



The Line Shaft

The Official Newsletter of the

NORTH JERSEY ANTIQUE ENGINE & MACHINE CLUB

APRIL 2011

President: Blace Flatt
(973) 663-1090

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

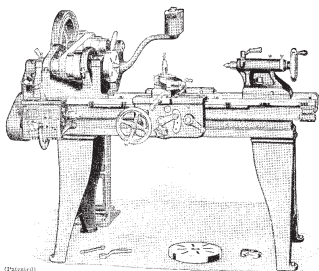
FOUNDED ON OCTOBER 15, 1979 BY:
Arthur Goble, Fred W. Westbrook, John Snook,
Roy Bischoff & Lewis Quince

Treasurer: Eric Hayes
(973) 670-2956

Secretary: Jeff Brooks
(973) 570-2749

Our March 10th meeting was held at the Fair Grounds Conference Room of the Sussex Fair Grounds Administration Building. Officers attending included Blace, Eric and Jeff, with Andy unable to attend due to a work commitment. The *Deceased Member Plaque* has been updated thru 2010 and was re-hung in the engine shed after the meeting. As mentioned, Andy Mackey was unable to attend the meeting and give his scheduled *Maytag 2-cycle engine* presentation...nor will he be able to attend the April meeting, so we will save it for a future meeting.

In response to his request at the last meeting and in the newsletter, Dave Betts received two camcorders that were contributed to the club by Tom Tunstead and John Salvagno. We thank both for their generous contributions and Dave is busy integrating the cameras into the club's growing audio-visual-aids equipment. By the State Fair, he is hoping to have most of it in order and be able to put on a major visual presentation in the shed.



Kevin Adams brought to the meeting several films on the operation of the *South Bend Lathe*. These films (now converted to DVD format) were produced during WWII. Unfortunately Kevin, (in an ill-advised comment) mentioned that some members may have seen these in "their" high school shop class in the late 1940's. After the boos and jeers stopped and he dodged a couple of cups of coffee and assorted donuts that were thrown at him, he intro-ed the films and

Dave Betts ran them on his "big" screen. A short write-up on the presentation and *South Bend* in particular will be found on page 2 of the newsletter.

Tea, coffee and donuts were provided by AnneMarie Adams and Wayne Little won the 50-50!

Thanks to MOTHER NATURE, we were forced to cancel the *SPRING PLOW DAYS* due to the muddy condition of the fields! We are not able to have a "rain day" due to Benny's spring planting schedule (business comes first) and we will see you at the *FALL PLOW DAYS*.

Note: Rich Magera has stepped down as newsletter editor and we are looking for a volunteer to take up the position!

Our next meeting will be on **Thursday, April 14th** at 7:00 PM in the Administration building.

PLEASE CHECK THE ADDRESS LABEL ON YOUR NEWSLETTER FOR MEMBERSHIP EXPIRATION!

(The month listed will be the date when your membership dues are to be paid
or this will be your last newsletter)

Dues are \$15 per year and, checks payable to NJAE&MC



SOUTH BEND LATHE

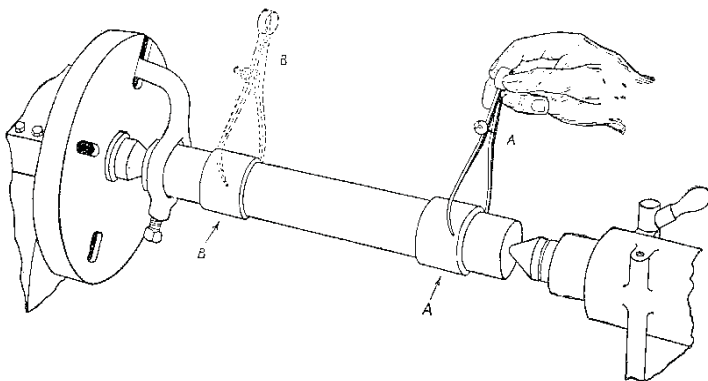


Our club's machinist Kevin Adams, who headed up the refurbishment and realignment of our shed's machine shop this past summer, gave us a short overview of the South Bend Machine Works and introduced a series of 1940 films on lathe operation.

The *South Bend Lathe Works* was founded in 1906 by identical twin brothers John and Miles O'Brien. This endeavor was the culmination of 20 years of tool-and-die experience and soon developed into a major machine tool manufacturer.

The brothers (called the TWINS within the machine tool industry) were born in Cork County, Ireland in 1868, and were raised by their father after their mother died in childbirth. The family immigrated to Connecticut in the 1870's, where John and Miles were educated, found jobs and began learning the machine tools trade. Miles worked for a time under the tutelage of Thomas Edison, until the inventor told the brothers to round out their machine shop experience with engineering courses. They attended Purdue University in West Lafayette, Indiana and then worked at various jobs within their trade. In 1906 they went into business for themselves.

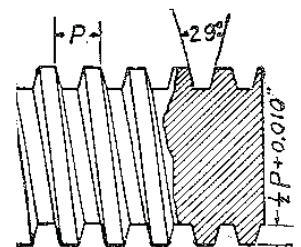
Within a decade they were building 44 sizes of lathes and by 1930 the company was manufacturing half of the precision lathes sold in the United States. In just under a quarter century, *South Bend Lathe Works* had become the single largest manufacturer of metalworking precision lathes in the world. By the late 1940's, they were producing over 100 sizes of lathes, had won the US Navy's Manufacturing E (efficiency) Flag during WWII and were without the O'Brien brothers...Miles having died in 1936 and John in 1946.



Much of their success was due to the brothers focus on training skilled machinists. John O'Brien wrote "*How to Run a Lathe*," which sold millions of copies all over the world and a copy of which Kevin passed around at the meeting. Most of the schools and colleges in the United States were using South Bend lathes in their engineering, vocational, and technical departments and they produced an affordable 9-inch precision lathe for the home workshop, capable of the same accuracy as their machines used in industry.

Purchased by American Steel (AMSTED), the company expanded into other machine tools, ran into financial difficulties, was sold to its employees and became the largest ESOP (Employee Stock Ownership Plan) in the US during the 70's. They are still in business today, owned by Woodstock International.

Kevin's films covered tool bit terminology, selection and sharpening and included cutting a shaft at multiple diameters, cutting a taper, measurement techniques, and cutting an ACME external thread using auto-feed.



Newton Saint Patty's Day Parade



TRACTORS IN PARADE:

Blace Flatt: John Deere 50, Kevin Adams: 1955 Farmall Cub LoBoy , Brad Swistack: 1968 IH Cub LoBoy , Ken Adams: 1967 IH Cub
 Chuck Klem: Oliver 77, Scott Dickerson: Farmall H, Tim Snook with Tiffany Redding on fender: Allis Chalmers WD45
 Dan Kent: Allis Chalmers WC, Eric Hayes: Farmall M towing the hay wagon
 Riding hay wagon: AnnMarie Adams and Parade Committee Members

GROUND CREW: Don Snook, Jim Swistack



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: 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.

For Sale: 2 Goodyear 16.9 x 24 6 ply Industrial Sure Grip Tractor/Backhoe tires. Approx 40% tread. Good condition, great for spares. (These tires are \$800 each when new) Asking \$125 each or willing to trade for decent 11.2 x 28 tractor tires for Ford 2N. **CONTACT:** John at 973-919-0369

WANTED: Parts for International M Hit or Miss Engine. Piston, sleeve, etc. needed, all parts considered. **CONTACT:** John at 973-919-0369

LOCAL EVENTS & SHOWS

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

Military Vehicle Show and Swapmeet

April 16th & 17th, 2011

Sussex County Fairgrounds

www.mtaswapmeet.com



Email: info@mtaswapmeet.com

Phone: 973-670-1277

www.mtaofnj.org

SPRING CONSIGNMENT AUCTION!

NORMAN FARMS AUCTION SERVICE

For info call: 845-858-8242

Attendees & consignments welcome

FARM EQUIPMENT TOOLS
LAWN & GARDEN EQUIPMENT!

Saturday, April 16th, 2011 9:00 AM

LOCATION:

Gantz Farm Services
Country Route 12, New Hampton, NY