

July 2007

# HIT & MISS

**This Month:**  
New Look!  
Shows for July!  
John Bean Company!

Journal of the Western Antique Power Associates



Gibbs & Sterrett box bed halfbreed spotted in the San Diego area

## PRESIDENT'S MESSAGE

**Tom Millett Keeping Us Informed**

By now you have discovered that we have a new format for this month. For the benefit of everyone logged onto our WAPA web site, I announced that Jack and Kay Johnson had announced to me that after many years of publishing, they were going to retire as editors of our newsletter, the Hit & Miss. Jack will remain as Membership Director, at least through this term. WAPA thanks both of them for their hard work on the demands of meeting the monthly deadlines. Jack and Kay, WAPA thanks you both. Have a great time with that new motorhome.

Well, after my announcement that we needed a candidate to serve as newsletter publisher, Rob Skinner stepped forward and committed himself for a year, with options beyond that. I'll let Rob editorialize on

some of his planned strategy for the future of our newsletter, but I asked him to feel free to play with formats for a few months until he finds one that works for him, and is both reader friendly and economically feasible. In the meantime, enjoy it, and I'm sure Rob will appreciate constructive feedback.

I'm checking my calendar and see that we did two school shows and a new event to us. The Brentwood Science Magnet School Fair is always fun. What a great group of friendly folks. They darned near kiss your hand when they see the machines – and that's just the kids.

Show Director Bob Smith set us up with a great day at the Rancho Los Alamitos Historic Ranch in Long Beach. We had a great turnout and perfect exhibit area. Bob took great

photos for posting on our web site.

Lastly, Jack Johnson asked if a few of us would take a drive to Costa Mesa for a short hands on "show and ***continued on page 2***



**WAPA member Ernie Groce is an accomplished machinist who has constructed an extensive collection of models.**

## From the Editor's Desk

Rob Skinner editor@wapa.us

Greetings, WAPA Folk.

To start off, I want to thank Jack and Kay Johnson, who for the past eleven years have served as the editors of the Hit & Miss. All of us in WAPA are indebted to the Johnsons for their dedication and their contributions to the club. Jack has been very helpful in getting your new editor up-to-speed on what is required to get the Hit & Miss onto paper and into your mailbox.

As the new editor, I hope to bring you the same features that you've come to expect in WAPA's newsletter: the President's Message, the Minutes of the Board of Directors, upcoming shows, reports of past shows, classifieds and comments from our members.

New goals are the judicious use of color, new imagery and a monthly feature article. This month's feature is on John Bean. Future articles may include company histories, a particular engine, technical tips or member profiles.

Over the next few months, the Hit & Miss will surely evolve. It will evolve as I learn what can and cannot be done. It will evolve as you report

back to me the good points and the bad. Let me know what works and what does not.

In the meantime, send in your classified ads, letters for publication, or ideas for articles that you would like to write.

## Classified Ads

**15 ton Arbor Press**, free to good home. Klaus Duebbert 951-849-9444.

**Cushman Cub with WICO EK**, complete, good compression, stored in shed for many years. Ready for restoration and show. \$450. Without mag, \$350. Bob Swan 562-944-1247 home or 562-587-7363 cell.

**Yard Sale, Saturday, August 4, 8:00 a.m. until 2:00 p.m.** Joe Siddons, 9236 Wedgewood, Temple City, Thomas Guide 596 J-3/4. For sale will be items from the estate of Joe Siddons, Sr. There will be everything from electronics, to milk separators, to engines and parts. Come and browse. There will be many good buys. This sale is open only to WAPA members and friends.

## Did you know?

You can sometimes compensate for a weak magneto by decreasing the spark plug gap. It's easier for the spark to jump the shorter gap.

*continued from page 1*

tell" at his grandchild's private school. Leroy Overstreet made rope and George Noble demonstrated the milker while Jack Johnson gave the kids an old-fashioned hay ride. Larry Nelson's petting zoo was also there. It was great fun and the atmosphere and setting was perfect.

Remember the Marina Del Rey and San Dimas shows this month. Come out to a show and have some fun. Watch those spinning flywheels. Play safe.



WAPA attended the Ranch Roundup at the Rancho Los Alamitos on June 10. At the historic ranch are the old ranch house, built circa 1800, four acres of tranquil gardens, and old barns that stand as vibrant reminders of Southern California's rich historical legacy. Read Bob Smith's full report on page 6.

# JOHN BEAN SPRAY PUMP COMPANY

## The Early Days

John Bean began his work in the 1850's and enjoyed the distinction of being the inventor and patentee of the first double-acting force pump to be used on wells.

## The Move West

Due to poor health, Mr. Bean moved to California in 1883. His orchard there was soon infested with San Jose scale. Only little squirt gun pumps were then on the market, so he put his ingenious mind to work and soon built the world's first high pressure spray pump with an air chamber.

The pump was shown in California Fairs and created such a demand that Mr. Bean started a factory.

## The Company Matures

Demand for the new pumps caused the company to quickly outgrow the Los Gatos factory, and in 1903 it was moved to San Jose.

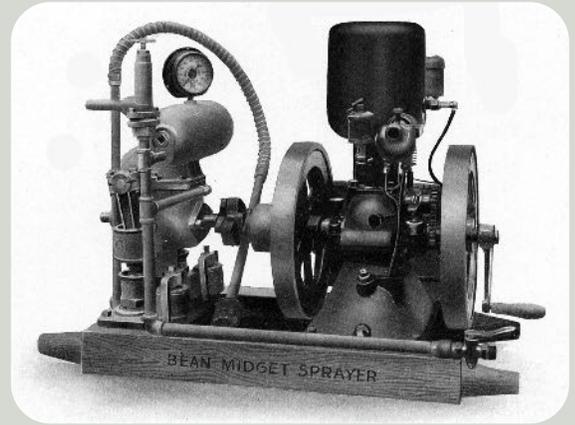
Mr. Bean's fertile mind continued its work of inventing and perfecting spray pumps and spray nozzles until he died in 1908.

## Expansion

In 1909, Bean established a factory in Berea, Ohio, with a branch office in Cleveland. The business grew rapidly, and in 1914 the Berea plant was shut down and a modern factory built in Lansing, Michigan.

## Today

The Bean Spray Pump Company eventually evolved into the FMC Corporation. Today, FMC earns revenues in the billions of dollars. The company specializes in food, agriculture, pharmaceuticals, paper, textiles, glass, ceramics, lubricants, and pest control.



The Bean Midget Sprayer was equipped with a suction hose for drawing liquid from a tank or barrel. It was powered by a 1 h.p. Novo engine, which was equipped with a jump-spark battery ignition. The unit seen here sold for \$115 in 1915. A replacement engine, including battery, sold for \$49.

## Bean Innovations

**Pressure Regulator.** The Bean Pressure Regulator delivered uniform pressure to the nozzles, ensuring consistent spray and even application of the chemicals.

**Porcelain Lined Cylinders.** John Bean observed that the insecticide solutions wore grooves in the traditional brass cylinders of the time. In response, Bean invented the enamel lined cylinder. The new cylinders lasted years. Sizes were interchangeable if different pump outputs were desired.

**Eccentric Drive.** Bean pumps were driven by eccentrics, rather than cranks. Eccentrics distribute wear over a larger area, making wear negligible.

**Direct Connection.** Bean engines and pumps were connected via gears, avoiding the slippage and power loss associated with belt driven systems.

**Novo Engine.** Bean sprayers used fully enclosed engines so dust and spray materials could not damage the internal parts. Novo engines didn't need draining and were guaranteed against frost damage.



Bean was awarded the Grand Prize for the "Best Power Sprayer" at the Panama-Pacific International Exposition, held in San Francisco in 1915. In this photograph can be seen several sizes of orchard sprayers, a nursery sprayer (portable on left), a hopyard/vineyard sprayer (background in center), several Bean Magic Sprayers (hand powered on left), and several Pippin Spray Pumps (barrels).

# MINUTES OF THE BOARD OF DIRECTORS MEETING OF JUNE 8, 2007

Members present: Tom Millett, Bob Swan, Wayne Mabb, Bob Smith, Joe Siddons, Leroy Overstreet, Jack Johnson, Gus Lukrofka, George Noble and Rex McCleary.

Call to Order at 7:02.

Flag salute lead by Jack Johnson.

President's report: Tom reported that Mary Ellen Harris, the lady that did the environmental impact report, had moved to New York and we will send email address when we get land. Mt. Baldy Forest Department lady asked if we could do a show there, making rope. A possible date is the second weekend in June (2008). Person was with the Glendora Preservation society.

Jack will mail out the undelivered badges to the people who are still on the membership roster.

Vice President's report: Bob Swan had nothing to report.

Secretary's report: Wayne Mabb moved to approve the minutes of the May 11, 2007 meeting. Bob Smith seconded the motion. Motion passed.

Treasurer's report: none

Membership: Jack reported that Don Brinders, a life member, had passed

away.

Jack moved to remove from the active rolls the members who have not paid their dues. Seconded by Wayne Mabb. Motion passed

Purchasing: Leroy will order balloon boats when he has been contacted by Mary.

Safety: Joe Siddons had no report since there have been no safety issues. Tom has new fire extinguishers. Bob Swan will donate plastic stanchions to the club for use at shows.

Library: No report.

Shows: Bob Smith reported on the following shows:

July 22nd the Classic Yacht Club at Marina Del Ray. Bob moved to sanction. Leroy seconded. Motion passed.

July 29th the San Dimas Car show. Bob Smith moved to sanction. Leroy seconded the motion. Motion passed.

Jack has a show at the Mariners Christian School Monday May 11th, 9:00-11:00.

Break from 7:30-7:55.



Mr.  
Secretary

Prado Dam report: Craig Maxwell to take over the project, Rob Stated that he was very discouraged at not getting things done and asked to be removed as coordinator. Tom called Craig and he will take over.

Rubel Castle: No report, Tom to call Culver later.

No report on the GEM CD.

Hit and Miss editor: Jack has asked to be relieved of the duties of editor. Rob to take over after the July issue. Thank you Jack and welcome Rob.

Submitted,

Wayne Mabb, Secretary

## Western Antique Power Associates

WAPA is a 501 (c) 3 organization dedicated of the preservation of antique engines, agricultural equipment, industrial tools, and other items that are part of our heritage. WAPA is involved in many educational and community based activities. Visit us online at [www.wapa.us](http://www.wapa.us)

## Engine Problems?

Engine won't start? Doesn't run right? Running out of ideas? Why not bring it out to a show? One of our knowledgeable members is sure to have the experience needed to help you get your baby running like a Swiss watch.

## Hit & Miss

Hit & Miss is the official WAPA newsletter, published monthly. If you would like to contribute articles, pictures, or classifieds, contact us here:

**Hit & Miss**  
**1721 Brookdale Ave.**  
**La Habra, CA 90631**  
**[editor@wapa.us](mailto:editor@wapa.us)**

# UPCOMING EVENTS

**July 13, Friday**

**7:00 p.m.**

## **Board of Directors Meeting**

The WAPA Board of Directors meeting is held at Heritage Park in Santa Fe Springs. All members are welcome and encouraged to attend. If you have an idea on how WAPA could become a better club or want to express your opinion, please attend.

Heritage Park is located just south of Telegraph Road and west of Norwalk Boulevard. The meeting is held in the train depot next to the steam locomotive.

**July 22, Sunday**

**7:30 a.m.**

## **Marina Del Rey Show**

**Chairman: Ken Evans**

It's 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 in Marina del Rey.

We will be 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.

Set up begins at 7:30 a.m., vehicles must be out of the area by 8:30 a.m. to make room for the show cars.

The show ends sometime after 3 p.m., depending upon the crowds and interest.

Parking is not free. There is a public lot fairly nearby and two years ago it was \$5.00 for the day. Do not

park trailers in this lot. Use the boat launch ramp lot if you bring a trailer that needs to be parked outside the show area. The entrance is from Admiralty Way.

It is recommended that you not bring equipment on a trailer, unless it is a small trailer on which the display will be shown. Members with handicapped parking can park in the small lot at the entrance to the park. Other members can park there, but you have to feed the parking meter money during the day. It's your choice.

Burton Chace Park is at the end on Mindanao Way just west of Lincoln Blvd. in Marina del Rey. See Thomas Guide, LA County, page 672, grid B7. 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. At the turnaround is a gate with Yacht Club member to let you in. Follow the grass covered road thru the park to the paved section and then to the south west corner of the park. There is a grass knoll with a statue of a Helmsman where we set up. Bring your own supplies. There is a small food stand, but the quality is not known.

For information and notification that you are attending, call Ken Evans at 626-683-8372. Leave a message if he is not there.

**July 29, Sunday**

**8:00 a.m.**

## **San Dimas Car Show**

**Chairman: Tom Millett**

This is our eleventh year doing this event in conjunction with the annual car show. It is very relaxing day. For new attendees, we are on the parking lot of the San Dimas Santa Fe

Depot (now a museum). Bring shade. Water and electrical are readily available. Lunch vouchers at Roady's Restaurant will be given to exhibitors and workers. We can grind corn, sell boats, whistles, shirts, hats, etc. Two handicap parking spots are available.

Directions: On the I/S 57 freeway between the I/S 10 & I/S 210, take the Arrow Highway off ramp. Southbound traffic: at the off ramp, go left under the freeway to the second signal (Bonita Ave.) and go left.

What engine is Bob working on in this archive photo?



Northbound traffic: at the off ramp signal, go straight. You will be on Bonita Ave. Follow Bonita to the railroad tracks stop sign and turn right. Go to the next street and turn left. Go to the next street which is Monte Vista. Turn left, go across the RR tracks and you are there. We are in the parking lot of the RR station depot.

Show Time: Set up is 8:00 a.m. I'll be there by 7:00 a.m. The show runs no later than 3:00 p.m.

New Members: Bring something, even if it isn't running. It's a good place to get acquainted. Old Timers: Bring something exotic.

Contact Tom Millett  
(626) 335-6271 or  
E-mail [tmillett@yahoo.com](mailto:tmillett@yahoo.com)

# Show Reports

## Brentwood Science Fair by Ken Evans

The Brentwood Science Fair was held under overcast sky, but there was partial clearing in the afternoon.

WAPA had a good group of folks, starting with Tom Millett with an Economy engine and pump jack pumping water.

Then we had Joe Giocomarra and his friend and neighbor Richard Lahti showing a Maytag twin and a Fairbanks Morse 1½ hp running a metal grinder.

Gene Cerveny had a 1927 Witte hooked up to a Rube Goldberg machine to make the World Turn.

We had Joe Siddons with lots of goodies including hand metal grinders, milk bottles, a model hot air fan and a Stover waffle iron to be used on wood stoves. The metal grinders were set-up on a bench and the kids kept them running all day long.

Next were Ken and Larry Evans with the recently restored 1919 IHC Model M 1½ hp belted to a Duro water pump with the mystery water supply system. The bucket never fills or empties.

Anchoring the end of the display was Leroy Overstreet with an Economy 1½ hp belted to a hacksaw.

Thanks to all of you and we are greatly appreciated by the sponsors.

## Rancho Los Alamitos by Bob Smith

It turned out to be a beautiful day in Southern California, perfect weather for a show. I decided to get out to Long Beach early even though the official starting time was 12 noon. I followed my mapquest directions and came upon a guard shack at a gated community. As I pulled up, the guard said, "You with WAPA?" I so politely said, "Yes I am." He directed me to the Rancho which was located on a hill just inside the gated community.

The show attendees would park at the college close by and take a shuttle bus into the Rancho. As I pulled up to the show area at around 8:00 a.m. I was greeted by four other WAPA members who had the same idea.

Our setup was on a grassy lawn just behind the old ranch house with beautiful landscape all around. I was worried at first that we were not

## Summertime is Here!

That means longer days, warmer temperatures, and more fun in the sun. Don't forget to bring shade, your hat, and drink plenty of water.

located in the middle of the ranch were most of the activities were. As I noticed the food wagon being set up just past us, I was sure we would see traffic pass our display.

As we were setting up, the event production associate, Michael Powers, brought a pot of hot coffee and two boxes of donuts for our group to enjoy for breakfast.

As we approached 12 o'clock, we had a full show area and were ready to fire 'em up. The event people asked us to not start our engines until after the Long Beach Mounted Posse presented the colors, which would pass by our area. We didn't know that they would go around the ranch three times.

We didn't get to start up until a little after 1:00 p.m. As we were all standing around swapping old engine stories waiting for the start up, the event coordinator came by and gave us all \$5 meal vouchers. That was appreciated since we could smell the roasted corn and burgers cooking just down from us.

A big thank you is due to all the participants of this event.



It was fun for all at the Home School Fair in Ontario

