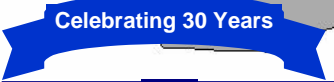


October 2009



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Gene Trevena - President  
East Coast Utilities Construction  
603-566-9544

Eric Quinlan, Vice President  
Charles George Trucking  
603-231-4167

Kevin Quigley, Secretary  
Myra Distributors, Inc.  
603-319-8294

Wayne Peasley - Treasurer  
Peasley Safety Consulting, LLC  
603-428-6180

**MAGS Directors**

Jack Fredericks  
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Jim Boyd  
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*We're on the road again... See you at Raymond DPW October 14<sup>th</sup>*

# Maintain!

**Next Meeting - October 14, 2009 at Raymond, NH - DPW Garage**

**Next Meeting! - American Hydraulic Repair LLC.**



**Jeff Garland of American Hydraulic Repair** will be our speaker for the October 14th meeting.

Jeff will speak on the Proper Care and Feeding of hydraulic systems covering topics such as what to do, what not to do, and what to look out for - from troubleshooting to repair. He will bring samples of some of his more interesting jobs demonstrating what can happen when things go wrong. The samples have to be seen to be believed and the stories that go along with them provide lessons for anyone dealing with hydraulics. "It's one job I never found boring," he said recently. This meeting is a must-see for anyone involved in hydraulics.

Jeff's background is varied and complete, having worked as Head Mechanic at Bridgewater Power and Bio-Energy in NH. He has also served as Shop Foreman at Florida Screw Conveyor in Palmetto, Florida and as Construction Superintendent for Sunshine Utility Equipment. Before starting AHR, Jeff worked for Donovan Equipment by taking over their machine shop and converting it into a hydraulics repair shop. He then ran the shop for the next four years.

Jeff started American Hydraulic Repair eleven years ago. He moved the operation to Bow, NH at the River Road location over five years ago. AHR repairs cylinders, makes new barrels, rods, and anything else to make sure the job gets done. They also manufacture complete cylinders - in-house, handling all makes and models of cylinders, they also have the capability to produce custom work when the need arises. When something's not

available - they make it. American Hydraulic Repair LLC is a GOOD company to know.

American Hydraulic Repair is located at 138 River Road, Unit 4, in Bow, New Hampshire. Jeff can be reached at 603-225-1185 (faxes go to 603-225-2614). *(Text by Bob Merrill)*

**Directions to Raymond DPW. From the West** - Take Route 101 East to Exit 5. Merge onto FREETOWN RD/NH-102/NH-107 via EXIT 5 toward RT-156/RAYMOND - go approx. 1.2 miles. Turn LEFT onto EPPING RD/NH-101 BR/NH-107/NH-27. Continue to follow NH-101 BR/NH-107/NH-27 - go approx. .8 miles. 73 ROUTE 27 is on the RIGHT.

**From the East** - Take Route 101 West toward Manchester. Take the RT-107 exit, EXIT 5, toward RT-156/RAYMOND - approx. .4 miles. Turn SLIGHT RIGHT onto FREETOWN RD/NH-102/NH-107 - go approx. .4 miles. Turn LEFT onto EPPING RD/NH-101 BR/NH-107/NH-27. Continue to follow NH-101 BR/NH-107/NH-27 - go approx. .8 miles. 73 ROUTE 27 is on the RIGHT.

**MEAL RESERVATIONS**

The social hour will be from 6:00 PM to 7:00 PM. The meal starts at 7:00 PM with the presentation starting between 7:45 PM and 8:00 PM. The cost will be \$15.00 per person.

**Dinner reservations must be made one week before the meeting. For the meeting on Wednesday October 14, please call your reservations by 5 PM Tuesday October 6th.** Please make your reservations by calling 1-877-525-3581 or e-mail to nhmags@comcast.net

Purchase of a meal is not required to attend the meeting. Guests of members are always welcomed.

**Return calls confirming meal reservations cannot be accommodated!**

**Visit our website:  
www.nhmags.com**

## Highlights of September 2009 meeting -



Mr. Dan Smith from Boston Auto Electric provided the membership with an excellent overview of the electrical systems of modern trucks and automobiles. Dan started out with an overview of the Battery System. This

system's function is to provide electrical current to power the cranking system and other electrical systems when the alternator is not running. The Battery System consists of three parts: the battery, the battery cables and the relays. Dan next moved to information on testing the battery system. He emphasized that a great deal of cautions should be exercised when testing a battery. Next he discussed the cranking motor. The function of this motor is to turn the engine over with enough rpm's to allow the engine to fire and start. New technology for starter motors include Integrated Magnetic Switches (IMS). The load is taken off the ignition switch circuit by the IMS, which is a relay that is added to the switch terminal of a starter solenoid. The last topic covered was the Charging System. The alternator replaces to the battery the power that was used to initially crank the motor. It also supplies electricity to the electrical systems as the motor runs. When a stock alternator is installed in a vehicle it is designed to hold the load of the vehicle as built. If additional loads are added you may need to upgrade the alternator. (Text by Wayne LaMalva)



Dan Smith of Boston Auto Electric discusses troubleshooting a charging system at the September 2009 MAGS meeting.

### GOT NEWS?

Send your news articles, press releases and photos to MAGS for inclusion in **your** newsletter. Documents can be sent to [nhmags@comcast.net](mailto:nhmags@comcast.net)



Eric Quinlan, MAGS Vice President (right) presents a plaque to MAGS immediate-past President Jim Joyal recognizing his accomplishments and dedication to MAGS during his tenure as MAGS President for 2008 - 2009.



MAGS member Jack Lewis of Pembroke Towing asks a question of Dan Smith, speaker from Boston Auto Electric at the September MAGS meeting at Mojo's Family Restaurant in Manchester.

### MAGS Committees -

- **Planning** - Chairman Jim Boyd, Vice Chairman Craig Sykes, Members: Jack Fredericks;
- **Membership** - Chairman Eric Quinlan, Vice Chairman Mike Dragon, Members: Craig Sykes, Kevin Quigley, Wayne LaMalva;
- **Scholarship** - Chairperson Terri Rich, Vice Chairman Bob LeBreux, Members: Bruce Gilbert, Eric Quinlan;
- **Finance & Audit** - Chairman Bruce Gilbert, Vice Chairman Craig Sykes, Members: Officers & Directors;
- **Communications** - Chairman Bob Merrill, Vice Chairman Craig Sykes, Members: Wayne Peasley, Wayne LaMalva;
- **Nominating** - Chairman Gene Trevena, Vice Chairman Bob Merrill, Members: Officers & Directors. (Text by Wayne LaMalva)

## MAGS Thanks Our Corporate Members

Alan's Diesel Service, Inc.	McDevitt Truck Sales
Arrow Equipment, Inc.	Merrill & Sons Truck & Coach, LLC
Balcom Bros., Inc.	Myra Distributors, Inc.
Belletetes, Inc.	NAPA Auto Parts - KRL, Inc.
Bestway Disposal Services	New Boston Truck & Equipment
Brock's Plywood Sales, Inc.	New England Truck Repair
Broken Wrench Repair, LLC	Northeast Logistics, Inc.
C & J Trailways	Peasley Safety Consulting, LLC
Camerota Truck Parts	Pembroke Auto Service
Capital Well Co., Inc.	Pembroke Towing, Inc.
City of Concord	Plourde Sand & Gravel Co., Inc.
City of Keene	Putnam Fuel Co., Inc.
Coastal Truck and Auto Body	R.H. White Construction Co., Inc.
Complete Diesel Service, LLC	Rick's Truck & Trailer Repair
Concord Coach Lines, Inc.	Rochester Truck Repair, LLC
Del R. Gilbert & Son Block Company	Russell Auto, Inc.
Dennis K. Burke, Inc.	Rymes Propane & Oil, Inc.
Dennison Lubricants, Inc.	S & J Transportation Services, Inc.
Dover Motor Mart-FM Inc.	Sanel Auto Parts
Duval's Towing	Seabrook Truck Center, Inc.
Eastern Propane & Oil, Inc.	Simply Green, A Biofuels Company, LLC
East Coast Utilities Construction	Starkey Welding & Crane Service
F.L. Merrill Construction, Inc.	State Line Truck Service, Inc.
Fleetpride, Inc.	Thibeault Corporation of NE
Foley Oil Co.	Town of Gilford - Public Works Dept.
Freightliner of NH	Town of Hanover
GH Berlin Lubricants	Town of Mason
Gilbert Driveline Service & Supply, Inc.	Town of Raymond - Maintenance Div.
Hanscom's Truck Stop, Inc.	Utility Trailers of New England, Inc.
H. R. Clough, Inc.	W.W. Berry's Transportation, Inc.
Instant Cargo Express	Windward Petroleum, Inc.
JMJ Transportation Technical Services	Yankee Trucks, LLC
John's Wrecker Service	Zero Waste, Inc.
Liberty International Trucks of NH, LLC	



*The Maintenance Association of the Granite State (MAGS) is an organization dedicated to the education of vehicle maintenance personnel, whether they are technicians, parts professionals or managers. We meet regularly for education and networking with others in our chosen field. Meetings are usually held in Concord but, are also held at vendors and members facilities. We invite you to join us by attending a meeting to see if we can help you improve your skills or make your job easier and more enjoyable. Go to [www.nhmags.com](http://www.nhmags.com) for a MAGS application.*

**Visit the MAGS Website:**

**[WWW.NHMAGS.COM](http://WWW.NHMAGS.COM)**



**MAGS**  
 P.O. Box 282  
 Concord, NH 03302-0282

**ADDRESS SERVICE REQUESTED**

**MEETING NOTICE**  
**OCTOBER 14, 2009**

Maintenance Association of the Granite State  
 P.O. Box 282  
 Concord, NH 03302-0282

***Application for Membership***

Fill in your information below, check the type of membership and mail with your check to MAGS.

**NAME:**

**COMPANY NAME:**

**ADDRESS:**

**CITY, STATE & ZIP:**

**TELEPHONE:** **EMAIL:**

<input checked="" type="checkbox"/> Check One	Description	Amount Due
	2009 Corporate Membership Dues	\$50.00
	2009 Individual Membership Dues	\$20.00

Please make your check payable to MAGS. Thank you. Your support of MAGS is appreciated.