



HIT 'N' MISS

Newsletter of the
Western Antique Power Associates

www.wapa.us



OCTOBER, 2012

**WAPA BOARD OF DIRECTORS
WILL MEET
SATURDAY, OCTOBER 6
9:00 A.M.
AGRISCAPE BUILDING AT CAL POLY
(NEXT TO THE FARM STORE)**



Old Engine Timing

By Ron Haskell

When working on your old flywheel engines, have you ever worried about the correct spark or valve timing? The generic valve timing is: the exhaust valve should start opening at 35 to 45 degrees before bottom dead center on the power stroke, and be closed by 5 degrees after top dead center on the exhaust stroke.

Spark timing should be 3 to 5 degrees before top dead center on the compression stroke for each 100 RPM's that the engine is running (not the rated RPM's) with the 3 degrees being for high tension ignition and the 5 degrees for low tension ignition.



**Larry Madole's
Fun Day**
Mark your calendar
January 12
Plan now!
Bring your unwanted items for
the silent auction.

My View

By Tom Millett

Our Board of Directors meeting coming up on October 6 is actually the annual Membership meeting called for in the by-laws. For newer member information, this is the time that officer and director names are placed in nomination for election. The standard joke is, "Be there to protect yourself from being railroaded into a position on the board". Of course, that's not really the case, but we have some newer, younger members with excellent ideas and change is always good, as long as it's not just for the sake of change. Remember the good old days when we practically had fist fights trying to get a position on the Board? I'll never admit I was a party to it all, but somehow I was there to witness it. I never will forget the day I was chastised for some unkind remarks I made toward another candidate. Ah, those days may have fallen to the history books.

So, the message is, come out and enjoy a Saturday morning with a great group of members. There's plenty of coffee and fat pills. We now have a great room with plenty of seating in the agri-training room adjacent to the farm store. See you there.

Safety Tips--Seeing red

By Joe Siddons



How many of us have first aid kits at home or in our cars or trucks and have not looked at them since we got them? Now is the time before we need to use them. Go through the kit and make sure it has everything that is supposed to be in it, and if so, are they in the proper condition? Check and make sure any expired items have been replaced. Also, read any information that comes with the kit so you have a better idea of what to do if the need arises.

2012 WAPA SHOWS



- October 13 Aliso Viejo Founders Day Fair
(Paid Show)
- October 20 Glendora Pumpkin Festival
- November 10 Flabob Airport Veterans Day
- December 1 Victorian Christmas (Paid Show)

October Birthdays:

David Christensen	Craig Maxwell
Derek Christensen	Chuck Ostrander
Beverly Helm	Francine Rippy
Don Hunter	Giles Rowlands
Bruce Marian	Greg Stires

HAPPY BIRTHDAY!



Member Profile - Roger Hahn By Tom Millett

Roger was born in Iowa, but became an Indianan at age seven. The family moved to Southern California in 1969 where Roger graduated from Arcadia H.S. in '74 and went on to graduate from Indiana University School of Business in 1983. He has lived in and raised his family in Glendora for the past 19 years. He is married to wife Emily and they have four grown children. Roger has been in the industrial pump business most of his adult life. For the past 11 years he has worked for Penair, a fire and industrial pump distributor which handles names such as Fairbanks Morse and other companies. He is Regional Sales Manager for the company.

Roger saw our WAPA display at Cal Poly during one of the first ever car shows there. Since he was interested in tractors at the time, he accumulated a Farmall Super C and a Cub. He displayed the Cub at the last Cal Poly show and decided to join WAPA that very day. Shake his hand the next time you see him. And by the way, he's looking for a hit-miss engine, but somewhat smaller than the Rob Skinner variety.

This old iron By Bob Smith

Featuring Rob and Kelley's 1908 25hp Western built by the Western Gas Engine Co. of Los Angeles, Ca.



They purchased the engine from Ron Ludford who salvaged the engine from a collapsed stamp mill building on the Swastika Gold Mine in Coarsegold, Ca. in 2000. The original stamp mill is on display at a museum in Nevada City, Ca. After Ron got the engine out of the mine, he did extensive restoration work to get the engine in operating condition. Since the engine was originally operated on a concrete pedestal, Ron used photos of portable Western engines to fabricate a copy of an original. Ed Cooksie did the machine work on the brass fuel and water pump.

The large 6" Lunkenheimer oiler was missing. This is a unique oiler where the glass reservoir feeds 4 sight glass drip tubes. After extensive searching, Ron discovered an original owned by Bill Peterson. Ron convinced Bill to sell him the oiler only if he gave it a good home. Ron cleaned the oiler in preparation to install on the Western and after closer inspection, discovered a serial number stamped on the bottom of the reservoir. It had to be fate but the serial number on the oiler matched the serial number of the Western. After Rob and Kelley acquired the Western, Rob did machine work on the intake valve mechanism. Come to a show and see this wonderful piece of California history.

FOR SALE

1½ HP John Deere h&m on original style cart.
Complete except for mag wire. Needs TLC.
Comes with two new pan gaskets. \$600.00 OBO.
Cherry Picker in good working condition.
\$80.00 Joe Siddons 626-200-3054

The Western Antique Power Associates is a 501(c)3 organization comprised of individuals who are dedicated to the preservation of antique engines, agricultural equipment, industrial tools, and other machinery that is part of our heritage.

For more information, please visit us at www.wapa.us.

**Western Antique Power Associates
Minutes of the Board of Directors
September 1, 2012**

Board Members Present Dan Kato, Kelley Garcia, Joe Siddons, Leroy Overstreet, Ernie Harmon, Acting Secretary Tom Millett.

Board Members Excused Bob Smith, Craig Maxwell, Chuck Mayernick, Rick Racette.

Members Present Tom Fee, Ron Haskell, Dale Linn, David Gregg, Gus Lukrofka, Don Young, Rob Skinner, Jim Davis, Al Antonucci, Phil Sigmon, Jerry Nichols, David Pasillas, Roger Hahn.

Visitors Steve Lukrofka.

Call to Order President Dan Kato called the meeting to order at 9:00 am in the Botanical training room at Cal Poly. Flag salute led by Dan Kato. The board appointed Tom Millett to serve as acting secretary for the September, 2012, meeting in the absence of secretary Bob Smith.

REPORTS: President Dan Kato announced that he had appointed Bob Smith and Tom Millett as Nominating Committee for 2013 board candidates.

Vice President Rick Racette absent, no report

Secretary Bob Smith absent. Leroy Overstreet made a motion to approve minutes of the August 4, 2012 board meeting. Second by Dan Kato. All in favor.

Treasurer Treasurer Kelley Garcia presented the summary report from 1-1-12 through 9-1-12. Total expenses were \$5,901.22 and total income was \$4,309.03. Account totals as of 9-1-12. Cash Accounts \$26,107.87. Smith Barney Accounts \$166,249.04. Since there were concerns at the August, 2012 meeting over the negative cash flow, Kelley gave a very good, detailed report on the investment revenue from Smith Barney that more than offsets that negative month to month revenue/expense deficit. On motion by Dan Kato and seconded by Joe Siddons, the report was accepted to receive and file. Kelley announced that the filing fee of the annual Federal 990 tax form has gone up and the complexity of filing has increased greatly. It was the conclusion of the board to have the form completed by a tax professional.

Membership Chuck Mayernick absent. The membership report was read by President Kato. As of August 31, 2012, the total paid members are 117. Total Life Members 25, 1 Charter member and 4 honorary members. President Kato introduced new member David Pasillas.

Purchasing Leroy Overstreet had no new purchases to report. Leroy reported he has cleaned up the club corn grinder for upcoming shows. He found the engine will not start on the mag and requires battery start. Mag bearings are bad. He will pick up corn for the shows that are coming up. The club tractors at the Madole yard were started, except the 10-20 which has a stuck piston from water coming into the cylinder.

Safety Joe Siddons had no report. Ron Haskell suggested that the club purchase additional rope stanchions so that someone in Riverside can keep them for shows in that area. Board approved unanimously. There was a volunteer from the floor to assist in providing bases for them. Ron Haskell will handle.

Shows The two shows coming up in September, South Pasadena on the 16th and Duarte on the 22nd have been sanctioned. The Duarte show is new and members are encouraged to support it.

Library Ernie Harmon had nothing new to report.

Museum Craig Maxwell absent no report

Editor Tom Millett asked that anyone having something to share in the Hit 'n' Miss with all members, send it to him. Ron Haskell pointed out that if a filler page is needed for articles, as long as it's done in black and white, the cost is minimal and requires no added postage.

Glendora Castle Tom Millett reported nothing new going on.

Cal Poly Restoration Project John Deere 50 parts have arrived. Now awaiting gasket sets to commence reassembly. The Caterpillar 22 has a disintegrated clutch disc, which requires disassembly. It's a project for the future. Dan Kato is attempting to get a safety training class put together for those interested in working at Cal Poly.

Unfinished Business None

New Business Board approved WAPA to pay Rob Skinner for one half of the expenses for the annual domain name registration and hosting for our web site. Vote was 5 in favor and one abstention because of conflict of interest.

Announcements President Kato encouraged all members to consider running for the board of directors. They can contact Tom Millett or Bob Smith to place their name in nomination. Dan also announced that the annual meeting will be on October 6 in combination with the board meeting. They were reminded that the by-laws require 10% of membership attend that meeting where nominations are taken from the floor. If there is only one nominee for each director's position, no formal election is required. However, all members interested should seek nomination.

Adjournment 10:22 am
Tom Millett, Acting Secretary



Gus Lukrofka



Larry Madole

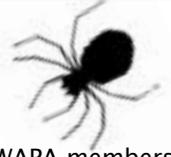


Bob Smith



Merle Morse & Ernie Groce

Corn Feed Run Show By Bob Smith



It does the heart good to see so many WAPA members turn out for a show. On August 25 we had a total of 17 members showing equipment. They were Jack Johnson, Cody Johnson, Joe Giocomarra, Leroy Overstreet, Dale Linn, Ron Haskell, Joe Siddons, Ernie Groce, Dorothy Groce, Larry Madole, Rob Skinner, Kelley Garcia, Merle Morse, Charles Garrigues, Kathy Garrigues, Gus Lukrofka, and Bob Smith. Making an appearance to support the club was Jeff Holmes, Beverly Helm, Carl Sharp, Rick Racette, and David Gregg. That was a lot of lunch tickets the Kiwanis had to hand out. Thank you all so much for attending. Most of all, we thank Gus Lukrofka's son for bringing Gus to the show. He is doing so well with his recovery.

This year we were moved from the north parking lot to the south. It turned out to be a very good move. There was plenty of shade, a good breeze, and lots of spectators walking through our display. They wanted the north parking lot for cars but did not use it.

2012 WAPA Officers	
Dan Kato	President
Rick Racette	Vice President
Bob Smith	Secretary
Kelley Garcia	Show Director
Ernie Harmon	Treasurer
Chuck Mayernick	Librarian
Leroy Overstreet	Membership
Joe Siddons	Purchasing
Craig Maxwell	Safety
Carol Haskell	Museum Director
Editor	



Carol Haskell
6070 Mitchell Avenue
Riverside, CA 92505
cahaskell@me.com

South Pasadena Car Show

By Ken Evans

To help celebrate South Pasadena's Eighth's Annual "Cruz'n for Roses" Hot Rod and Classic Car Show, WAPA put on another great show with our engines and equipment. The event took place on Sunday, September 16, 2012, on Mission Street. All our folks did a great job of talking to the large crowd and explaining what we are about.



Jim Davis, Joe Giocomarra, Leroy Overstreet

We had a new location this year on the north east corner of Mission and Freemont. To anchor our display on the east was Tom Fee with a 1 ½ hp John Deere belted to a Braun Chipmunk rock crusher, next we had Jim Davis with a 1922 Jaeger 3 hp and a Maytag single cylinder engine. Leroy Overstreet was there with his 1 ½ hp Economy and next to him was Tom Millett with his 1925 Economy belted to a pump jack with a pump lifting water out of a bucket and letting it run back in. Tom also had a pitcher pump set-up for the guests to use. It was popular. Joe Siddons ran his 1914 Gray 1 ½ hp and next to Joe was Bob Smith with a double hand laundry tub set-up with a hand operated wringer. He also had a pitcher pump system with two pumps. One had to be repaired in the field by adding a cork gasket with Tom Millett supplying the raw material. It worked fine all day long. We had Joe Giocomarra running a 1 ½ hp John Deere. And then there was the trio from Riverside. Merle Morse used his hand-built small engine/air compressor system to supply air for a twin cylinder steam engine and a single cylinder steam engine. Tom Denson ran his new scratch built 3/8 scale model of a Fuller & Johnson 3NB. Ron Haskell operated his 1917 headless Witte 12 hp and an International Harvester Model LB belted to a Buffalo Forge Co. blower with a scoop to direct the cooling air toward

the crowd. And anchoring the show on the west end were Ken and Larry Evans with the 1 ¾ hp United air cooled belted to the Duro mystery pump with a bucket that never filled or emptied, except for splash and evaporation. And finally, thanks to new member Roger Hahn for spending the day helping, watching and learning the WAPA way.



Joe Siddons, Bob Smith, Roger Hahn

Duarte Annual Royal Oaks Park Show and City Picnic

What was to be a testing of the water to see if it had a future, our show at Royal Oaks Park turned out to be a tremendous hit as reported from all sides. Our fabulous WAPA members came out in force to show the good folks in the City of Duarte a good display. We had plotted out an area that I thought would be sufficient for a first time event. Well, I totally miscalculated. We filled every nook and cranny with great machines and had to expand. It was reported to me no less than three times that an official with the city commented that our display was a great asset to their day's event.

Helping make the day perfect were (by my count) Leroy Overstreet, Ron Haskell, Merle Morse, Tom Denson, Al Antonucci, Bob Smith, Ken Evans, Larry Evans, Gus Lukrofka, Rob Skinner, Kelley Garcia, Joe Siddons and me. Some had more than one machine. Al brought a trailer full, as did Merle, Tom and Ron. Rob and Kelley looked busy all day tending their corn sheller as the public was amazed at how it worked.

Let's hear it for Al who lives in Phelan, which is better than an hour's drive away. The boys from Riverside also had a lengthy early morning trek. If I missed anyone, I sincerely apologize. By the way, thanks Gus, for coming out; and without a driver. That's dedication. THANKS FOLKS, BIG TIME.



Kelley Garcia, Leroy Overstreet, Rob Skinner, Ken Evans



Al Antonucci and son, Joe Siddons

Good Hope Mine

By Rob Skinner

Recently I was paging through some pre-1910 journals, searching for advertisements from engine manufacturers. Articles on mining always grab my attention, as the search for minerals was a key component that helped form our region into what it is today. Besides, the miners had really cool machines.

One article, though, was particularly interesting. The article mentioned a mine just outside Perris, California. As a young teenager, I spent summers there with my grandparents. My grandfather and I would spend the days playing in the garage with machine tools, building or rebuilding whatever contraptions we could dig up. But every morning, before anything else, Olaf, a Norwegian Elkhound, would remind us that we needed to go for a bike ride. We would hop on the bikes and head out to the dirt roads looking for rabbits and whatever adventure awaited. Despite all the time spent there, traipsing through the hills, I never spotted nor heard of the Good Hope Mine. It was located right next to the highway; despite the innumerable times I passed it, I never knew it existed.



Good Hope Mine, Circa 1900

About four and a half miles southwest of the village of Perris, in Riverside County, California, is situated the Good Hope gold mine. It was discovered many years ago by Mexicans and worked in a superficial manner, the ore being crushed in arrastras. Later it came into American ownership. This is the most important mine in the Pinnacate district. It has been worked to a depth of about 500 feet, with several levels about 100 feet apart, from 250 feet downward, the upper portion having been completely worked out years ago.

The first levels, at 250 feet and 350 feet, are each nearly 1,000 feet in length. The 450 foot level does not extend the length of the others.

The formation in which the ore occurs is a fine, even-grained granodiorite. At the surface are several veins at distances varying from three to twenty feet. At greater depth, these several branching fissures have united to form an irregular vein, having a tendency to send off shoots into the country rock, chiefly into the foot-wall side.

The foot-wall streak often contains high grade ore. The auriferous iron sulfide is finely

disseminated through the quartz. The ore was generally considered free milling, but the tailings carried sufficient value to make them profitable to cyanide operators who subsequently worked them. One cause for this was the desire to run a large volume of ore through the mill, regardless of the cost. The ore is one requiring fine crushing and very careful amalgamation and concentration. If these details had been given proper attention there would, in all probability, have remained little profit for the cyanide man.

At one time twenty stamps were dropping when water supplies were insufficient to supply the batteries with the necessary water. The four concentrating machines were also in operation with a very poor separation of sulfides. Under such conditions, it would have been better to have run ten stamps, which would have allowed greater extraction and increased net profit.

The accompanying photograph was taken near the main shaft, and shows a somewhat unusual headframe, with tramways leading to the mill and to the waste dump.