



The Line Shaft

The Official Newsletter of the

NORTH JERSEY ANTIQUE ENGINE & MACHINE CLUB

April 2016



President: Blace Flatt
(973) 663-1090

Vice Pres: Andrew Mackey
(862) 432-1552

Treasurer: AnneMarie Baldwin
(973) 946-1726

Secretary: Jeff Brooks
(973) 997-5284

Our Web Address: njaemc.org

Founded on October 15th, 1979 by: Arthur Goble, Fred W. Westbrook, John Snook, Roy Bischoff & Lewis Quince

The March 10th meeting was held at the administration building with 25 members attending. AnneMarie read the treasury report and several expenditures were voted on.

Jeff discussed the preparations for the **Newton Saint Patrick's Day Parade**...see pictures on Page 2 of this newsletter. Andy and Jeff discussed other upcoming events including the **Military Show**...see page 3...and **Blue Mountain Antique Gas & Steam Engine Association's SWAP MEET** on May 21st and 22nd. and the **Hudson Valley Old time Power Association's Annual Auction** on May 14th....additional info on all these events can be found on-line.

Jeff and AnneMarie continued with the collection of 2016 DUES...keep the \$ coming!

The highlight of the meeting was an excellent discussion of MIG Welding by Dave Betts..see page (3) of the newsletter for the write-up and information on the presentation.



Another discussion topic at the meeting was the dismal response to our continued request for:

Someone to step up...and become an officer.

Please take a few moments and think about the club and what its meant to you in the past and perhaps it is time to give something back. Any questions or thoughts should be directed to: Dave Betts (973) 303-1994 or Chuck Klim (973) 948-0693 or any of the current board members, whose phone numbers are above.

The April 14th meeting will be held at the SHED and will start at 7PM...

Saint Patrick's Day Parade...Newton NJ

March 19th 2016

Thank you to the:

**New Jersey
Herald**

For including us in both
their print & on-line
pictures!



The MTA's 15th annual SWAP MEET & MILITARY VEHICLE SHOW

will be held at the *Fairgrounds* on
April 16th and 17th

It would be appreciated if you could bring a tractor, truck or engine!

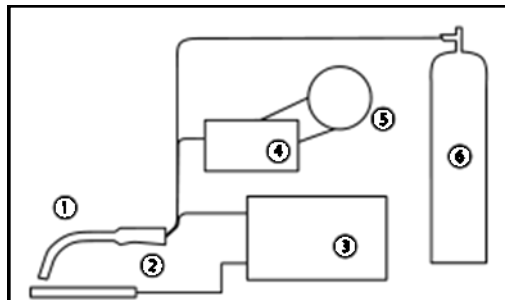


M (Metal) I (Inert) G (gas) Welding

Gas metal arc welding, popularly known as MIG welding is a welding process that uses a continuously fed electrode (in the form of a wire) for filler metal and an externally supplied gas or gas mixture for shielding. The shielding gas...helium, argon, carbon dioxide, or mixtures of gases...protect the molten weld metal from mixing with the surrounding atmosphere. It can be used with all the major metals and is a preferred method for aluminum welding. An out-growth of the process is the use of self-shielded flux-core tubular wire, a continuous feed high speed version of stick welding that allow welding in inclement weather (think wind) and does not require gas shielding.



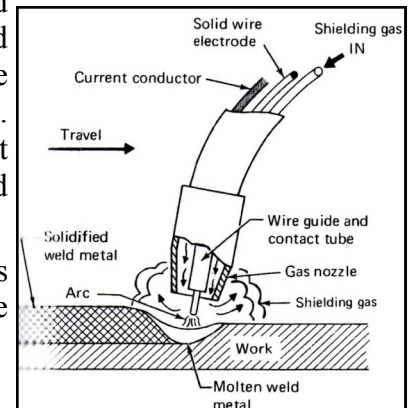
Dave explained that he considers himself a hobbyist welder, became interested in welding a few years ago...bought a Millermatic 211 and a self darkening helmet...investment about \$1,500.00...and thru trial and error became a fairly decent steel-only welder. The \$ is a minimum amount you will need to spend. His 211 is a 30% duty cycle unit (the real cheapies are 10% duty cycle and you will never get much done), a bare wire feed machine that takes a variety of wire sizes, can run at either 110V or 220V, uses a mixture of 75% argon and 25% CO₂, or as an option self shielded flux-core wire (with a different tip). The output power can be adjusted automatically or manually, although he prefers the manual set-up and he reviewed the set-up chart (see picture) on the inside of the side panel. It is semi-automatic, using a hand held manually controlled



1. Welding torch
2. Work piece
3. Power source
4. Wire feed unit
5. Electrode spool
6. Shielding gas

gun that feeds both the wire and shielding gas and has a replaceable brass tip sized to the wire being used. Dave feels that either the Lincoln (not the knock-off at HOME DEPOT) or the Miller are good units...again, a minimum of 30% duty cycle is a must.

Dave also went into a discussion of auto-darkening helmets and the various tools required...and some of the protective measures that need to be taken.



Thank you Dave...a nice topic and presentation!

Please patronize the local businesses that contributed to our club this past year. They are all right here in Sussex County and live in the community.

Tire King

Charley and Dan Kuperus at Tire King in Sussex, offer fast, professional, friendly service at the lowest prices east of the Delaware. Mention that you own an Oliver, like Oliver's or have seen one recently and you are treated like family. Tire King is more than just tires and offers a full range of services for your car, truck or tractor. Phone: 973- 875-5950

Ideal Farms

We are so fortunate to have a local farm that grows the quality produce like Jan, Ben and Ben Jr. provide. They also offer a variety of jellies, honey and other delicious local made food items. Stop in and check their garden center. You have to try their "out of this world " homemade donuts made fresh every day. Phone: 973-579-3393

The Plaza Barber Shop

Lenny Vance has been clipping local residents for 50 years in the same old barbershop located in the lake Mohawk Plaza. He knows all the latest fads and styles at a price you will not believe...just like the stories he may regale you with. No fancy colognes, hairdryers or chrome barber chairs, just a professional haircut at a fair price. Walk in anytime or call 973-726-9311

Wilson Coal and Supplies

Stop in and visit with the Wilson family on Limecrest Road to see the variety of stoves they have installed along with all the supplies you will need to heat your home. Judy will be more than pleased to answer any questions you may have regarding a new installation or issues with your current heating system. Be sure and ask to meet the newest addition to the family, "COAL" the black Lab. Call 973-729-5555 if you have any stove related questions.

Augites Brooklyn Bagels

Augites ain't just the best bagels in Sussex County. Harry the baker bakes fantastic sweet rolls and pastries, along with old time crusty Italian bread and rolls. New York style sandwiches are their specialty. Call or stop in for catering or business delivery. Phone: 973-729-4100

Chatterbox

You don't have to travel to one of those new fancy expensive hamburger joints at the mall to get a delicious hamburger. Great 1950's ambiance and friendly service with a menu that has entrées to please everyone in your family. Did someone say Milkshake? Open 7 day a week. Phone: 973-300-2300

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