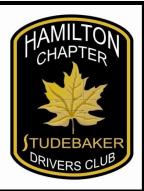




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Bullet-Sin

Facebook July/August 2023 Issue #: 4 Volume: 35 President: Peter Downey Vice President & Membership: Steve Porter Secretary: Roger Hill Treasurer: Roly Lusted Social Media: Susan Lusted



Our Níagara Tour

HAMILTON STUDEBAKER DRIVERS CLUB Finances June 1 to June 30, 2023						
June 1, 2023					Opening Bank Balance	\$ 3,611.04
			DEPOSIT	WITHDRAWALS		
DATE	TRANSACTIO N TYPE	DETAILS	AMOUNT	AMOUNT		BALANCE
June 12, 2023	Withdrawal	Studebaker National Museum Adopt a Car		690.2		2,920.8
June 20, 2023	Withdrawal	Domain Renewal		\$27.50		
		Security Cert.		\$37.50		
		Check Binder		25.71		\$2,830.1
.June 29, 2023	Deposit	Membership Jim Cumisky	\$20.00			\$2,850.1
Bank Fee				4.00		2,846.1
Total Deposits and Withdraws			\$20.00	784.91		
Bank Closing June 30, 2023					Bank Closing Balance	\$ 2,846.13

The Hamilton Chapter SDC newsletter, "The Bullet-Tin", is published bi-monthly to inform and serve its members. Permission is given to reprint articles from this newsletter as long as credit is given to the author and the Bullet Tin.

Deadlines for SubmissionsAug. 29, 2023Newsletter to be emailedSept. 11, 2023

Note:

When submitting an article, please use Word or RTF. Pictures should be in either Pdf or JPEG format.

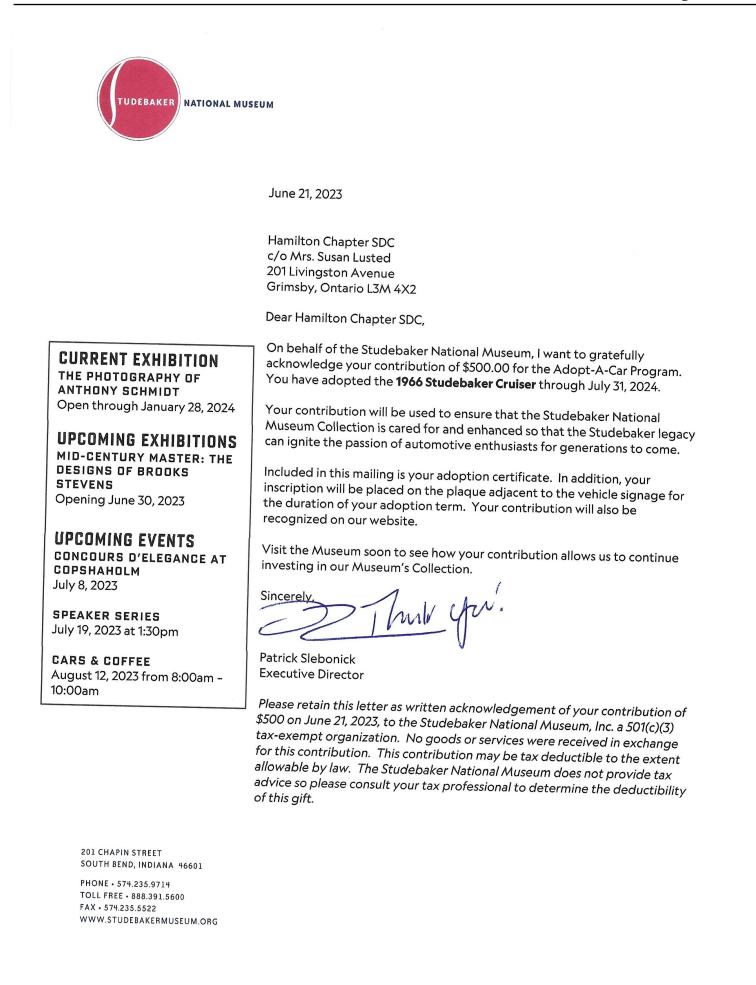


In this Issue

- 13th, Street Winery
- President's message
- Newsletter deadlines
- Treasurer's Update
- VP & Membership message
- Celebrations
- Gatorade– Who Knew?
- 1966 Studebaker Sponsorship letter and certificate.



Abopt - A - Car Program Certificate of Aboption Hamilton Chapter SDC has generously provided for the tare of this and other vehicles in the Museum's Collection with the adoption of the 1966 Studebaker Cruiser through July 31, 2024 Certified Bp Executive Director On This Date: June 21, 2023
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Letter from the President

By: Peter Downey

Hello friends.

Our August meeting will be R.J's Catering for a fish fry on Aug. 20th. Meeting at 3 p.m. and eat at 4 p.m. Details have been sent out and we need to know by Aug. 12th what your choices

are for the meal. Please email Susan Lusted lin93@sympatico.ca

We will again be visiting the site of the plaque at Mars Ave and Wentworth St. on Sept 2. Details to follow. It will be nice to be back.

Our annual auction will be held most likely in October at the Museum.

Our Christmas party is scheduled for Nov. 26 eating at 2 p.m. We are meeting at King's Forest Golf and Country Club. We will be having a Silent Auction and a penny sale. More on that one to come.

Just as an FYI, Turning Wheels editor Ann Turner had a major computer issue and the August issue went to press July 22 about 2 weeks late, so your Aug. issue will be late. The executive is working on a suitable memorial for Roly. The Roland Lusted Award will be fully laid out to everyone at our next meeting. Please remember to submit your choice to a member of the executive by Oct. 1st. The first recipient will be announced at our October meeting.

Happy Studebakering!

Be safe.

Peter Downey, President

Edited by Susan Lusted as our president was not available to do this.



Vice President & Membership Steve Porter



Membership to the SDC is a requirement for membership to our chapter.

Currently, we have 66 paid and honorary

members with only one outstanding unpaid membership.

For membership only, it is \$12 in US funds. This is membership only and no magazine.

Applications for both our chapter and the Studebaker Drivers Club can be found at this link for both the SDC and Hamilton Chapter membership. <u>Membership Information</u> (thehamiltonchaptersdc.ca)

Hamilton SDC membership link: Www.thehamiltonchaptersdc.ca

Social Media: Susan Lusted

Social media for our chapter is our website, and our Facebook page. Our website is up to date. We do maintain a very active Facebook page. It has lots of visits as monitored each week.

Our website page is located at <u>www.thehamiltonchaptersdc.ca</u>. It does contain pictures of members' cars. If yours is not there, please submit a picture in jpg format and we will display it.

Níagara Wínery Tour

By: Roger Hill



Our chapter decided to schedule its tour on

Wednesday June 28th, to avoid the heavy traffic that we see here in Niagara on weekends. If YOU were looking to plan a

"classic" car tour, what would you like to include - besides cheap gas? Very likely, excellent weather, plus light-traffic and paved

> winding roads with



properties to look at, an interesting mid-tour lunch stop with an excellent food menu? The Watering Can in Vineland provided an excellent stop both to eat and to shop for garden items. Studebakers to look at (with no breakdowns!),

tree canopy overhead? Lots of beautiful country



Hamilton Chapter's members Larry and Barb Gibson were the principal planners of this wonderful tour on June 28th in the Niagara Peninsula of Southern Ontario, just northwest of Buffalo NY. The area is known for its history (lots of War of 1812 sites, too) and its beauty, with the Niagara Escarpment running through it - which we navigated up and down a couple of times en route. We started at the Welcome Centre at Casablanca Blvd. and the Queen Elizabeth Way near Grimsby, toured for an hour, then had lunch at The Watering Can eatery and garden decor shop





The Bullet Tin

We had quite the variety of Studes too! Studebaker friends to be with, and a leisurely end-of-tour stop at a stunningly beautiful winery? Well sometimes an SDC Chapter's dreams come true (except for



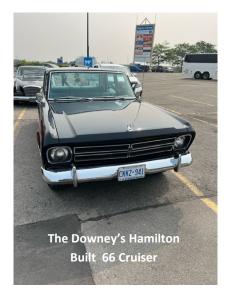
cheap gas)!

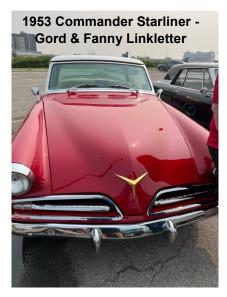




1963 GT Hawk (it's debut!) -Dennis Kennedy and Sandra Cruzo













Hamilton Chapter SDC

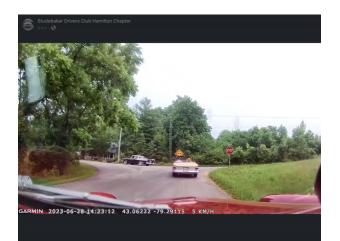


on the edge of St. Catharines, then toured a second hour to the 13th Street Winery, (with a bakery and art gallery!) also near St. Catharines. It was a great day!





We also had some members attending without Studes: Marguerite Ward, Kevin & Della Mullet, Barb & Jim Anderson, George & Marlene Wingfield, Sue Lusted and Graham Finley, Stu & Thelma Chapman.



Odds N' Ends

Further comments regarding oil for your Studebaker or Avanti for your consideration.

Thanks to Bob Zubkowski for taking time to comment on what is deemed as a desirable oil for our cars with flat tappets. He writes:

In Reply to, Odds N' Ends article "Getting More Out of Your Studebaker. I will start with my background. I am the President of Collector Automobile Motor Oil Ltd. of Calgary, Alberta Canada. CAM Oil was started in 2009 after reading "Our Oil Is Killing our Cars" by Keith Ansell. When CAM Oil started, I did not know the difference between a flat tappet engine, (as I called it Flat Bottom engine) and a roller engine. I soon learned that if you are going to be in business you better educate yourself.

So, in reply: Ask yourself these three questions."

Is my vehicle for passenger use?

Is my engine flat tappet?

Does my engine require American Petroleum Institute (AP) stands oil:

How do I choose the correct motor oil for a flat tappet engine?

Understand your application.

Select a product that has the right viscosity, the right chemical characteristics for the application.

Pick the oil that you trust to deliver all of these requirements.

- According to The Petroleum Quality Institute of America. "Some engine oils currently on the shelves can harm your engine. Read the labels!" Along with reading the label is understanding the information and to go to your oil brands website and read what it says.
- Do I understand the two letters in the API donut? What is the difference between the donut? What does the "starburst" donut mean? What does "Energy Conserving" on a donut mean?
- According to Comp Cams. "1450 ppm of ZDDP is bar e minimum requirement for a flat tappet engine." The highest amount of ZDDP created by API standard for flat tappet engine oil is 1600ppm, SF oil.

I will start with synthetic oils.

In July 1996, Consumer Report published the results of a two-year engine oil test involving a fleet of 75 New York taxi cabs and found no noticeable advantage of synthetic oils over regular mineral oil. In their article, the "Big-city cabs don't see many cold start-ups or long periods of high-speed driving in extreme heat. But our test results relate to the most common type of severe service, stop-and-go city driving." According to their study, synthetic oil is "worth considering for extreme driving conditions, ambient temperatures and high engine load, or very cold temperatures.

Taken from Wikipedia"

Flat tappets are not completely flat. They have a very slight crown ground into their face. Also, each cam lobe is slightly tapered toward the front, and the lifter bores is slightly off-centre on the cam lobe. These three things are done to make the lifter turn when the cam lobe slides on it. If the lifter stops turning, the cam lobe wears on the same area of the lifter and both wears down soon thereafter. Synthetic oils are so slippery that there is less force to turn the lifter. So, theoretically, synthetic oil could cause problems for the flat tappet cams.

This information was taken from the following article:

https://www.suprechevy.com/how-to/corp-0808-worn-downengines/ Flat-Tap-pet Cams and Worn Down Engines - The Perfect Storm. Brad Penn (now called DRIVEN) Grade 1 20W50 1350 ppm ZDDP Castrol GTX Classic Full Synthetic 20W50 1300 ppm of ZDDP Valvoline VR1 Racing 20W50 The Valvoline VR1 Racing and other racing oils not intended for passenger vehicles. Information taken from: https://www.valvoline.com/about-us/faq/racing-oil-faq.

Let's look at Shell Rotella synthetic blend 10W40 diesel.

The ZDDP that is generally used in diesel formulas is Primary ZDDP. This activates at higher temperatures since a diesel engine runs predominantly at operating temperature. The ZDDP in gasoline engine oil has Primary ZDDP for higher temperatures and Secondary ZDDP which activates at lower temperatures. Diesel engine oil has more additives per volume. The most

prevalent are over base detergent additives. These additives have several jobs, but the main ones are to neutralize acids and clean. Diesel engines create a great deal more soot and combustion byproducts. Through blow-by, these find their way into the crankcase, forcing the oil to deal with them. When you put this extra additive load in a gasoline engine, the effects can be devastating to performance. The detergent will work as it is designed and try to clean the cylinder walls. This can have an adverse effect on the seal between the rings and liner, resulting in lost compression and efficiency. This information was taken from Comparing Gasoline and Diesel Engine Oils by Jeremy Wright.

Lucas Hot Rod and Classic Engine Oil 20W50.

Does my vehicle require API standard oil? Each vehicle manufactured for passenger car use comes with the owner's manual telling you what API oil you should use.

On each Lucas oil bottle on the back label, bottom right corner is a large red warning label. "NOT RECOMMENDED FOR USE IN PASSENGER CARS WITH CATALYTIC CONVERTERS REQUIRING API SERVICE OILS." On the Lucas website.

Not recommended for passenger car use. I think they make it very clear.

Royal Purple HPS 20W50

When you look at the rear label in the top right corner you will see ACEA E9-16.

The European Automobile Manufacturers' Association (or Association des Constructeurs Européens d'Automo-biles in French, hence the ACEA abbreviation) is an organization that represents the 15 most important Europe-a motor vehicle manufacturers. It's the successor of CCMC (Comité des Constructeurs du Marché Commun). According to their statement, ACEA is an advocate for the automobile industry in Europe, representing manu-facturers of passenger cars, vans, trucks and buses with production sites in the EU.

This is Europe's equivalent of API. Engine oils in this category are heavy-duty oils. Based on their properties, they are further classified into.

E stands for category, 9 stands for type - diesel, 16 stands for year it came into production. E9 engine oils are de-signed for Euro 4, Euro 5, and Euro 6 emission diesel engines. It is suitable both for engines with and without the diesel particulate filter.

Other factors relating to engine oils that are import are:

Total Base Number (TBN) Total Base Number (TBN) is the measurement of a lubricant's reserve alkalinity, which aids in the control of acids formed during the combustion process. The higher an engine oil's TBN, the more effective it is in suspending wear-causing contaminations and reducing the corrosive effect of acids over an ex-tended period of time. High Temperature/High Shear - - The High Temperature/High Shear Test measures a lubricant's viscosity under severe high temperature and shear conditions that resemble highly loaded journal bearings in fired internal combustion engines. In order to prevent bearing wear, it is important for a lubricant to maintain its protective viscosity under severe operating conditions.

CAM oil (Collector Automobile Motor Oil) is suited for all Studebaker powered vehicles including the Studebaker Avanti. Do not use the CAM oil in Avanti(s) that are equipped with catalytic converters as the zinc (ZDDP) will damage them. No Studebaker vehicle or Studebaker made Avanti(s) were factory equipped with catalytic converters.

Catalytic converters have been installed in some cars since 1970. They became mandatory by 1975 for all cars made in the USA and Canada.

Collector Automobile Motor Oil is specifically formulated for flat tappet engines.

For more in-depth information on engine oil order the book. "The Mechanics Guide to Engine Oil For Flat Tappet engines In The 21st Century." \$25.00 plus shipping. From: specialtyoils.com

Bob Zubkowski 1-403-828-7168

Email: specialityoils@gmail.com

Website: <u>www.camoils.com</u>

Facebook: https://www.facebook.com/profile.php?id=100066372138708

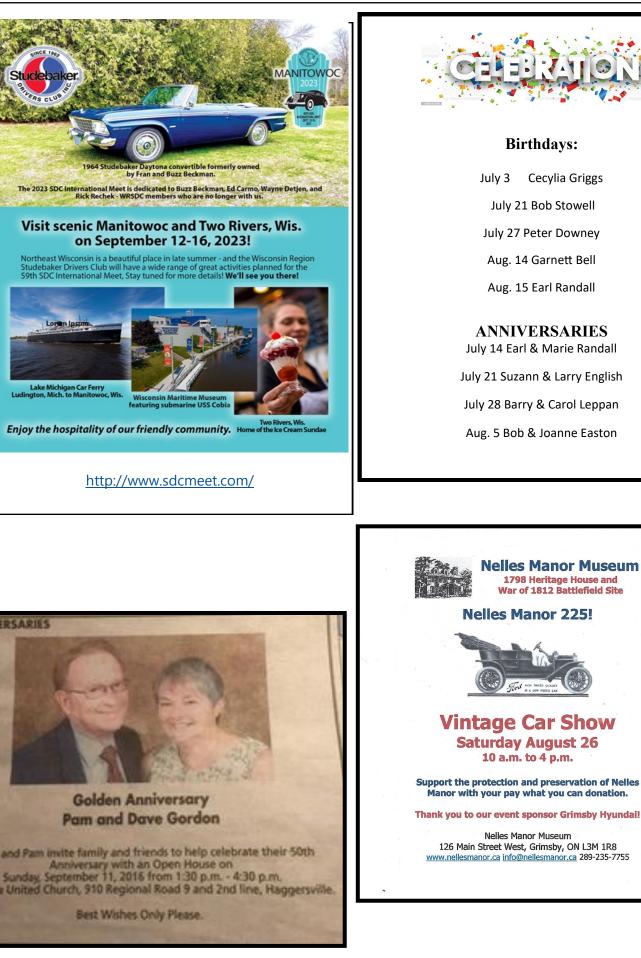
Look under Store Locations tab for dealers in the US and Canada (listed by province).

British Columbia customers, contact Chuck Douglas, email: doug108@telus.net

USA customers, contact Brian Curtis, Davenport WA Call: 1-360-312-0758

The Bullet Tin

Cecylia Griggs



Bob Cade, Gatorade and Studebaker – it was my honor to know him.

At some point I would wager every American has tasted the sports drink Gatorade. In 1965, Bob Cade, a scientist with the University of Florida, led a team trying to come up with something to slow the dehydration of the Florida Gators football team.

That began when an assistant coach with the team asked Mr. Cade if he might know anything that would help his players withstand the heat and humidity of late summer practices in Gainesville. Bob went to work and came up with the drink we all know now as Gatorade. The football team began supplying it to the players and a significant change occurred.

In their early season home games, the Gators were unbeatable in the second half. The visiting teams were not accustomed to the sub-tropical conditions and would quickly become depleted.

Before long the secret was out. Gatorade was helping the Gators win football games. The new sports drink would become standard fare on every sideline and continues to this day.

Robert Cade had to do some legal wrangling to be compensated for his work, but would eventually become a wealthy man.

There is another part to the Bob Cade story. Mr. Cade, God bless him, was a car guy! His heart was with the Studebakers, and he would soon become one of the world's most prolific collectors. On his farm near Gainesville, he had 50 or 60 restored Studebakers with perhaps that many more waiting.

I met the man when the Volusia Region of The Antique Automobile Club of America drove up to see his collection. Mr. Cade was a true gentleman in every sense of the word and provided a nice catered barbecue lunch for around 50 members of our club that attended. His only stipulation was we had to arrive with our own antique cars so he might enjoy them as we did his.

At his farm, we saw Studebakers from the 1920s up to the Avantis from the 1960s. The Studebaker company would go out of business around 1966 and, once that happened, Mr. Cade would begin buying up the new old stock parts from the dealerships.

We were amazed by the three large buildings containing parts stacked high by forklift. His parts supply alone would boggle the mind of any car guy. My very first car was a Studebaker, and I certainly did enjoy his collection, especially his fine 1963 Gran Turismo Hawk. That was a car that I had always longed for but just never managed to own.

Mr. Cade died in 2007 at 80, but his grandson has stepped in to manage his car and parts collection. He will never be forgotten for his work with Gatorade, but, to fans of the automobile, he remains an extraordinary car guy. A nice fellow who knew exactly what to do with the wealth he gained from his sports drink.

His work to help the University of Florida football team turned into a product that has helped athletes around the world replace their lost electrolytes.

Bob Cade, Gatorade and Studebaker – it was my honor to know him.

Dan Smith is on the board of directors of the Motor Racing Heritage Association and is the author of two books, "The World's Greatest Beach" and "I Swear the Snook Drowned." Email questions and comments to fishwdan@att.net or call (386) 441-7793. June 29, 2023



The Bullet Tin

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ers Club Contacts 2022		
. Dundas On. L9H 3C6		
miltonSDC@gmail.com		
/. Burlington On. L7T 1G9 Phone: 905-464-5726 il.com		
en Cres. Paris On. N3L 3T4 226-220-5275 nail.com		
e. Grimsby On. L3M 4X2 905-945-0027		
Ave. Grimsby L3M 4X2 Email: lin93@sympatico.ca		
. Burlington On. L7T 1G9 Phone: 905-464-5726 il.com		
ers Club Contacts		
r Rd., Spring Mills, PA 16875 oncord, VA 24538 r Rd., Spring Mills, PA 16875 cid 1966@verizon.net id, Columbiaville, MI 48421 k Rd., Canton, MI 48188 c (734) 634-2285 bjs66@yahoo.com oad 22, Mount Gilead, OH 43338 enturylink.net 30 Plains Rd. W. Burlington On. L7T 1G9 Phone: 905-464-5726 <u>Email:</u> <u>4@gmail.com</u>		
Hamilton Chapter SDC Membership Annual Dues: \$20.00 JanDec.		
Membership in the HAMILTON CHAPTER is open to any person who supports the purpose of the Club and is a member in good standing of the National Studebaker Drivers Club. This membership includes six bi-monthly issues of the Bullet-Tin, the chapter newsletter.		
Send completed application and your check payable to Hamilton Chapter SDC to:		
Steve Porter Membership Secretary 430 Plains Rd. W. Burlington On. L7T 1G9 Phone: 905-464-5726 Email: stephenjporter4@gmail.com Name Spouse Address City Prov Postal Code Phone Email Address New Renewal Date National S.D.C. Number Please list your Studebakers below Year Model Body Type Year Model Body Type		

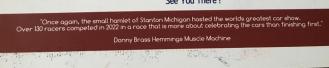




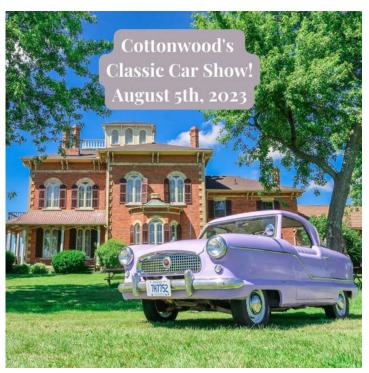


Centennial Park









Tech Tip U-JOINTS Shared from The Hawkeye Headliner- originally by Chuck Collins of Grand Canyon Chapter

Whether you know it or not, 1936-1966 Studebaker passenger cars, except for a few 1963-64 performance models, use the same U-Joint - a Spicer #5-153x. It's seldom listed in modern parts books, but it's still available. If you can find a parts store, they have your U-Joint, they just don't know it. Foreign car parts applications would be '69-80 Volvo or '68-80 Jaguar. At an off-road dealer, it would be a '41-81 Jeep, a '73-81 Blazer or a '74-81 Chevy ½ ton pickup. At a truck stop, try White truck part #57P1, Divco truck part #16364, or Mack part #65MU26. Broken down near a farm implement dealer? Use John Deere part # AN32800. If you stop on a dealership row: Fords use part #A9LY463A, Chevrolets use part #570817 and Chryslers use part #181921. If this is hard to remember, pick up or order a couple of U-Joints as spares - TRW#20049 or Spicer #5-153x and put them in your trunk.



We all know what the logo stands for - Scientifically Treated Petroleum. But did you ever wonder who designed this logo? In an article in the St Joseph News Press on June 4, 1998, a reporter stated it was the result of doodling by a pharmacist friend of one of the partners in the Chemical Compound Company, Dwight Liggett, which manufactured STP in St Joseph. Recently I came across an obituary for Bill West, which you have read about on Page 1. In his obituary it mentions that while he worked for Artcrafts Engraving, he designed the logo for the International Oil Additive Company STP. It says "they wanted something simple, that made a statement, after that the rest is history". I contacted Bill Guenther of Artcraft Engraving and he told me it was his un-

derstanding that Bill was the creator of the logo. Now, just maybe there was a doodling, but it looks like the actual design was by Bill West. Max Guenther sent me an article that appeared in the October 1977 issue of The St Joseph Magazine by Mildred Grenier entitled "STP Got in Gear in St. Joseph". Her information was gathered from an interview with one of the three partners, Bob DeHart, and was the most complete history I have seen on the beginnings of STP (Scientifically Treated Petroleum). Max took the time to contact Bill West's daughter. She told him she was pretty young when her dad did the STP logo and said it wasn't until she got older that she realized how famous the logo had become. He was proud of it and had a belt buckle with the big STP logo on it. He said "it lasted longer than any other advertising I have ever done. Wish I had bought stock in STP!" Jack Hill and C. D. Liggett acquired the rights to produce a motor oil additive that was used during World War II and manufactured by a firm in Germany. They tested the product in their own cars and were pleased with the results. They then passed out samples to their associates and received all favorable reactions. Hill and Liggett manufactured the additive mixing and canning the product in Hill's garage. To get started, they simply bought a long board and bored eight holes in it to position funnels above 16 ounce cans. Bob DeHart joined the venture in 1955, and the business became known as Chemical Compounds. They were their own canners, salesmen and distributors. In 1956 they made an upgrade to the appearance of the can and went into custom canning, done by the American Can Company in Kansas City. In order not to give their secret formula away, they would mix some of the chemical components in St. Joseph and sent them the mixture. The Studebaker Company made an offer to buy them out in 1961 which was too good to turn down. The company was moved to South Bend, Indiana two years later. The company has been through many sales and today is owned by Energizer Holdings which purchased it in November 2018.

By: Diane Crooks, Editor Kaw Valley Newsletter