



# Connecting Rod

July 2008

Oregon SAE Newsletter

Volume 13 Issue 2



## Governing Board Meeting

**When:** July 29<sup>th</sup>; 4:30pm

**Where:** Room 1J; Freightliner Corporate Building, [4747 N Channel Ave, Portland OR](#)

Meeting minutes and agenda are located at <http://www.oregonsae.org/GovBoard.html>

## Friday Lunch Meeting

**What:** Learn about amateur/Ham radio, its history and role in today's society

**When:** July 25<sup>th</sup> 2008; 11:45am

**Where:** Freightliner Corporate Conference Center, [4555 N. Channel Ave, Portland OR](#)

**Cost:** \$6 with meal, Students 50% off

**RSVP:** Andre Susanto at [andre.susanto@daimler.com](mailto:andre.susanto@daimler.com)

## Evening Tech Meeting

**What:** Basics of Going Solar, Stuart Green from Solar Oregon

**When:** July 31, 2008. 5:30 Social, 6:00 dinner/presentation

**Where:** Freightliner Corporate Conference Center, [4555 N. Channel Ave, Portland OR](#)

**Cost:** \$9 for members, \$10 for non-members, Students 50% off

**RSVP:** Shiva Duraiswamy at [shiva.duraiswamy@daimler.com](mailto:shiva.duraiswamy@daimler.com)

## News/Announcements

The sun is shining this time of year! Time to think about barbeques, camping, going to the beach... and being engineers – how do you harness that energy? Learn the basics of going solar at this month's tech meeting. And yes, it is possible even in Western Oregon.

Also this month, learn about Ham radio at our Friday lunch meeting. Ham radio has had an interesting, and somewhat underappreciated history. Come grab lunch and learn more! After all, there's a little HAM in each of us!

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## Section Officers, 2008-09

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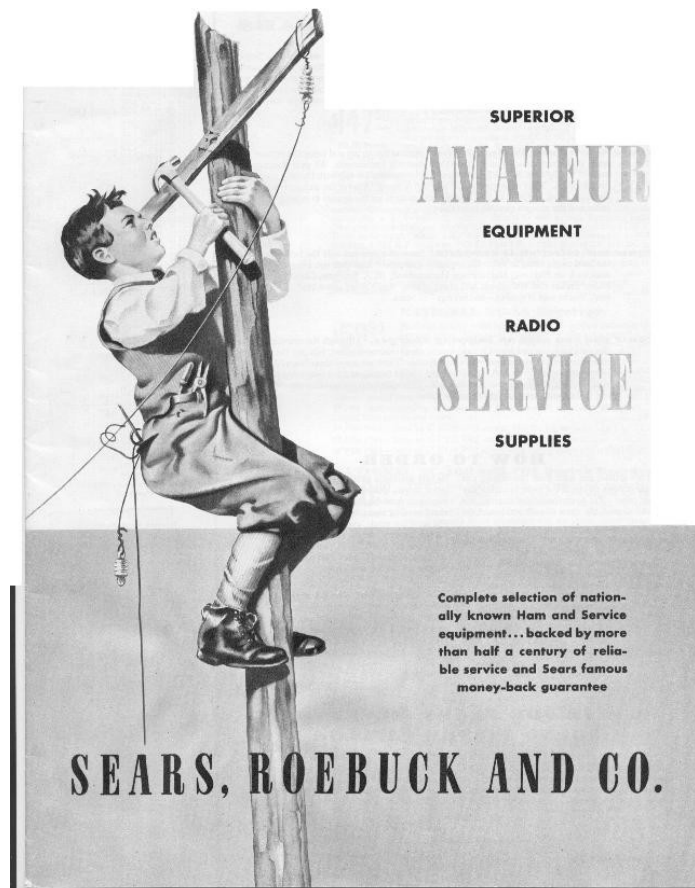
## Ham Radio, its history and role in today's society There's a Little HAM in All of Us

What: Learn about amateur/Ham radio, its history and role in today's society  
When: July 25<sup>th</sup> 2008; 11:45am  
Where: Freightliner Corporate Conference Center, [4555 N. Channel Ave, Portland OR](http://www.freightliner.com)  
Cost: \$6 with meal, Students 50% off  
RSVP: Andre Susanto at [andre.susanto@daimler.com](mailto:andre.susanto@daimler.com)

Amateur (Ham) Radio has a long and interesting history. From its roots in the birth of "wireless" at the turn of the 20th century, through tumultuous times between 1912 and 1919 when amateurs were almost completely banned from operating, the Amateur Radio service has come a long way. Hams have a reputation--sometimes deserved--for being boisterous, rowdy folk, yet when all else fails, Amateur Radio remains ready to serve.

Come and learn about the history and value of ham radio, from the hams who contributed to society, the inventors who were never licensed yet contributed both to radio and automotive progress, and even some of the modern conveniences that resulted from experimentation by ham radio operators. Learn about activities that occur around the globe or even in our own backyards. And finally, learn what it takes to become licensed. After all, there's a little HAM in each of us!

Amateur radio was used to coordinate disaster relief activities when other systems failed in the 2001 attacks on the World Trade Center in Manhattan, the 2003 North America blackout and Hurricane Katrina in September 2005. On September 2, 2004, ham radio was used to inform weather forecasters with information on Hurricane Frances live from the Bahamas.



## Basics of Going Solar Where Do You Start?

What: Basics of Going Solar, Stuart Green from Solar Oregon  
When: July 31, 2008. 5:30 Social, 6:00 dinner/presentation  
Where: Freightliner Corporate Conference Center, [4555 N. Channel Ave, Portland OR](http://www.freightliner.com)  
Cost: \$9 for members, \$10 for non-members, Students 50% off  
RSVP: Shiva Duraiswamy at [Shiva.Duraiswamy@Daimler.com](mailto:Shiva.Duraiswamy@Daimler.com)

Solar energy is one of the most abundant sources of renewable energy. Solar energy can offset the dependence on fossil fuels, while emitting no harmful pollutants into the atmosphere. Automotive manufactures are investigating the installation of photovoltaic panels on cars to run auxiliary systems to improve fuel economy.

This meeting covers the basics of why solar is a smart choice and will cover the following topics:

- Identify available solar technologies
- Provide an overview of solar water heating systems
- Provide an overview of solar electric systems
- Explore new applications for Solar Energy

Participants will come away with basic knowledge about solar energy systems and will be prepared to do more focused research on their own.

Solar Oregon, based in Portland, is an organization promoting benefits of solar energy and its applications in Oregon.

