



The Line Shaft

The Official Newsletter of the

NORTH JERSEY ANTIQUE ENGINE & MACHINE CLUB

VOLUME #32

ISSUE #2

President: Blace Flatt
(973) 663-1090

Vice Pres.: Andrew Mackey
(973) 627-2392

FOUNDED ON OCTOBER 15, 1979 BY:
*Arthur Goble, Fred W. Westbrook, John Snook,
Roy Bischoff & Lewis Quince*

Newsletter Editor: Richard Magera
(973) 948-6625

Treasurer: Eric Hayes
(973) 670-2956

Secretary: Jeff Brooks
(973) 383-3370

Minutes of the January 13th 2011 meeting:

A typo in the newsletter had the meeting start at 6:30 PM...it is normally 7 PM...also, the gate and building were locked and we had to wait for Nick to arrive with keys!

The meeting was held at the Fair Grounds Conference Room and started at 7 PM with 32 members attending.

Old business:

None

New business:

Lafayette contacted us and wanted to know if we were interested in participating in their St. Patrick's Day parade...

On that same note...the Fairgrounds Farmers Market requested us to display some tractors on a few Saturday's this summer...

Dave Betts discussed the Hercules 5 HP hit-and-miss engine and Quincy air compressor that several of the club members are in the process of rebuilding...in question was the compressor, which has some cylinder bore problems, no oversize pistons are available and pricing for standards are prohibitive (\$200.00 + each)...the club needs to invest \$117.00 in gaskets and small parts to reassemble the compressor with the old pistons and rings, with no guarantee the compressor will function when reassembled. This seemed the avenue most members wanted to take and the \$ were approved!

Jeff read a short "thank you" from the Stillwater Historical Society for participating in their parade last year...the thank you was a nice touch and unfortunately, is rarely done!

As part of the clubs philosophical attempt to return the hit-and-miss engine as a more dominant feature of the club (it is felt that the "tractors" had become "the" dominant feature and we needed at least a partial "return-to-roots"), Andy Mackey gave a short presentation on the "low tension magneto". A key phrase Andy used to sum up the magneto is: ELECTRICALLY SIMPLE, MECHANICALLY COMPLICATED!

Per Andy...most magnetos are easily rebuildable, with good parts availability.

Also, per Andy...always use fresh gas.

Jeff quickly reviewed 2010 (it was in the January newsletter) and asked for feedback from any members who wanted any changes to the direction the club was taking or the events we had...DEAD SILENCE!

Dave Betts asked if anyone had a video camera that they were not using. We want to chronicle certain events and/or some of the rebuilding project...primarily the Hercules/Quincy now in progress. No one at the meeting had one and it was determined that it should be requested as a donation camera in the newsletter.

The 50/50 was won by Jeff Brooks...

Tea, coffee and donuts were provided by AnneMarie...

Jeff Brooks...Secretary

NEXT MEETING: Thursday, February 10th at the Fair Administration Building, 7:00 PM



STAFF PHOTO: JOHN BELL

Andy Mackey of Rockaway, vice president of the North Jersey Antique Engine & Machine Club, tries to start an Oil City Boiler Works/South Penn Oil Company steam engine at the Engine Shed, club headquarters at the Sussex County Fairgrounds in Augusta. The club restored the engine, built in the 1880s.

Antique machines gain more fans and fixers in a high-tech world

To see the video that accompanies this story, visit www.dailyrecord.com.

By LORRAINE ASH
STAFF WRITER

Machines and engines fascinate Andy Mackey.

At age 6, his passion began when he fixed a 1952 REO lawn mower his neighbor had thrown away.

"Ever since, I've been finding machines all over the place," said Mackey, now 56 and vice president of the North Jersey Antique Engine & Machine Club, which is based at the Sussex County Fairgrounds in Augusta.

"I have a four-car garage at home and can't get a car in it," the Rockaway resident added with a grin.

Today Mackey, a plumber, is one of the 32-year-old club's most enthusiastic enthusiasts.

Recently, he and his colleagues achieved international attention when they successfully restored to working condition a 2,500-pound half-breed engine built in the 1880s by Oil City Boiler Works and South Penn Oil Company.

A steam engine converted to run on natural gas in the 1890s, the Oil City/South Penn was used to pump oil from wells in West Virginia and Pennsylvania into the 1960s, when it was retired. If the club had not taken it on as project, the engine would have been scrapped.

"Andy's a motor nut," said Blace Flatt of Jefferson, club president. "Like the rest of us, it's just in him to fix things."

The Engine Shed is headquarters for the antique engine and machine club. Half workshop, half museum, it's filled with club projects, including an Enterprise No. 218 Coffee Grinder, 1932 ringer washer, 1878 broom corn thresher, 1950 John Deere tractor, 1936 Case tractor and a 1911 water pump from the site of an area farm.

From the ceiling of the Engine Shed hangs a bright red 1947 chain saw.

The exhibit is ever changing. Every year, club members display some new large, finished projects.

Junk? Not to the members and a growing number of Americans who may spend a lot of time on computers but find themselves entranced by machines they can actually fix. Membership in the

Machines

North Jersey club increased from 29 to 140 in the past 15 years. Its ranks include teenagers and 25 women.

This year the Tri-State Gas Engine and Tractor Association Show in Portland, Ind., the largest antique gas engine show in the world, drew 90,000 exhibitors and spectators, according to Christian Williams, associate editor of Gas Engine Magazine. The

magazine featured the Oil City/South Penn restoration for its worldwide readership in six issues spanning July 2009 through September 2010.

The North Jersey's club's success, Williams said, is due to its participation in the New Jersey State Fair, which draws tens of thousands of people to the fairgrounds every summer.

"What better place to introduce people to a hobby based on America's agricultural past?" Williams said. "It's a hobby that allows people to appreciate how our ancestors made a

living and built a country in the process."

For Mackey, restoring machines and engines to working order is more than a hobby. Dating back to Victorian times, machines were built to last, he said, and the displays in the Engine Shed prove that.

The planned obsolescence of cars, motors and machines built today angers him. When things are built to give out, Mackey explained, time and materials are wasted.

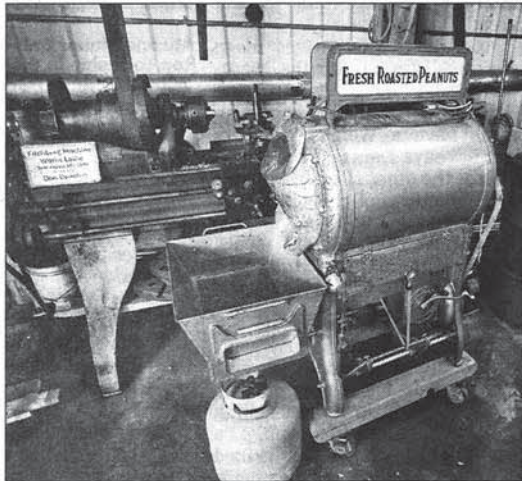
"Look at lawn mowers now," he said. "After three years and two days, the

magneto will quit because it's all designed to work for a million and a half cycles before it goes bad. Or the alcohol will dissolve the parts out."

But the issue goes even deeper than that for Mackey. People who can fix the appliances and vehicles they buy can live self-sufficiently. Most of the machines in the Engine Shed were designed to use parts from Model T Fords, Mackey said.

"So if you had a Model T junker, or if you had a junkyard near you, you could walk down there and get a piston and connecting rod and put your engine back together," he said.

Nowadays, he added, if something goes wrong with the electronic ignition of a car, its owner is forced to pay for a tow and a \$300 diagnosis just to narrow down the problem. No wonder, he mused, that today people pay as much



STAFF PHOTO: JOHN BELL

The North Jersey Antique Engine & Machine Club uses this old peanut-roasting machine to roast and sell peanuts during the annual Sussex County Fair to raise money for the club.

for a car as they did for a house 30 years ago.

Yearly dues for the North Jersey Antique Engine & Machine Club are as antique as its display:

\$15 a year. New members and donated machines or engines are welcome.

Lorraine Ash: 973-428-6660; lvash@gannett.com



STAFF PHOTO: JOHN BELL

Andy Mackey of Rockaway, vice president of the North Jersey Antique Engine & Machine Club, and Blace Flatt of Jefferson Township, president, stand next to a 1936 Case tractor in the Engine Shed, club headquarters, at the Sussex County Fairgrounds in Augusta.

Basic *Mechanical Trade Tools* explained

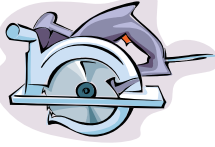


DRILL PRESS

A tall upright machine useful for suddenly snatching flat metal bar stock out of your hands so that it smacks you in the chest and flings your beer across the room, denting the freshly-painted project which you had carefully set in the corner where nothing could get to it.

WIRE WHEEL

Cleans paint off bolts and then throws them somewhere under the workbench with the speed of light. Also removes fingerprints and hard-earned calluses from fingers in about the time it takes you to say, "Oh, shit!"



SKILL SAW

A portable cutting tool used to make studs too short.

PLIERS

Used to round off bolt heads. Sometimes used in the creation of blood-blisters.



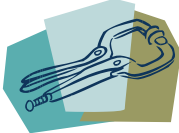
BELT SANDER

An electric sanding tool commonly used to convert minor touch-up jobs into major refinishing jobs.



HACKSAW

One of a family of cutting tools built on the Ouija board principle. It transforms human energy into a crooked, unpredictable motion, and the more you attempt to influence its course, the more dismal your future becomes.



WISE-GRIPS

Generally used after pliers to completely round off bolt heads. If nothing else is available, they can also be used to transfer intense welding heat to the palm of your hand.

OXYACETYLENE TORCH

Used almost entirely for lighting various flammable objects in your shop on fire. Also handy for igniting the grease inside the wheel hub out of which you want to remove a bearing race.

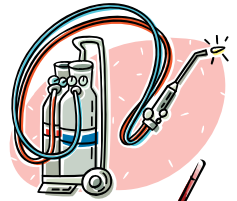
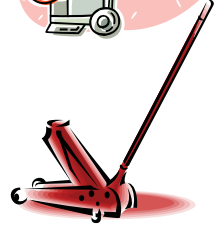


TABLE SAW

A large stationary power tool commonly used to launch wood projectiles for testing wall integrity.

HYDRAULIC FLOOR JACK

Used for lowering an automobile to the ground after you have installed your new brake shoes, trapping the jack handle firmly under the bumper.



BAND SAW

A large stationary power saw primarily used by most shops to cut good aluminum sheet into smaller pieces that more easily fit into the trash can after you cut on the

inside of the line instead of the outside edge.



TWO-TON ENGINE HOIST

A tool for testing the maximum tensile strength of everything you forgot to disconnect.

PHILLIPS SCREWDRIVER

Normally used to stab the vacuum seals under lids or for opening old-style paper-and-tin oil cans and splashing oil on your shirt; but can also be used, as the name implies, to strip out Phillips screw heads.

STRAIGHT SCREWDRIVER

A tool for opening paint cans. Sometimes used to convert common slotted screws into non-removable screws and butchering your palms.



PRY BAR

A tool used to crumple the metal surrounding that clip or bracket you needed to remove in order to replace 50 cent part.



HOSE CUTTER

A tool used to make hoses too short.

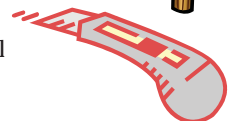
HAMMER

Originally employed as a weapon of war, the hammer nowadays is used as a kind of divining rod to locate the most expensive parts adjacent to the object we are trying to hit usually smashing the thumb that is holding the object that you are trying to pound into whatever it is that you are working on effectively eliminating the need for manicure care on that thumbnail for weeks. See: Son-of-a-bitch TOOL



UTILITY KNIFE

Used to open and slice through the contents of cardboard cartons delivered to your front door; works particularly well on contents such as seats, vinyl records, liquids in plastic bottles, collector magazines, refund checks, and rubber or plastic parts. It is especially useful for slicing work clothes, but only while in use.



A thank you to : John Dolce...WENDELL DUCHSCHERER

MARKETPLACE

WANTED: 14.9 x 24 used tire **CONTACT:** Ken Reuter, 973-670-1646

FOR SALE: International Cub Cadet 102; repainted, just needs wire harness. \$400

CONTACT: Paul Curcio, 33 Central School Rd., Wantage NJ 07461, 201-835-5924, PaulF350@yahoo.com

WANTED: Backhoes-Compact Tractors-Mini Excavators-Skid Steer Loaders-Cletrac & Oliver Crawlers-Farm Tractors-Small Dozers... in any condition. **"Top \$ Paid"**

CONTACT: Robert Norman, 845-858-8242

WANTED: 3-Point hitch conversion for Farmall "H"

CONTACT: Rich Magera, 973-948-6625

FOR SALE: Used pull style disc - needs repair. \$40

CONTACT: Jeff Brooks, 973-383-3370

FOR SALE: Steam bent ash hardwood walking plow handles; high quality straight grain. \$30 per pair.

CONTACT: Bruce Mitchell, 973-702-1012

FOR SALE: Premier Designs jewelry or host jewelry trunk show. Donations to NJAE&MC from sales.

CONTACT: AnnMarie Adams, 973-946-1726, AnnMarieBAdams@aol.com

WANTED: Old, odd or unusual spark plugs wanted by collector. Will buy or trade.

CONTACT: Joe Cook, 66 Central School Road, Wantage, NJ 07461
Phone: 973-973-875-9733 E-Mail: joe.ignitor@gmail.com

WANTED: Good hood & good fenders for Ford 8N (I have bent ones)

CONTACT: Jim Dunlap, 973-219-9694

For Sale: 2 ea 950-24 tractor tires on Farmall rims. Fair condition. \$100.

CONTACT: Nick Feenstra, 973-875-3467

FOR SALE: 2 ea. 154 International Harvester Low Boys; one ran 3 yrs ago when shut down, under tarp, has Woods 59 inch belly mower. 2nd tractor running, needs brake work, has rear mount 3 point hitch with hammer type mower attachment. Both with long personal ownership. For sale or trade for older Cub Low Boy with plow and/or attachments, or 8/9N Ford.

CONTACT: Charles Germershausen at cgermershausen@hotmail.com or call cell 1-973-214-5968.
Tractors located in Florham Park, NJ.

WANTED: Spare parts for 1917 Fairbank/Morse hit & miss engine. Ford Golden Jubilee steering wheel

CONTACT: Charles Germershausen at cgermershausen@hotmail.com or call cell 1-973-214-5968.

NOTE: To add or remove ads from "Marketplace" contact your editor by e-mail or phone.

LOCAL EVENTS & SHOWS

FLORIDA FLYWHEELERS ANTIQUE ENGINE CLUB

7000 Avon Park Cutoff Rd., Ft. Meade, FL 33841

Tel. 863-285-9121 <http://www.floridaflywheelers.org/>

February 19th, 2011

6th Annual Drive Through the Groves

February 23rd thru 26, 2011

19th Annual Antique Engine & Tractor Show

MILITARY TRANSPORT ASSOCIATION 10TH ANNUAL SPRING SWAP MEET & MILITARY VEHICLE SHOW

April 16 & 17, 2011

www.mtaofnj.org

Sussex County Fairgrounds, Augusta, NJ

HUDSON VALLEY OLD TIME POWER ASSOC., INC.

Fingar Road, Hudson, NY

2nd Saturday of May, 2011, Annual Commission Auction

www.northerndutchess.com/hv-oldtimepower.htm

BLUE MT. ANTIQUE GAS & STEAM ENGINE ASSOC.

Jacktown Grove, Bangor, PA

May 21 & 22, 2011

25th Annual Swap Meet & Flea Market

Free admission and parking. For more information

610-588-6900 www.jacktown.com

ROUGH AND TUMBLE

Engineers Historical Society

US Route 30, Lancaster PA

http://www.roughandtumble.org/rt_visit_sched.asp

April 22, 2011 Spring Antique Tractor Pull

May 13&14, 2011 Spring Steam-Up

May 27&28, 2011 IH Collectors Spring Show

June 10&11, 2011 Blacksmith Days

July 22&23, 2011 John Deere Show

COOLSPRING POWER MUSEUM

Coolspring, PA

June 16, 17 & 18, 2011 Summer Expo & Flea Market (featuring New York Engines)

<http://www.coolspringpowermuseum.org>

HUDSON-MOHAWK CHAPTER OF THE PIONEER GAS ENGINE ASSOCIATION

Schoharie, NY

June 11&12, 2011 44th Annual Gas-Up

For more information Doug Gallup 518-872-0564

www.gasup.org or e-mail Howardsquire@aol.com for information

LONG ISLAND ANTIQUE POWER ASSOCIATION

Jamesport, NY www.liapa.com

July 16&17, 2011 19th Annual Summer Show

*How does a "Hit and Miss"
Engine Work?*

**COME TO THE MEETING
2/10/11**