I am sure she will quickly be a great asset. In the interim, Mary's associate dean Lisa Kessler will be taking over until a permanent replacement can be found. From all indications she is very favorable to WAPA and our goals.

Once again we wish Mary and Reg great success in their new adventure.

I've included a thank you note Mary sent to us.

Dear Bob and Ron and all the WAPA members: By Mary Holz-Clause

Thank you for all you do for Cal Poly Pomona. We have been so blessed to have been associated with you and have you as our friends. CPP is so fortunate that you have been part of the college. Sorry we didn't get your building done during our tenure, but don't give up on us. We will eventually make it happen.

Thank you for the lovely plaque. We will hang it proudly and think of WAPA and smile. You provided us so many wonderful memories.

Here is our future contact information.

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All of our best wishes and prayers continued for your wife Bob. Mary

WAPA BOARD OF DIRECTORS MEETING
SATURDAY, JULY 1
9:00 A.M.
AGRISCAPE BUILDING AT CAL POLY
(NEXT TO THE FARM STORE)

Part 5: My Sattley "The Cart" By Bob Smith

As I said last month, I needed a cart strong enough to safely carry this rather large piece of iron, in my opinion. I am used to smaller engines under the 5 HP size. Once again I went to Dale Linn for help.

We started by going to Patton's Steel Supply in Ontario for some remnant size pieces. We went with 5" channel for the frame rails. If you look at the pictures you will notice holes in the bottom end of each channel on the 4 corners. I had Dale put these in for the tie-downs during transport. On the top edge I had Dale weld 3/4x1-3/4 flat bar and drilled and tapped 4 holes to match the mounting holes in the base of the engine. For the axles we used 1-1/4" square tubing with a 1" round rod welded in each end to accept the wheel. The rear axle was welded in place using V-brackets while the front was made to pivot in the center. Dale had an old heavy duty caster so we took off the wheel and welded it to the frame and axle. This made for a good pivot with ball bearings. The wheel legs that were cut off the caster were welded to the front of the axle to accept the tongue. A hitch pin is used to easily remove the tongue during storage and at a show. Now the wheels are custom made by Dale. Since he does not have a roll, I turned to my friend at Vanguard Fab in Fontana to roll me 4 wheels. Dale made a jig to hold the outer ring along with the inner hub and cradles in the jig to hold in



place 8 round bar spokes to allow Dale to tack everything into place. Final welding was done outside the jig. If you look closely at the picture of the front axle you will see a 1/2" square stock welded to the bottom of the caster protruding to the front with 2 stops welded to the frame at about 30 degrees. When you turn the front axle it will strike the stop prior to the wheel hitting the frame rail.



Once Dale finished the cart and we shook hands, I took it to a powder coater in Ontario to have it powder coated. To really set it off, I asked one of the CAD engineers at work to copy the Sattley name in digital form. Once done, I sent it to a decal shop in Chino to have 2 decals made to go inside the frame rails on each side.

This is a cart that will last forever. Next month "The Painting".

Helpful WAPA Friends By Bob Smith

I hope all of you have been reading and enjoying my articles on the 5HP Sattley I have been restoring. Well the engine is complete and the official launch was the Steve McQueen Car Show at the Boys Republic on June 3rd. I didn't break a champagne bottle over it because I might damage the paint job.

The reason for the article is to let you know what this club is all about. I spent a lot of time restoring and getting the engine running but it needed some fine tuning. Several WAPA members came by and gave me a few pointers and after some adjustments and several restarts, the engine ran very well for the duration of the show. Now if any of you have a project you are working on and need some assistance there are several members who are willing to share their expertise to help you with your project. I really appreciate the help all these individuals gave me to get my engine running smoothly.



Western Antique Power Associates Minutes of the Board of Directors June 10, 2017

Board Members Present	Ron Haskell, Stevie Mote, Dave Stockton, Don Young, , Joe Siddons, Bob Smith
Board Members Absent	Kelley Garcia, Jim Davis, Rob Skinner, Lance Wilson
Members Present	LeRoy Overstreet, Tom Millett, Carey Stockton, Gus Lukrofka, Dale Linn, Paul Liverman Jr., Lance Bryant, Roger Hahn, Carl Pftzing, Danny & Joann Ponce, Dan Kato
Visitors	Patrick Mingo
Call to Order	President Ron Haskell called the meeting to order at 9:01 AM.
Flag Salute	Led by Ron Haskell
President	Ron Haskell welcomed all in attendance and encouraged the membership to participate in discussions. He announced that the Dean of Agriculture Mary Holz-Clause will be leaving Cal Poly, and that WAPA will be presenting her with a plaque for her service and her support of WAPA.
Vice President	Stevie Mote was glad to be back.
Secretary	Motion by Dave Stockton to approve the minutes of the Board of Directors meeting held on May 6, 2017, second by Bob Smith, all in favor, and entered into record without correction.
Treasurer	Kelley Garcia absent. No report. President Haskell indicated that Kelley has received a FINRA check from Wells Fargo Bank in relation to our past investment activity.
Membership	Jim Davis absent. No report.
Purchasing	Lance Wilson absent. No report.
Show Director	Rob Skinner absent. On a motion by President Haskell, the Marina Del Rey show has been sanctioned, seconded by Bob Smith, all in favor. The Marina Del Rey show is on Sunday, July 23, 2017.
Library	Club Librarian Joe Siddons had nothing to report. He received the original paperwork for a Club-owned air compressor for inclusion in the library.
Safety	Director Don Young reminded all to practice safety.
Museum	Director Bob Smith reported that the wind mill project is awaiting an OK for a go-ahead on it's construction. The tail section has been restored and the windmill is ready to be assembled in place.
Editor	Carol Haskell welcomes new articles, stories, ads, etc. and needs articles of interest for inclusion in the newsletter. She wished to express her apologies for the newsletter being a bit late this past issue.
Cal Poly Restoration Project	Bob Smith and crew have been at work on a Worthington tractor and are finishing up on it's restoration.
Riverside Citrus Grove Project	Ron Haskell and crew have been at work wood-paneling the inside of the building. They drained the engine's cooling system and replenished it with clean water. He says they are working towards pouring the rest of the concrete floor in the back third of the building. Possible upcoming Fun Day, to be announced.
Unfinished Business	There is an 80 HP Western engine at the Perris Fairgrounds that needs to be moved, and WAPA has received permission from Cal Poly to place it in front of the farm store for public display.
New Business	WAPA to pick up donated items from Don Young.
Announcements	Dan Kato and Ron Haskell each donated a large assortment of tools and miscellaneous items to interested Club members. Phil Sigmon donated a F-M Z to the Club and Tom Millett has gotten it running.
Adjournment	10:03 AM
Next Meeting	Saturday, July 1, 2017 at 9:00 AM Dave Stockton, Secretary



**Old Fashioned Day in the Park, Marina del Rey
By Ken Evans**

It is time again for the Marina del Rey Show. On the fourth Sunday of July, WAPA supports the Classic Yacht Association's Old Fashioned Day in the Park at Marina del Rey by bringing our engines and equipment and joining various car clubs for a nice day at the seashore. The show is held at Burton Chace Park, right at the docks on the western end by the Helmsman statue. So here are the particulars:



What: Classic Yacht Association's 41th Annual Old Fashioned Day in the Park

Where: Burton Chace Park, Marina del Rey

When: Sunday, July 23, 2017

Time: Set-up begins at 7:30 a.m., our vehicles out of area by 8:30 a.m. The show starts at 10 a.m. and closes at 3 p.m.

Parking: There will be limited free parking inside the park as we have done last year. No trailers unless part of the display. Otherwise you will have to pay to park far away at the boat launching ramp.

Directions: Burton Chace Park is at the end of Mindanao Way just west of Lincoln Blvd. in Marina del Rey. One way there is to go west on the Marina Freeway, Cal 90, from the 405 Freeway and turn left on Mindanao Way. Go to the end and at the turn around there is a gate and there will be someone from the Yacht Club to let us in. Follow the grassy road through the park to the paved section and then left to the south west corner of the park. There is a grass knoll with a statue of a

Helmsman. This is where we set-up. Bring your own supplies.

For information call Ken Evans at 626-683-8372.

2017 WAPA Officers

Editor	Ron Haskell
Museum Director	Steve Mote
Purchasing Librarian	Kelley Garcia
Rob Skinner	Treasurer
Don Young	Vice President
Jim Davis	Secretary
Dave Stockton	Membership
Joe Siddons	Safety
Lance Wilson	Show Director
Bob Smith	Librarian
Carol Haskell	Museum Director



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Show Report Steve McQueen Car and Motorcycle Show 2016 By Rob Skinner

The Steve McQueen event at the Boys Republic is one of my favorite WAPA shows. The degree of planning that goes into this event is evidenced by the sheer variety of displays. A wide range of Porsches and Mustangs are represented, Ferraris, Lamborghinis, motorcycles, trucks, military vehicles, a couple aircraft, and even a jump track where motocross riders flaunt their mad skills.

For those who haven't heard the oft-told story, Steve McQueen was a kid who got into trouble. The judge sent him to the Boys Republic, a school whose motto is "Nothing without Labor." Kids who are sent to the school are not only expected to

exhibit good behavior while completing their studies, but to learn a trade, as well. McQueen got straightened out, and went on to achieve success. Throughout his life, Steve always remembered the school and supported its mission. Today, the kids learn everything from agriculture, masonry, culinary arts, baking, and landscaping. When their education is complete they are able to go out and start careers as hard-working adults.

The car show supports the school in the memory of Steve McQueen, and is a major fundraiser. WAPA is proud to be an integral part of this event. This year we put on a spectacular display, filling our traditional area, and spilling over to the other side of the road. We set up right next to the spectator entrance, so we have a steady flow of spectators throughout the day.



Special mention goes to Robert Richardson and Jake Williams, who really went above and beyond with their support of WAPA and the Boys Republic. The guys brought out and ran an 1897 Case steam traction engine owned by Monica Dirac. Hers is the oldest center-crank Case known to exist. Larry McCullah nailed the car/engine/steam themes with his flat bed truck with a steam engine mounted on the back.

As always, WAPA members brought out a wonderful array of machinery that was greatly appreciated by the viewing public and the show promoters. Thanks to everyone who attended.

**Penetrating Oil
Submitted by Jim Davis**

I found this on the Web. Machinist's Workshop magazine actually tested penetrating oils for break out torque on rusted nuts.

There were significant results!

They are below, as forwarded by an ex-student and professional machinist.

They arranged a subjective test of all the popular penetrants with the control being the torque required to remove the nut from a "scientifically rusted" environment.**

Penetrating oil Average load

None	516 pounds
WD-40	238 pounds
PB Blaster	214 pounds
Liquid Wrench	127 pounds
Kano Kroil	106 pounds
ATF-Acetone mix	53 pounds

The ATF-Acetone mix was a "home brew" mix of 50/50 automatic transmission fluid and acetone.

Here is what you need. A cheap spray bottle. In this bottle mix a 50/50 mix of 100% acetone and dextron/mercron automatic transmission fluid. The two fluids will separate like oil and vinegar so you have to shake the bottle well before spraying.



This photo shows some of the progress we have made on the building where the 200 Western engine is located in the Citrus Park in Riverside. We've installed paneling, with a display shelf above the paneling. More to follow.