



Valley Engineer Newsletter

September, 2015

UPCOMING PROGRAMS

- September 24-25, State PSPE Conference, Four Points Sheraton, Cranberry, PA
- September 29, Smooth-on tour



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**LEHIGH VALLEY CHAPTER
(ORGANIZED 1935)**

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President's Message

Alfred Gruenke, PE

I want to thank the Board, the Nominating Committee, and the Chapter members for choosing me to be President for the next year. It is an assignment that I will strive to honor, to the best of my ability.

This Chapter has a tradition of service to the Engineering Community, and to the community at-large. This is a tradition I intend to continue.

On Tuesday, 8 September, we had our first Board meeting at the offices of Barry Isett & Associates on Rt. 100. Thank you again, Kevin Campbell! It was a good meeting, at which we set a direction for the Chapter for the following year. Minutes of the meeting are at the end of this newsletter, but we will try to cover the main topics here.

We have sponsored MATHCOUNTS® for over thirty years. Kevin Campbell has graciously volunteered to continue as head of that effort, and I thank him heartily! I must confess that the whole MATHCOUNTS operation scared me most about accepting the position of President! All those kids, and schools, and volunteers, all in tune like a well-written symphony is truly awesome. I will gladly be the emcee, and have my picture taken, and have Kevin & Co. be the conductor. Thank you, Kevin! More news to follow.

Every year our Chapter submits the candidates for Engineer of the Year and Young Engineer of the Year to the Lehigh Valley Engineers Council at their annual Banquet celebrating Engineer's Week in February. Instead of offering "one of our own", this year we are going to open up the nominations to the many fine firms that contribute to our Scholarship Fund. These are the people that have made our Chapter what it is today, and they deserve to have their members recognized for their engineering achievements.

Our tradition of tours of area businesses will continue. A number of tours were discussed, including an IronPigs baseball game next spring. Suggestions from members are always invited.

The Smooth-On tour, in East Texas, is tentatively scheduled for September 29th.

It was proposed that an effort be made to involve non-board members for the various committees, to bring more people into the Chapter functions.

Our Chapter now has a post office box! This should simplify contributions to our Scholarship Fund as well as other Chapter communications. Our mailing address is:

LVPSPE
P.O. Box 3441
Allentown, PA 18106

The box is located at the Post Office on Brookside Road in Wescosville.

Our Chapter will have a sizable contingent at the State Conference on September 24-26. We will be receiving awards for our website and our newsletter, and a Special Projects award for our "Who Wants to be an Engineer" presentations.

On the evening of the 24th, there will be a Trivia Contest, with the chapters competing for a \$500.00 donation to the MATHCOUNTS fund. Angelika Forndran, Peter Staffeld, Eric Tappert, my wife Joanie and myself will represent the Chapter. To prepare, we're going to be watching "Jeopardy" every day, both the evening shows and the afternoon reruns. There will be a pep rally beforehand, featuring cheerleaders, dancing seals, juggling clowns, and a marching band! I urge all members to root for us by pulling out their slide rules and reciting the Natural Logarithm, e, to 32 places!

It should be interesting year, and I'm looking forward to it. We'll stay in touch.

ULTIMATE OLD CAR HISTORY

ENJOY THIS ONE - EARLY AUTOS 101
Submitted by Dale Gogel, PE

Q: What was the first official White House car?

A: A 1909 White Steamer, ordered by President Taft.

Q: Who opened the first drive-in gas station?

A: Gulf opened up the first station in Pittsburgh in 1913.

Q: What city was the first to use parking meters?

A: Oklahoma City, on July 16, 1935.

Q: Where was the first drive-in restaurant?

A: Royce Hailey's Pig Stand opened in Dallas in 1921.

Q: True or False? The 1953 Corvette came in white, red and black.

A: False. The 1953 'Vett's were available in one color, Polo White.

Continued on page 16

SCHOLARSHIP SPONSORS

A great way to be involved in the LVPSPE Chapter is to contribute to the **LVPSPE SCHOLARSHIP FUND**. Please Contact the Valley Engineer Editor to sponsor scholarships for the remainder of the calendar year.

If you would like to contribute in any amount – please send your TAX DEDUCTIBLE donation to PA ENGINEERING FUND. Donations should be mailed to:

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Please note “LVPSPE Scholarship Fund” on the comment line.

Or, you may contribute via the LVPSPE website <http://www.lvpspe.org/Donations>.

Scholarship application is at <http://www.lvpspe.org/Scholarships>. Any questions regarding scholarships can be directed to

Alex Dezubay, PE
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Continued on page 14



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Board of Direction Meetings

The monthly Board of Direction meetings are 6:00 PM on the second (2nd) Monday of each month. Open to all members; they are held at the office of Barry Isett & Associates, 85 South Route 100, Allentown, PA.

2015–2016 Chapter Officers

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Q: What was Ford's answer to the Chevy Corvette, and other legal street racers of the 1960's?

A: Carroll Shelby's Mustang GT350.

Q: What was the first car fitted with an alternator, rather than a direct current dynamo?

A: The 1960 Plymouth Valiant

Q: What was the first car fitted with a replaceable cartridge oil filter?

A: The 1924 Chrysler.

Q: What was the first car to be offered with a "perpetual guarantee?"

A: The 1904 Acme, from Reading, PA. Perpetuity was disturbing in this case, as Acme closed down in 1911.

Q: What American luxury automaker began by making cages for birds and squirrels?

A: The George N. Pierce Co. of Buffalo, who made the Pierce Arrow, also made iceboxes.

Q: What car first referred to itself as a convertible?

A: The 1904 Thomas Flyer, which had a removable hard top.

Q: What car was the first to have its radio antenna embedded in the windshield?

A: The 1969 Pontiac Grand Prix.

Q: What car used the first successful series-production hydraulic valve lifters?

A: The 1930 Cadillac 452, the first production V16.

Q: Where was the world's first three-color traffic lights installed?

A: Detroit, Michigan in 1919. Two years later they experimented with synchronized lights.

Q: What type of car had the distinction of being GM's 100 millionth car built in the U.S.?

A: March 16, 1966, saw an Olds Toronado roll out of Lansing, Michigan with that honor.

Q: Where was the first drive-in movie theater opened, and when?

A: Camden, NJ in 1933.

Q: What autos were the first to use a standardized production key-start system?

A: The 1949 Chryslers.

Q: What did the Olds designation 4-4-2 stand for?

A: 4 barrel carburetor, 4 speed transmission and dual exhaust.

Q: What car was the first to place the horn button in the center of the steering wheel?

A: The 1915 Scripps-Booth Model C. The car also was the first with electric door latches.

Q: What U.S. production car has the quickest 0-60 mph time?

A: The 1962 Chevrolet Impala SS 409. Did it in 4.0 seconds. Sorry, but today: 2015 Chevrolet Corvette Z06 does 0-60 MPH (8-speed automatic): 2.95 seconds.

Q: What's the only car to appear simultaneously on the covers of Time and Newsweek?

A: The Mustang

Q: What was the lowest priced mass produced American car?

A: The 1925 Ford Model T Runabout. Cost \$260, \$5 less than 1924.

Q: What is the fastest internal-combustion American production car?

A: The 1998 Dodge Viper GETS-R, tested by Motor Trend magazine at 192.6 mph.

Q: What automaker's first logo incorporated the Star of David?

A: The Dodge Brothers (some have stated that this actually is two Greek letters, Delta, Δ, interlocked. ed)

Q: Who wrote to Henry Ford, "I have drove Fords exclusively when I could get away with one. It has got every other car skinned, and even if my business hasn't been strictly legal it don't hurt anything to tell you what a fine car you got in the V-8?"

A: Clyde Barrow (of Bonnie and Clyde) in 1934.

Q: What car was the first production V12, as well as the first production car with aluminum pistons?

A: The 1915 Packard Twin-Six. Used during WWI in Italy, these motors inspired Enzi Ferrari to adopt the V12 himself in 1948.

Q: What was the first car to use power operated seats?

A: They were first used on the 1947 Packard line.

Q: Which of the Chrysler "letter cars" sold the fewest amount?

A: Only 400, 1963, 300J's were sold (they skipped "I" because it looked like a number 1)

Q: What car company was originally known as Swallow Sidecars (aka SS)?

A: Jaguar, which was an SS model first in 1935, and ultimately the whole company by 1945.

Q: What car delivered the first production V12 engine?

A: The cylinder wars were kicked off in 1915 after Packard's chief engineer, Col. Jesse Vincent, introduced its Twin-Six.

Q: In what model year did Cadillac introduce the first electric sunroof?

A: 1969

Q: In January 1930, Cadillac debuted it's V16 in a car named for a theatrical version of a 1920's film seen by Harley Earl while designing the body. What's that name?

A: The "Madam X," a custom coach designed by Earl and built by Fleetwood. The sedan featured a retractable landau top above the rear seat.

Q: Which car company started out German, yet became French after WWI?

A: Bugatti, founded in Molsheim in 1909, became French when Alsace returned to French rule.

Q: What U.S. production car had the largest 4 cylinder engine?

A: The 1907 Thomas sported a 571 cu. in. (9.2 liter) engine.

Q: What car was reportedly designed on the back of a Northwest Airlines airsickness bag and released on April Fool's Day, 1970?

A: 1970 (AMC) Gremlin (so that explains it!).

Q: When were seat belts first fitted to a motor vehicle?

A: In 1902, in a Baker Electric streamliner racer which crashed at 100 mph on Staten Island!

Q: What is the Spirit of Ecstasy?

A: The official name of the mascot of Rolls Royce. She is the lady on top of their radiators.

Q: What was the inspiration for MG's famed octagon-shaped badge?

A: The shape of founder Cecil Kimber's dining table. MG stands for Morris Garages.

Q: In what year did the "double-R" Rolls Royce badge change from red to black?

A: 1933

Trivia...Ford, who made the first pick-up trucks, shipped them to dealers in crates that the new owners had to assemble using the crates as the beds of the trucks. The new owners had to go to the dealers to get them, thus they had to "pick-up" the trucks.

 An old geezer, who had been a retired farmer for a long time, became very bored with retirement, so he decided to open a medical clinic. He put a sign up outside that said: "Dr. Geezer's clinic. Get your treatment for \$500; if not cured get back \$1,000."

Dr. "Young," who was positive that this old geezer didn't know beans about medicine, thought this would be a great opportunity to get \$1,000.

So he went to Dr. Geezer's clinic.

This is what transpired:

Dr. Young: "Dr. Geezer, I have lost all taste in my mouth. Can you please help me?"

Dr. Geezer: "Nurse, please bring medicine from box 22 and put 3 drops in Dr. Young's mouth."

Dr. Young: "Aaagh !! -- "This is Gasoline!"

Dr. Geezer: "Congratulations! You've got your taste back. That will be \$500."

Dr. Young gets annoyed and goes back after a couple of days figuring to recover his money.

Dr Young: "I have lost my memory. I cannot remember anything."

Dr. Geezer: "Nurse, please bring medicine from box 22 and put 3 drops in the patient's mouth."

Doctor Young: "Oh no you don't, that is Gasoline!"

Dr. Geezer: "Congratulations! You've got your memory back. That will be \$500."

Dr. Young (after having lost \$1000) leaves angrily and comes back after several more days.

Dr. Young: "My eyesight has become weak, I can hardly see !!!!"

Dr. Geezer: "Well, I don't have any medicine for that, so here's your \$1000 back."

Dr. Young: "But this is only \$500..."

Dr. Geezer: "Congratulations! You got your vision back! That will be \$500."

Moral of story -- Just because you're "Young" doesn't mean that you can outsmart an old "Geezer" !!!!

 I'm convinced that about half of what separates successful entrepreneurs from the non-successful ones is pure perseverance.

-Steve Jobs

 I've done something new for this fight. I done wrestled with an alligator, I done tussled with a whale; Handcuffed lightning, thrown thunder in jail; Only last week, I murdered a rock, injured a stone, hospitalized a brick; I'm so mean I make medicine sick." -Muhammad Ali, before the "Rumble in the Jungle" Kinshasa, Zaire (Congo), on October 30, 1974

 When the goldenrod is yellow,
 And leaves are turning brown -
 Reluctantly the summer goes
 In a cloud of thistledown.
 When squirrels are harvesting
 And birds in flight appear -
 By these autumn signs we know
 September days are here."
 -Beverly Ashour, *September*

 Life can't be all bad when for ten dollars you can buy all the Beethoven sonatas and listen to them for ten years.

-William F. Buckley



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Minutes for the September 8, 2015 BOARD OF DIRECTORS MEETING
6:00 pm at the Office of Barry Isett & Assoc. 85 S. Route 100, Allentown, PA

Attendees: Al Gruenke, Brian Kutz, Chris Williams, Peter Staffeld (phone), Don Kohn, Ray Szczucki

Call to Order: Chris Williams called the meeting to order at 6:05 PM

President – Al Gruenke

- Al thanked the Chapter for their support as he looks forward to serving as President.
- Valley Engineer – Al G will continue organizing newsletter.
- Scholarships – Al G will continue his fundraising efforts and set goal at \$13,000.
- All agreed that the Chapter should have a P.O. Box rather than relying on an individual's address. Motion by Don, seconded by Brian, all were in favor.
- MATHCOUNTS – Al G said Kevin is still willing to serve as MATHCOUNTS Coordinator.
- EOY/YEOY – Not many applicants in past several years. Al suggested we ask scholarship/MATHCOUNTS contributors for nominations, all agreed.
- Scholarship Committee – Al Dezubay to chair. May be good opportunity to get non-board members involved in Chapter.

Programs – Everyone discussed various opportunities for monthly events.

- Cetronia Ambulance
- WDIY
- Hoover-Mason Trestle (SteelStacks): They charge \$12 for tour
- Crayola: Al has contact
- Rodale: Kevin may have contact from previous coordination
- Vynecrest Winery
- Smooth-On: Don has contact, owner is very willing to do tour
- Martin Guitar: Considered previously, may need to be weekday morning
- LV IronPigs and/or LV Phantoms game
- Eastern Exterior Wall Systems

State Conference

- Al G and Peter will attend.
- Al G sent advertisement in for conference at cost of \$400.
- Chapter won communication award for Chapter website.
- Chapter won Special Projects Award for Al G's "Who Wants to Be an Engineer" presentations to local students.
- Chapter to provide gift basket. Chris to coordinate. All agreed the Chapter would provide gift basket at a max cost of \$100. Motion by Don, seconded by Ray, all in favor.

Holiday Party – Everyone discussed venues for this year’s event:

- Stoned Crab – Al G in contact, they have a screen available for presentation. Expecting to hear back soon regarding food/bar prices.
- Bear Creek
- Allentown Brew Works - \$65/person
- Hotel Bethlehem
- Last year at Buckeye Tavern, cost was \$500 for bar, \$1,350 for food, had 37 attendees

Treasurer – Ray Szczucki

- Ray reviewed account balances (checking: \$2,146.26, business mkt rate acct: \$24,747.77).
- PSPE dues disbursement forthcoming. Due 9/18 to PSPE.
- Treasurer’s report approved on a motion by Don, seconded by Chris, all in favor.

Alternate State Director

- Al G appointed Brian to serve in the position.

Peter Staffeld

- Annual convention in Pittsburgh coming up.
- New President taking office, Eric Tappert to become Immediate Past President
- PSPE license plates have been approved by the state. Cost is \$100 plus additional \$100 for vanity plate. Must be member for this rate. Non-members pay additional \$400.

Adjournment at 7:06 PM on a motion by Don, seconded by Ray, all were in favor.