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NEWS

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Toyota Expands Sequoia Line-Up with New Models and Additional Features for 2023

AUTO NEWS



FEATURES

- Ford Bronco Test Drive Review page 2
- Millennial Message from Jordan page 3
- EV Thoughts for Today and Tomorrow page 5
- Auto News Bytes "Silicon Breakup" page 5
- Mustang Roundup July Schedule..... page 10
- "Mudfest" Winners Announced page 12
- Concorso Fancy Hat Contest on Aug. 19th page 14
- Connie Peters Joins Auto News page 16
- Auto News Foundation Update page 25
- Mecum Monterey Auction Ad Back Page



2023 Toyota Sequoia at Toyota's Portland Regional Training Center located at Shoreline Community College, Seattle (photo Auto News)

Inside Toyota's T-TEN Program: Shaping the Future of Automotive Technicians

by Christopher Chung

Toyota's commitment to excellence extends beyond its renowned lineup of vehicles and into the realm of education. A shining example of this commitment is the Toyota Technician Training & Education Network (T-TEN), a comprehensive training program designed to develop factory-certified technicians for over 1,400 Toyota and Lexus dealerships across the United States.

We recently had an opportunity to connect with Ben Melcher, a Service Training Specialist with Toyota, and fellow T-TEN program graduate himself at Shoreline Community College.

"The T-TEN program offers a blend of academic instruction and hands-on dealership experience, equipping students with both theoretical knowledge and practical skills. It's a testament to Toyota's future-centric mind set as well as a great retention tool for dealerships." Said Melcher, and he was

right. While other automotive brands are seemingly not focused on training the next generation of technicians at all; Toyota is laying the groundwork to have a steady stream of quality talent who know their vehicles front to back. The curriculum covers a broad range of topics, including Toyota's hybrid systems, advanced safety technologies, and customer service principles. As a result, graduates are prepared to diagnose and repair Toyota and Lexus vehicles, as well as provide top-notch customer service.

One of the program's unique features is its integration of paid dealership experience. This allows students to apply what they've learned in a real-world environment, gain valuable experience, and build a strong foundation for their future careers.

Under Melcher's guidance, students in the Shoreline Community College T-TEN program are well-

2023 brings a new, refreshed Toyota Sequoia. The main change is in the interior of the Sequoia. It has been redefined as a luxury SUV not the same as a Lexus but most likely a better value. The short ride and drive was in a prototype model and it was the top-of-the-line Capstone model. The fit and finish were as good as any job one production model. The engine was a 3.5-liter aluminum block V-6, twin-turbocharged with water-cooled intercoolers: DOHC chain drive with duel VVT-i. HP is 437 @5,200 rpm and 583 lb.-ft @ 2,400 rpm. The

fuel recommended is eighty-seven octane, unleaded. With a 10-speed transmission, it performed great. The big news is the towing ability although we did not have a trailer to get a good feel for how well it will perform. The Capstone model comes with 22-in wheels and P265/50R22 tires. The rear suspension can be equipped with a Load-leveling rear height-controlled air suspension. Great for towing but does give the SUV a stiff ride. There is a tow technology package to help with trailer backing and (SPA) straight path assist. Now the towing capacity

is 9,280 for the 2wd and 8,980 for the four-wheel drive model. Fuel EPA tops out low 20s and combined at 24 mpg. This SUV's curb weight is around 5,890 2wd and 6,185 for the 4 wd. The great Infotainment system on this model is a 14" touch screen with a JBL Premium audio system standard on the Capstone model. The estimated cost ranges for this new SUV is around 50k to 70k not bad for this SUV of this quality compared to the rest of the pack. It may be the best value when it arrives at your local dealer.

Bert Boeckmann Automotive Icon Passes in April 2023

by Bill McCallum

Automotive Icon Bert Boeckmann passed away in April of this year. He was a friend and mentor of mine. He will be missed by all that knew him. His wife Jane passed two years earlier in April of 2021. Both Bert and Jane passed peacefully surrounded by family members. Bert was best known for creating the Galpin Auto Group (12 dealerships) including the largest Ford store in the world. Jane Boeckmann was a publisher (Valley Magazine) and also a civic leader.

Bert helped me create and start Legends of Auto, and was our first Legend (see photo) honored in 2012 at the Galpin Museum & Event Center in the Galpin Ford Complex.

Beau Boeckman, Bert's son, current President of the Galpin Auto Group was honored at our most recent Legends of Auto Event in Monterey in August of 2022.

Best wishes to the entire Boeckmann extended family on the passing of a wonderful man who I will miss very much.



Art Gould, LA Radio Talk Show Host presents Bert Boeckmann with Legend Award 2012 (photo Auto News)



Ben Melcher, a Toyota Instructor from Regional Office at Shoreline Community College (photo Auto News)

Who Will Control Automotive Software Data in the Future?



Bill McCallum
publisher

The May 1, 2023 issue of Automotive News, the trade publication, published an interesting front page story entitled “Infotainment wars: GM joins in with its CarPlay axing.” Since my editorial in our last issue was: “Is Technology Moving To Fast.” I will comment.

Personally, I have no interest in technology or connectivity, That’s why I brought Chris Chung on board over 10 years ago. He has the skills we need to move forward with connectivity, digital, and AI.

Chris has created our digital platform and will become my business partner later this year. That being said. Decades ago when Bill Gates said at a press event in Redmond, Washington “..... someday a car will be considered a computer on wheels”. I knew the eventual outcome. That fact combined with the growth of the cell phone industry and accelerated technology leads us to the question: “..... who will control the eventual revenue stream from automotive connectivity?” Tech Companies ? or Automotive Manufactures ? We are NOW at that point in Automotive History.

EV Related Stories

- Page 3 – Energy
- Page 3 – BMW EV
- Page 3 – Hummer EV
- Page 4 – Nuclear?
- Page 16 – Ford EV

Exploring the 2023 Ford Bronco Everglades Off-Road



Chris Chung
EV Specialist

The 2023 Ford Bronco Everglades is a testament to Ford’s commitment to delivering rugged, off-road ready vehicles, encapsulating the perfect blend of vintage style and modern performance. With the iconic Bronco name resurrected, the Everglades trim stands out for its robust off-road capabilities right out of the box.

Featuring an air snorkel, the Everglades trim breathes efficiently even when the air thickens with dust, snow, or water, ensuring the engine’s optimal performance. This feature becomes a game-changer in off-road conditions, reinforcing the Bronco’s go-anywhere attitude. The snorkel, combined with raised air vent plumbing for the axles, transfer case, and transmission, increases the safe wading depth from 33.5 inches to 36.4 inches. This enhancement allows the Bronco to traverse deeper waters without risking damage to vital components, thus inviting enthusiasts to conquer challenging terrains and minor floods with confidence.

In addition to these, the Everglades trim includes a heavy-duty modular Ford Performance bumper, equipped with a Zeon 10-S Warn winch and protective safari bar. Whether it’s recovering from a difficult spot or helping

continued on page 17



Spacious & Economical Toyota Highlander Hybrid



Sally Hanson
editor

When the 2023 Toyota Highlander arrived for my drive, I was glad to have the opportunity to compare my own compact SUV to the midsize version. Specifically, I was interested in the drive and park ability of a larger vehicle, additional interior space, and features in the top of the line Highlander Platinum that were not included in my 5-year-old top of the line Toyota RAV4.

The Highlander’s 2.5-liter, 4-cylinder hybrid engine with All-Wheel-Drive coupled with an electronically controlled continuously variable transmission pumps out 243 combined net horsepower including the combustion engine with 186hp at 6000rpm. With the increased net horsepower, the 35 mpg mileage of combined city/highway driving achieved in the Highlander exceeded that of my compact by 3mpg.

Toyota Highlanders’s refined drive comes from the Toyota New Global Architecture platform that provides a smooth ride with sound damping and sound

continued on page 19

Mercedes-Benz C300 4MATIC Sedan
“Iconic C-Class Gains Historic Status”



Arv Voss
feature writer

The now iconic Mercedes-Benz C Class sedan first appeared on our shores in 1993 (code-named W202). It was the company’s inaugural entry into the “compact” segment and was affectionately dubbed by many as the “Baby Benz”. It replaced the Mercedes 190 model lineup.

Somewhat Spartan by upper echelon Mercedes model standards, the C-Class has now gained legendary historic status and has progressed to what might well be thought of as more on the order of a Mini-S-Class, having grown not only in stature, but in the level of opulence and technology as well.

EXTERIOR DESIGN ADVANCES:

In a view of the side, the skillfully sculpted surfaces serve up delicate light effects, and while the designers reduced lines to a minimum, emphasizing the shoulder line even more. Additional features generating the car’s sporty appearance include the wide track width and the flush 18- and 19-inch alloy wheels in striking modern designs.

The familiar radiator grille characterizes the front with all models

continued on page 6

Tough and Ready Subaru Crosstrek All-New for 2024



Keith Turner
writer

Keith Turner, Grandpa on the Go
My daughter turns 30 this year, which means she has successfully transitioned through being a child to a teenager to a young adult to now being a grown-up woman.

It also means that I am, officially, old.

Throughout her years of driving on this planet, Marissa has steadfastly been a Subaru owner. She’s such a fan that whenever I get a Subaru to review, I am required to let her have a look at it. When it comes to driving a Subaru, she’s the expert.

Needless to say, she impressed with the 2024 Subaru Crosstrek. It’s a small and spunky 4-door hatchback with all of Subaru’s legendary weather-warrior, road-handling dynamics. In fact, in the upper foothills of Northern California, Subarus are nearly required if you want to go anywhere and do anything during the winter.

Now in its 12th year, the third generation Crosstrek has gone through a total makeover, featuring a redesigned exterior and interior, giving it more of

continued on page 20

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California Events Prove U.S. Needs an Energy Solution Now



Jim Trainor
LA feature writer

Jim Bardia, renewable-energy authority, calls Governor Newsom a 'realist' in fearing grid load; says brownouts and blackouts are worse than not being able to charge EVs this weekend' Only renewable energy can provide power for EV charges without endangering the grid and dirtying the air

With Californians facing triple-digit temperatures over the Labor Day weekend, residents are confronted with difficult decisions on how to cut back on the use of electricity in order to avoid catastrophic brownouts and blackouts.

Homeowners have come to expect requests to limit the use of air conditioners, washers and dryers and other appliances during the hot summer months. But the painful irony is that now, merely one week after California announced that only electric cars and trucks may be sold in the state starting in 2035, Governor Newsom has requested that no electric vehicles (EVs) be charged over the approaching end-of-summer weekend.

Conflicting scenario Nothing

continued on page 8



2023 BMW i7 EV X Drive 60



Dave Kunz
LA feature writer

For decades, the 7 Series has been BMW's flagship sedan. Now, for the first time you can have your Bimmer flagship with pure electric power; the 2023 i7 is the new top of the growing BMW EV pyramid.

If internal combustion is still your thing, fear not. The i7 is sold right alongside the conventional gasoline-powered 7 Series. Interestingly, longtime German luxury rival Mercedes-Benz has gone the opposite direction for its top-of-the-line sedans. Last year, Mercedes brought out an all-new S-Class powered by gasoline, as well as the EQS, the latter being a unique electric-powered take on the storied big Benz sedan.

BMW's strategy may be a sound one, aside from skipping the expense of creating two different cars for the same segment. While some buyers want everyone to know they're driving an electric car (the Tesla and many of its owners come to mind), others may want to blend in a little. Aside from the badging and a few other subtleties, people who see an i7 on the road may just assume it's a all-new

continued on page 16



2024 Hummer ev SUV – First Drive



Howard Elmer
truck writer

The 2024 Hummer ev SUV is all about showcasing new technology – all-electric technology. This can be tough to do for a manufacturer because the real cutting-edge stuff is all under the skin. So, the answer to attracting attention is to put all that tech into the most eye-catching skin you have available. That's exactly what the Hummer ev SUV is; a head turning design driven by an all-electric platform supporting new revolutionary driving tech.

I recently drove this new Hummer through two days of rain in Napa Valley, CA. In some ways its similar to the H2 and H3 (both of which I drove at launch) – by that I mean the look of it. It's the obvious next generation of a family with a heritage that started 30 years ago in the deserts of the Middle East with the HMMWE (High Mobility Multipurpose Wheeled Vehicle) – the military Hummer. So, while the DNA is intact in this new Hummer the propulsion is not.

Built on the GM Ultium platform the Hummer ev SUV packages its power in a relatively

continued on page 6



Hi Readers! Happy Spring!

Do you or a friend or family member of yours complete your own auto repairs?



Jordan Williams
millennial writer

I recently read an article at autoweek.com, entitled Are Millennials More Likely than Boomers to fix Their Own Cars?, by Emmet White and I enjoyed it.

White states that, "Many Gen Z and Millennial car owners are willing to repair their own car to save a few bucks, according to a study done by consulting agency Censuswide".

This was in comparison to approximately 82% of Baby Boomers, the elder generation, who said that they prefer to use professional mechanics.

Less complicated repairs, such as replacing batteries, broken mirrors, and interior updates are the most frequent at home repairs.

Costs of car repairs have increased 23% year to year and many Millennials site professional repair costs exceeding what they can afford as the main reason why those opt for the home repair route.

White also stated it is helpful to have a trusted mechanic on hand to help with first-hand experience to "ensure fewer jobs go wrong".

continued on page 17



A Chevrolet Corvette Got Me Into Classics



Mark Smith
classic cars writer

What car cemented your love for classics? That is a question that I hear every so often and recently it was asked by another car guy at The Shop in Seattle. Great ice breaker and everyone in the hobby has an answer for that one question.

For me, it started in the late seventies with a 1955 Thunderbird. This car was the long-held object of desire for my father. It was the car that the "rich kids" had when he was younger and vowed to own a Ford Tbird before he was 40. I was there when he took the keys of his black Thunderbird.

The car quickly became part of our family life. Every year we would pull the car out from its winter storage and return it to the garage at the house. The convertible tops on these cars are heavy and difficult to raise or lower. So, for most of its life, the top remained down. The Tbird would get driven almost every day through the spring, summer, and fall.

The 1955 Ford Thunderbird was the brainchild of George

continued on page 21



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It Is Time To Revisit Nuclear Power?



Larry Weitzman
EV specialist

How do you like Joe Biden and the Democrats now? Energy costs are at record levels and the result is the worst inflation in 40 years (you can blame Jimmy Carter for that one). And it was all (inflation and the current recession) caused by Joe Biden, the green democrats and their energy policy. When you limit supply in a constant demand, prices go up. But energy demand isn't constant in a growing economy, it increases incrementally. What Joe Biden did to energy will be judged by history as perhaps the ugliest political move in the last hundred years.

Unfortunately, it was all done with the "Green Dream, (ne Nightmare)" in mind. But it wasn't obtainable at the commencement of the Biden Administration and it isn't now and probably never will be, certainly not without the advent of massive nuclear power plant construction, the cleanest and cheapest of all energy. And the transportation industry, upon which all industry and the population rely on, will always

continued on page 5

Pebble Beach Concours d' Elegance 2023



Gary Williams
LA feature writer

The Monterey Car Week, which concludes with the Pebble Beach Concours d'Elegance has come to a dramatic close for 2022 and all in attendance had a wonderful time in an exquisitely beautiful place.

This year's show included a celebration of Lincoln's 100th Anniversary and an American car, a 1932 Duesenberg J Fioni Sports Torpedo, was selected as "Best in Show"!

More than 40 classic cars from 18 countries competed for the esteemed "Best in Show" Award, but Lee R. Anderson from Naples, Florida won the esteemed, most coveted award. This special prize has not been won by an American car for nine years, since 2013.

The Concours d'Elegance is attended by people from not only all over the country, but from all over the world.

Proceeds from ticket sales and other profits raised more than 2.6 million dollars for charity which will be dispersed among 95 local charities within Monterey County. They are predicted to have a

continued on page 7

2023 McLaren Artura: The Future of Sports Cars



Harold Allen
Texas feature writer

McLaren Automobiles has relocated from New York to Coppell, landing in a brand new, 31,000 square foot headquarters. Nick Brown, McLaren of the Americas president and Wes Mays, the Mayor of Coppell, joined a group of enthusiasts with over 50 vehicles on hand to tour the company's new facility. A brief video of the history of McLaren was shown, noting that founder Bruce McLaren didn't want to continue driving other people's cars and winning races. Instead, Bruce wanted his own car and winning his own championships as both driver and manufacturer. And win he did, from Le Mans in 1966 (in the Ford GT40) to his cars taking five Can-Am championships in the late '60s and early '70s.

Regrettably, Bruce's involvement with his namesake company ended with his death, while testing a McLaren Can-Am car, in 1970. You have to believe he'd be thrilled to know what a great job has been carried out in the years since the founding of McLaren Auto-

continued on page 13



Hyperion XP-1 Supercar



Joyce Chow
entertainment editor

The Hyperion XP-1 hypercar appears like a flashback from the movie "Tron". The spaceship-inspired hypercar hugs the ground, yet ready to take flight at any moment. It has titanium body panels with solar panels and swirls of teal accents and a visual representation of hydrogen powered by hydrogen fuel cells.

Visually it's downright stunning, so are the numbers. The Hyperion Motors XP-1 goes from zero-to-60-mph in 2.2 seconds, has a top speed of 221-mph with 2038 horsepower. It recharges in 3-5 minutes with a 1000 miles plus range. It has zero emissions, NASA Technology and shoots deionized water vapor out of its tail pipe.

Build the car that you know people are gonna be excited about to get the industry thinking in this direction" towards hydrogen. "The longest range electric car isn't electric, it's hydrogen and has all the benefits of electric power with lower weight" shared Angelo Kafantaris, Co-Founder and CEO, Hyperion Companies.

continued on page 8

2023 Toyota Camry Hybrid Test Drive



Scot McCallum
"Green Car Guy"

I am an electric hybrid fan. I was excited about getting a chance to drive the all-new 2023 Toyota Camry SE Hybrid Nightshade. As an aside, I just bought my daughter a pre-owned Toyota RAV-4 Hybrid as she finishes her fourth year of college.

Back to my test drive of the 2023 Camry SE Hybrid Nightshade. The Camry Nightshade Hybrid as tested is powered with 2.5L 4-Cylinder engine with a combined net horsepower of 208 hp. Fun to drive and fast. Base MSRP of \$30,615 as tested.

The audio system features Android Auto. Apple CarPlay, and Amazon Alexa compatibility. Worth a look. Also see Show Case Reviews on page 14



The Auto Shows Continue at New Car Dealerships across the U.S. as Inventories Start To Grow in 2023

ACURA
Acura of Seattle – www.obrienautogroup.com

ASTON MARTIN
Galpin Aston Martin – www.galpin.com
Park Place Aston Martin

AUDI
Audi of Newport Beach – www.newportautocenter.com

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BUICK
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CADILLAC
Brotherton Cadillac – www.brothertoncadillac.com

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CHRYSLER
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MITSUBISHI
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PORSCHE
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Heartland Toyota – www.westhillsautoplex.com
Marysville Toyota – www.marysvilletoyota.com

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EV (Electric Vehicles) News and Strategies



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EV "Thought for the Day...and Tomorrow"

by Bill McCallum

I know I sound like a "broken record" but I have never met an EV I didn't like. But, I have continuing questions about the EV business models for OEM's and startups. Questions

FIRST: GM's decision to stop the production of the Bolt by year end. You would think that with 3 attempts at the EV market EV1, Volt, and Bolt, GM would get it right?

SECOND: Ford's decision to

match Tesla's two recent price cuts with their Mustang Mach E. How can you move to making EV's more profitable by cutting the price to the consumer?

THIRD: The government rebate program creates winners and losers. Let's keep the government out of the EV business and leave it to the automakers to develop the best plan for the future.

FINALLY: in my mind Tesla is still a "start-up" company. Maybe OEM's should monitor Tesla not follow Tesla.

Is It Time To Visit New Power Sources?

continued from page 4

need fossil fuel. It's the densest form of portable energy, denser than batteries by 50-60 times by volume and/or weight. And its replenishment (refueling time) is 10 to 100 times quicker than electricity.

And this was found out recently by a local resident who bought a new Ford F-150 Lightning, long range, all electric pickup truck. It's powered by an onboard battery. The truck was bought for all around use and that included towing a trailer. The extended range Lightning battery, has about 30 percent more capacity than your average Tesla S and about 15 percent more than your most expensive Lucid. But the extended range Ford Lightning isn't exactly inexpensive either, with a starting price of \$82,000 in base XLT trim.

Unfortunately, even though the EPA promised a range of 320 miles, Car and Driver found the real 75-mph highway range to be a measly 230 miles. And that's an extended range battery. But it gets worse. Towing range is considerably less than half that, below 100 miles (as reported here in a test by journalists that a Lightning towing a 6,000 trailer had a range of about 85 miles). And that's what our local resident found out the hard way after plunking down over \$80,000 for their Lightning. They learned it couldn't come close to meeting their everyday needs as it needed recharging when towing in less than 100 miles. And refueling

it took about an hour at the fastest Level 3 charger. With a Level 2, 30 amp, 220v home charger, a full recharge would about 20 hours. And the cost at PGE rates would be about \$60. That's a 25 cents per mile cost for energy when not towing.

Needless to say, this Ford Lightning customer traded in his new Lightning after only 700 miles on a conventional gas pickup which has no range or refueling limitations. And driving a car E/V also has huge problems when driving on long trips. One EV car driver, Alan O'Hashi, is so frustrated he is writing a book entitled "On the trail: Electric vehicle advice and anxiety." It is about his three-hour trips in a gas vehicle taking 15 hours in an EV.

The problem with EVs comes down to fundamental chemistry. Because a battery is a controlled chemical reaction and the elements used are of such low energy density, batteries are simply limited in range and refueling and will never improve significantly. It's physics and chemistry and it isn't going to change without the discovery of "Unobtainium." If anyone of my readers has a new facts or is aware of a new chemical element, please enlighten us.

And I have yet to discuss the high cost of EVs and electric pickup trucks with some Rivian and Hummer pickups costing well over \$100,000 and saddled with the same issues. They cost a lot because batteries are expensive and getting more so. Currently vehicle battery production worldwide is about 5,000,000, all using rare earth metals which the wackos won't even let us mine here in the U.S.

Inside Toyota's T-TEN Program: Shaping the Future of Automotive Technicians

continued from page 1

positioned to succeed in the rapidly evolving automotive industry. His wealth of experience and deep understanding of the industry inform his teaching, ensuring the program remains relevant and effective.

The success of the T-TEN program is evident in the caliber of its graduates, who are highly sought

after by Toyota and Lexus dealerships nationwide. These technicians are well-prepared to meet the challenges of the automotive industry, thanks to the robust training they received through the T-TEN program.

In summary, Toyota's T-TEN program is a testament to the automaker's commitment to nurturing the next generation of automotive technicians. By investing in high-quality education and hands-on training, Toyota is not only upholding its own standards of excellence but also contributing to the overall growth and development of the automotive industry.

Toyota Started the Transition to EVs Over Two Decades Ago with the Prius as a Series of Issues Slow the Transition Including:

- ★ Availability of Charging Stations
- ★ Shortage of Raw Materials for Batteries
- ★ Power Shortages Across the U.S.
- ★ Complicated Government Rebates

"Hybrids Still Seem to Be Best Solution in the Near Term Transition"

by Bill McCallum

I have to say 2022 has been an unusual year in the auto industry. From chip shortages, to supply line issues, new car dealers have faced new challenges. With record low new car inventories used vehicle price were up and customer new vehicle order lists were common. If that wasn't enough, EV transition opportunities and problems were main stream across the U.S. We also saw many family and small dealer groups selling with,

Auto Nation, Lithia, and Penske in a buying mode.

As I have said before..." I have never met an EV I didn't like" ... but most OEM EV business models faced challenges. That being said we have taken new steps to expand our EV coverage during 2023. See page 2 stories (Genesis EV by Chris Chung). See page 3 (Energy Solutions by Jim Trainor) See page 4 (EV Research by Larry Weitzman) and a (Polestar story on page 18.)

AUTO NEWS® BYTES

Breaking up with Silicon Valley, VNC Automotive asks if it's time to uncouple?

There comes a time in many relationships where you question your onward compatibility. Both parties rushed in, carried away by the moment, with little regard for the future. There was a great connection after all. But a great connection by itself, as we know, is not a good predictor of long-term success. When our goals and visions for the future do not align, or are opposed, then we face the sobering decision: do we stay together or breakup? This is the decision facing automakers right now as they reflect on the once heady days of their relationship with Silicon Valley.

Automakers offer their customers a plethora of both interior and exterior options for their vehicles which allow drivers to customise them to their own exacting specifications. These customisations can range from optional driver assistance aids to the colour of the leather stitching, but when it comes to the infotainment system, automakers have in recent history been wedded: Android Auto and Apple CarPlay.

With Android and IOS both dominating the mobile operating systems' market share globally[1], it's understandable that the majority of OEMs want to offer their customers a similar experience and interface to that of their beloved smartphones, allowing drivers to seamlessly mirror their smartphones to the in-vehicle screen.

However, the automotive titan General Motors has recently announced its plans to step away from these two incredibly popular Silicon Valley protocols and phone mirroring in general in its future electric vehicles, instead favouring their own holistically integrated software solution.

Tom Blackie, CEO, VNC Automotive says, "I've long believed the vehicle OEMs are grudgingly deploying Android Auto and CarPlay in the absence of anything better. Or that they are at least perceived to be an easy option with negligible cost to the automaker".

"However, the OEMs are now painfully aware that they are seeding real estate to Apple and Google who are defining the user experience and policing which apps can and can't be used in the vehicle, whilst also gathering vast amounts of data from individuals and the vehicles", continues Blackie.

Android Auto and CarPlay are widely favored by consumers, with 79% of car buyers only ever considering purchasing a vehicle that's CarPlay capable[2], meaning the OEM's own operating system, applications and features are often overlooked. Their ability to control and curate the in-vehicle experience is therefore limited and they ultimately miss out on potential monetisation opportunities of their own.

Not to mention their reputations are on the line if something goes wrong with these systems, as the OEM has little to no ability to fix the issue until Apple or Google release a software update. Hence, it's totally understandable that the likes of General Motors are looking to remove themselves from this situation. But is it a mistake to completely disregard phone mirroring protocols?

Blackie continues, "although not necessarily Android Auto and CarPlay, phone mirroring technology shouldn't be completely shunned, but rather the OEMs should look to implement systems that they can fully control - with the ability to tightly integrate with the vehicle systems, enabling car data to be shared with the OEMs proprietary applications, and to allow control of how that data is used and shared between the end user, vehicle and OEM."

Solutions such as VNC Automotive's Cobalt Link+ can provide OEMs with total control over how phones can be integrated into an overall vehicle system by providing instantaneous, safe and secure access to smartphone, tablet and other personal device content from the desired vehicle screen.

Due to the popularity of these Silicon Valley owned systems, Blackie advises automakers to consider a phased approach to rolling out their own infotainment solution. "Any such transition would likely need to be a gradual shift to avoid alienating their customer base, whose smartphones are central to daily life."

"By this, I mean the OEM should run their own solution in parallel with Android Auto and CarPlay. Only when users really experience the benefits offered by the automakers will they be naturally drawn to it and then, and only then, should the OEM remove Android Auto and CarPlay if they want to avoid upsetting their customers".

"In summary I'd agree with General Motors's objectives, but question total removal of phone mirroring technology. When they do head off down the path of removing Android Auto and CarPlay my strong recommendation would be to run parallel systems and only remove Android Auto and CarPlay when the end users love their alternative solution", concludes Blackie.

So, perhaps we could call this a "conscious uncoupling". Does anybody know a good mediator?

2024 Hummer ev SUV "First Drive"

continued from page 3

small space: using a 20-module, double-stacked battery pack, consisting of two layers of ten modules. It can deliver up to 830 hp and up to 11,500 lb-ft of torque. Off the line its capable of hitting 0-60-mph (0-97km/h) in approximately 3.5-seconds. It even has an integrated launch control and, as I found out, it will stick you to your seat and peel your eyelids back.

The other reason it gets this type of acceleration is that it is fitted with three electric motors which send power to each wheel. It has

a very low-center of gravity, and weight is evenly distributed front to back. Frankly, it just hunkers down and hooks up on acceleration – there is virtually no wheel spin.

Now, this Ultium platform is more than just a housing for the battery pack. GM describes it like this:

“The HUMMER EV’s body protects the battery, while the battery supports the structure. That means the battery pack itself is a structural element, which enables a truly open-air experience and a rare combination of extreme off-road capability and smooth

on-road performance in a body-frame integral platform.”

In other words, the battery is part of the frame. This strength and rigidity of the floor helps reduce twisting and deformation, while also providing the stiffness. In the case of the Hummer ev it makes it possible to build it with removable Sky Panels and I-Bar – a convertible of sorts.

However, it is also obvious at this point that this Ultium platform can (and will) support other GM bodies – like the coming all-electric pickup trucks. This

continued on page 7

Chris Chung Reports on Lucid Air "Next Issue"



- Single Motor, Rear-Wheel Drive; optional Dual Motor, All-Wheel Drive

- 480 HP

- 406** mile projected range

- Selection of metallic paints

- 19" Aero Range wheels standard; optional 20" Aero Life wheels

- PurLuxe leather alternative interior, Mojave theme

- DreamDrive including hardware for Level 2 functionality with over-the-air updates

Mercedes/Benz C300 Test Drive Review

continued from page 2

featuring the central tri-star logo, with the design and character of the radiator grille differing in various models. The standard exterior features decorative louver elements while the radiator grille and front bumper have chrome surrounds. The AMG Line sports the striking diamond grille with the star design in chrome.

Aft the tail lamp design delivers a unique day and night look with a two-piece design where the light functions are divided between the

side wall and deck lid. Optional or line-specific trim in the rear bumper rounds out the rear view. Several new paint finishes are now available.

SPORTY INTERIOR TOUCHES:

Moving into the cabin, the dashboard is divided into upper and lower sections: into a wing-like arrangement with new, flattened round vents similar to aircraft engine nacelles, and into an elegant trim expanse. Driver-focus adds to the sportiness: the

dashboard and central display are tilted slightly toward the driver by six degrees.

A standard 12.3-inch high-resolution display is featured in the driver area, setting it apart from traditional cockpits with classic round dials. Vehicle functions may be controlled by touchscreen. As with the dashboard, the screen is slightly tilted toward the driver. The minimalist door panel design frames both ends of the dashboard. A special seat design in the new

continued on this page



PORSCHE

C-Class utilizes layers and envelopes surfaces creating a visual sensation of lightness.

The range of available trim options showcases innovative surfaces including new interpretations of natural grain veneers in brown tones and a black, and natural grain wood veneer featuring fine inlays of genuine aluminum that follow the dashboard's contours.

The look of the screens can be individualized with three display styles (Sporty, Classic and Understated) and three modes (Navigation, Assistance, Service). predominant and the central rev counter has a dynamic design. The new C-Class is equipped with 64-color ambient lighting as standard, with an optionally available enhanced version.

POWERTRAIN:

The new C-Class sets new standards in efficiency thanks to systematic electrification and intelligent downsizing. The engine range has only four-cylinder units from the current modular FAME (Family of Modular Engines) Mercedes-Benz engine family. The engine range plays a major role in the flexibility of the international production network, with needs-based electrification.

In addition to turbo charging, the gasoline engine now has an integrated starter-generator (ISG) for intelligent assistance at low engine speeds as a mild hybrid, ensuring outstanding power delivery. The ISG uses a 48-volt onboard electrical system that allows functions such as gliding, boosting or energy recovery, and makes significant fuel savings possible. The engines start rapidly and comfortably and as a result, the start/stop function is nearly as imperceptible as the transition from gliding with the engine switched off to strong acceleration under engine power. When idling, the intelligent interaction between the ISG and the combustion engine ensures smooth running.

The power source is a 2.0-liter

continued on page 17



TRAVEL the U.S.

Time to Start Traveling "Again"

TRAVEL the WORLD

Toyota Sequoia Refreshed for 2023 Model Year

2023 brings a new, refreshed Toyota Sequoia. The main change is in the interior of the Sequoia. It has been redefined as a luxury SUV not the same as a Lexus but most likely a better value. The short ride and drive was in a prototype model and it was the top-of-the-line Capstone model. The fit and finish were as good as any job one production model. The engine was a 3.5-liter aluminum block V-6, twin-turbocharged with water-cooled intercoolers: DOHC chain drive with dual VVT-i. HP is 437 @5,200 rpm and 583 lb.-ft @ 2,400 rpm. The fuel recommended is eighty-seven octane, unleaded. With a 10-speed transmission, it performed great.

The big news is the towing ability although we did not have a trailer to get a good feel for how well it will perform. The Capstone model comes with 22-in

wheels and P265/50R22 tires. The rear suspension can be equipped with a Load-leveling rear height-controlled air suspension. Great for towing but does give the SUV a stiff ride. There is a tow technology package to help with trailer backing and (SPA) straight path assist. Now the towing capacity is 9,280 for the 2wd and 8,980 for the four-wheel drive model. Fuel EPA tops out low 20s and combined at 24 mpg. This SUV's curb weight is around 5,890 2wd and 6,185 for the 4 wd. The great Infotainment system on this model is a 14" touch screen with a JBL Premium audio system standard on the Capstone model. The estimated cost ranges for this new SUV is around 50k to 70k not bad for this SUV of this quality compared to the rest of the pack. It may be the best value when it arrives at your local dealer.

A Road Trip to Phoenix, AZ. In a 2023 Toyota Sequoia by Bill McCallum

As I have said before, the top 5 features in a "road-trip" vehicle should be comfort, power, safety, economy, and room for your gear. The 2023 Toyota Sequoia has all five. Comfort with a 3 row configuration as to seating, a 437 hp i-Force MAX twin-turbo engine, the Toyota Safety Sense 2.5 package including: pedestrian detection, lane departure alert w/ steering assist, lane tracing

assist, and road sign assist. When it comes to fuel economy the Toyota Sequoia is not a record-setter but the hybrid delivers 22 mpg on the highway and that's not bad for one of the biggest SUV's on the market. With more than enough room for gear the 2023 Toyota Sequoia 4WD Hybrid (as tested) is priced at \$73,900. Happy Motoring and have fun on your next road-trip.

Hummer Review

continued from page 6

statement also brings another thought to mind - much of the unique technology found in this Hummer is also transferable - like the Ultium platform - so in effect this Hummer is a showcase. Look to see many of these various systems migrating into other GM vehicles moving forward.

Here's a list of what's part of the Hummer:

- The Ultium platform itself is offering up to 350 miles of range per charge (GM Estimated). It is also capable of using 300kW DC fast charging. What that means is that you can get 100 miles of range from a 14-minute charge.
- The three-motor e4WD drive system - (1 motor front; 2 motor rear) is in essence a 4WD system with "virtual lockers" - even when not locked up the system using torque vectoring; constantly sending power to each wheel as needed on-road or off-road.
- New available Power Station generator2 enables 19.2kW AC charging, generator functionality (120v/25A/3kW) and ability to charge other EVs (240v/25A/6kW)
- Great degree of customization via customizable buttons on the center stack. Nearly 200 accessories will be available for Hummer EV
- With nearly 9-inch less wheel-base than HUMMER EV pickup, it gets expected best-in-class off-road proportions, with greater departure and break over angles and a tighter turning circle of only 35.4 feet with 4-Wheel Steer
- Regen on Demand, which can

slow the vehicle to a full stop without pressing the brake pedal, and feeds that energy back into the vehicle

- One-Pedal Driving and Terrain Mode. One-Pedal Driving can slow the vehicle to a full stop using the only the accelerator pedal providing very fine control. Terrain Mode uniquely integrates the this One-Pedal Driving, giving the driver precise control while off-roading and rock crawling

This Hummer ev SUV comes as either on-road trim (larger tires, less equipment) or as an off-roader - that adds several unique features. To start with, the off-road power is controlled by the CPU and available to each wheel. This Ultium drive system keeps the vehicle moving in some of the toughest driving conditions and terrain - also by using 13 inches of suspension travel (plus available 4-corner air suspension), climbing 60-percent grades (forward and reverse), scaling 18-inch verticals and fording water more than 2 feet deep.

I had a chance to go on an off-road, which had been turned into a quagmire by the rain. The Hummer ground its way through the ever-worsening ruts - dragging its belly - and coming out the other side, dirtier but still moving. And slow! That's what's surprising with this Hummer - it slowly grinds through debris and mud - it doesn't race and crash through it. I had to keep to reminding myself that I had to re-learn off-roading. Fifty years of running front engine heavy gas trucks off-road has taught me to expect a twitchy, light rear end - so momentum was king. Not so anymore - electric is simply very different.

Pebble Beach Concours d'Elegance Scheduled for August 20, 2023

continued from page 4

positive effect on 10,000 children living within the area. A win-win for all involved.

Other highlighted cars from the show include: a red 1939 Lincoln Zephyr 3 Window Coupe, a two-toned blue/gray 1937 Talbot-Lago T150C-SS Figoni & Falaschi Teardrop Coupe, a 1964 red Porsche 904 Carrera GTS Coupe, a red 1932 Alfa Romeo 8C 2300 Zagato Monza, and a blue 1955 Jaguar XKD Le Mans race car. -Red and blue seemed to be the winning colors of 2022! See you next year, Concourse!

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U.S. Needs an Energy Solution Now

continued from page 3

could dramatize the impossibility of powering an all-electric vehicle fleet more than this conflicting scenario. In short, today's electricity generation infrastructure doesn't come close to providing the power required for the onslaught of EVs being planned for in the near future. Already, during one of the most highly travelled weekends of the year, EV owners are being asked to park their vehicles until temperatures cool.

Jim Bardia, an authority on renewable energy and inventor of the 100-percent-renewable-powered EV charger, the Wind & Solar Tower, understands this dire situation more than most.

"Governor Newsom is a realist, fearing that the grid overload imposed by high air conditioning use during this heat wave can cause brownouts and blackouts of potential serious scale," Bardia says. "And suffering through a power interruption is a harsher punishment than not being able to charge EVs during Labor Day weekend."

The Governor has good reason to be apprehensive. The latest figures available show that in 2019, California experienced 25,281 power outages, 23 percent more than in the prior year. These outages victimized 28 million customers.

"As a long-time renewable energy entrepreneur, I have preached for years that the U.S. electric grid needs strengthening because it is being asked to deliver ever more energy," Bardia explains, "but the wrong fix is to spend billions of dollars to build additional power plants that will

increase pollution by burning more fossil fuels."

Bardia sees today's issue in California as proving exactly what he has been forecasting. It's the reason behind his lobbying for protecting the grid by requiring Congress to mandate that future charging facilities be totally renewable or at least partially energized by renewable sources.

Renewables are key to survival "Using more wind, solar and hydroelectric power is the key to survival of our grid and the continuation of the comfortable lives we've come to enjoy," Bardia explains. "The math behind the need for more clean power is simple. For example, the electricity used during an average 30-minute full charge of an EV at a Level-3 DC fast charger is the same amount of electricity needed to power 50 homes.

"With current federal rules calling for a high level of EV sales, it's obvious we simply don't, or won't, have the power to charge the electrics," Bardia says. "Without significant infrastructure changes, utilities will burn more fuel to power today's electric plants or build more dirty plants to try to come close to generating the amount of electricity needed. Both of these are expensive, dirty and backward solutions."

Sufficient, emission-free power for charging

But one ready solution to making sufficient power -- and emission-free power at that -- is the Wind & Solar Tower, the only generating device in the world that combines two infinitely renewable power sources -- wind and

sun. These towers are for charging when customers are away from home, and also provide the comfort of lessening range anxiety.

Since they require no connection to the conventional grid, Towers have the added benefit of being able to be placed almost anywhere for public access -- along Interstates, in the deserts or mountains, at shopping malls, office building, apartment complexes, at car dealerships or just about anywhere one would take a car or truck.

Wind & Solar Towers employ a vertical axis wind turbine (catches wind from all directions) that has a "frictionless" levitation hub. Topping the airfoil blades is a large rotating circular solar panel that is ultra-efficient because it is self-cleaning, thus eliminating dust, soil and bird droppings to maximize the solar energy reaching the cells.

These two modes of generating emission-free electricity combine for 252 kilowatts and can charge an EV at Level-4 with 380 kilowatts at 1,000 volts, demonstrating that "clean" charging does not have to compromise performance. Not only is the charging fast and powerful, but the owner of a Tower doesn't pay for electricity, thus eliminating a major cost.

"Only renewable energy can provide for EV charges without stressing the grid and dirtying the air," Bardia concludes. "Fortunately, 'clean' charging is a choice. Sooner or later, emission-free charging will become standard -- and the sooner that happens, the better for our grid and our health."

Hyperion XP-1 Hypercar Review by Joyce Chow

continued from page 4



Hyperion XP-1 hypercar at the LA Auto Show 2022 in Los Angeles (photo by Joyce Chow)



Hyperion XP-1 hypercar at the LA Auto Show 2022 in Los Angeles (photo by Joyce Chow)

INSIDE VIETNAM AUTO NEWS BYTES

by Bill McCallum

Automechanika Ho Chi Minh City 2023 explores Vietnam's automotive supply chain evolution

Vietnam is in a unique position to fast-track its electric vehicle (EV) development given its transformation in automotive manufacturing, electrification and digitalisation. In a bid to speed up the advancement nationwide, government initiatives stand to benefit the public and private sectors. The launch of the fifth edition of Automechanika Ho Chi Minh City gathered local players leading the EV supply chain formation. The show will take place from 23 to 25 June 2023 at the Saigon Exhibition and Convention Center (SECC).

In 2022, Vietnam retained its title as Southeast Asia's fastest-rising economy, with GDP increasing by eight percent, well above earlier forecasts. The 8.1 percent expansion of the manufacturing sector was the main driver in this growth, and further analytics suggest the automotive industry will be a key segment of advancement in the years ahead[1].

In fact, many international companies are turning to Vietnam as an upswing of comprehensive Free Trade Agreements and the cost-competitiveness of operating through the country. Statistics from 2022 indicate a 13.5 percent year-on-year increase in disbursed FDI, to which the manufacturing sector saw some of the biggest gains.

Therefore, as a cornerstone of the country's economy and modernisation, the Government has turned its attention to the Vietnam Electric Vehicle Industry Development Plan with the aspiration to become a leading manufacturer of EVs and related components[2].

Ms Fiona Chiew, General Manager of Messe Frankfurt (HK) Ltd, highlighted: "The growth and development of Vietnam's automotive industry show no signs of slowing down with both sales and manufacturing capabilities on the rise. The recent urbanisation of the country means its automotive industry has leapfrogged internal combustion engines straight into a heavy focus on EV development. As a result, the country has the potential to become one of the fastest ASEAN member states to take on the rising demand for EV consumption and production."

Although, more action is still needed for the country to mobilise its resources. In this view, the Government is already prioritising investment plans and tax incentives to support the competitiveness of domestic companies in the value chain and the uptake of electric two and four-wheelers amongst the growing consumer base. Vinfast is a prime case study of a Vietnamese company strategically collaborating with international brands to boost production, improve product development and quality, enhance end-user experiences, and advance its position in the global EV market.

To support local efforts, Chiew added: "As always, we will promote opportunities in the market to our local and global networks. Our launch in Hanoi with strategic partners, supporting organisations, associations and the media aimed to grow the show's awareness in Northern Vietnam. I believe it was an important opportunity to create stronger ties in the domestic market to offer up a broader overview of automotive manufacturing and EV development."

INSIDE EUROPE AUTO NEWS BYTES

by Bill McCallum

G+D presents new security chips for the connected car Giesecke+Devrient (G+D) is launching Sm@rtSIM® CX Luna 1.3M, a new range of security chips for the automotive industry.

They are based on Infineon's next generation SLI37 automotive security controller and offer a multifunction platform for eSIM applications, IoT and digital car key solutions.

The automotive industry is undergoing a major change. One of the key drivers of this transformation is the connected car. More and more vehicles are connecting to mobile networks in order to link to emergency service systems and enable extended features such as telematic services. At the same time, a driver's need for cellular connectivity for infotainment applications is increasing. Additional challenges arise from the development of autonomous driving, as this technology places high demands on the bandwidth of network connections.

For the numerous challenges of the connected car, G+D has developed Sm@rtSIM® CX Luna 1.3M – the next generation industrial and automotive grade product suite. It is based on Infineon's newest security controller SLI37, which meets the technical specifications of the automotive industry and is specifically tailored to the challenging environmental conditions of automobiles. With a faster CPU and larger memory, they enable several innovative applications for the connected car. G+D's new products based on these controllers allow automotive manufacturers to provide highly secure and high-performance mobile connections via eSIM technology. They support 5G standalone networks and cover all eSIM consumer and M2M use cases. A special DSDA add-on (Dual SIM Dual Active) is available to automotive manufacturers. This allows to equip vehicles with two eSIM modules: One for using the drivers personal subscription for infotainment services and one for the services provided by the carmaker. The DSDA add-on includes the management of both chips remotely via one central G+D's AirOn eSIM management platform, thereby simplifying their logistical processes. For example, manufacturers have the option to upload the correct network profiles "over the air" after the cars have been delivered to their target regions. Additionally, manufacturers can comply with local legal requirements more easily.

In addition to eSIM applications, Sm@rtSIM® CX Luna 1.3M can also be used for digital car key solutions. In this case the new series acts as an embedded secure element eSE – a special chip for storing encryption keys for secure communication between the vehicle, mobile devices and a dedicated back end. The chip thus enables user-friendly solutions for unlocking and starting a vehicle and protects the communication of the vehicle against attacks by hackers.

Hyperion XP-1 Hypercar Review

continued from page 4

"I saw that battery electric vehicles were becoming popular ten years ago, I said there's an opportunity here for hydrogen to finally be the future of fuel that we've always known it to be". Build it and they will come, but it's not just the car, it's the infrastructure.

One of the biggest challenges with expanding the EV market has been infrastructure. Hyperion developed a mobile station to show how hydrogen infrastructure could be created with a network cross country thus solving the

Auto News Introduces All-New QR Code





Around the Track – Racing News



Pennzoil Motorsports 2022 Year in Review

2022 brought Pennzoil another exhilarating season in motorsports, with the help of teams and drivers across different divisions including NASCAR, INDYCAR, Formula 1, and Formula Drift. Pennzoil works closely with its motorsport partners to make sure their vehicles are the top-performing in their respective series. With the success that Pennzoil has generated through its involvement in motorsports over the years, they are continuing to take the knowledge from the track to develop products for the road.

This year Pennzoil hosted the 5th annual Pennzoil 400 presented by Jiffy Lube at Las Vegas Motor Speedway, expanded their collaboration with INDYCAR, and much more! Keep reading to check out how Pennzoil powered these athletes to the finish line.

FORMULA 1

This year commemorated the 75th anniversary of Ferrari and Pennzoil is a proud partner and collaborator of its Formula 1 team, Scuderia Ferrari.

In 2022, Charles Leclerc took home the title at the Bahrain Grand Prix, Australian Grand Prix, and Austrian Grand Prix. His teammate Carlos Sainz won his first-ever F1 race at the 2022 British Grand Prix.

Pennzoil also put the teammates and friends to the test by playing a game of "Trust or Dare" to see just how much they trust each other both on and off the track.

NASCAR

Joey Logano, driver of the No. 22 Shell Pennzoil Ford Mustang, brought his hashtag #The22in22 to life by claiming the title of NASCAR Series Cup Champion for the second time in his career! Throughout the season he dominated the track and secured wins at The Clash, Darlington, Gateway, and Las Vegas races and scored eleven top 5 and seventeen top 10 finishes. Logano also extended his Team Penske contract this year; the long-term contract extension will keep him in the No. 22 car for years to come. Pennzoil is proud to deliver top engine performance to such an elite competitor.

Austin Cindric, the driver of the No. 2 Ford Mustang, kicked off his first full-time NASCAR Cup Series season driving for Team Penske with a historic win at the Daytona 500! Cindric also earned the Rookie of the Year award to top off an impressive season.

Following suit with Team Penske's wins, Ryan Blaney, driver of the No. 12 Ford Mustang placed first at the NASCAR All-Star Race at Texas Motor Speedway in May. Blaney also made the post-season playoffs, scoring twelve top 5s and seventeen top 10 finishes.

With competitive and strategic driving all season, all three Team Penske drivers made it into the NASCAR Cup Series Playoffs, a true testament to the team's winning legacy. Pennzoil serves as the "Official Supplier of Lubricants" for Team Penske.

INDYCAR

In 2022, Pennzoil extended its sponsorship as the Official Motor Oil and Lubricant Supplier of

Indianapolis Motor Speedway (IMS), INDYCAR, and the powering all cars in the NTT INDYCAR SERIES. This builds on a longtime business relationship and technical alliance, now powering all INDYCAR engines with their carbon-neutral motor oil.

Leading up to the Indianapolis 500, Pennzoil, Penske Entertainment, and Team Penske debuted a documentary about the motorsports industry's most exclusive club; INDYCAR drivers who have each won the Indianapolis 500 four times. THE CLUB provided an intimate, on-camera conversation with A.J. Foyt, Al Unser Sr., Rick Mears, and Helio Castroneves who have each won the series four times.

Scott McLaughlin, who joined Team Penske's INDYCAR driver roster in 2021 and pilots the iconic "Yellow Submarine" for the INDY 500, celebrated his first career win in February at the Firestone Grand Prix in St. Petersburg, FL.

McLaughlin also won at the 2022 Honda 200 in Mid-Ohio and then finished off the season with a win at the Portland Grand Prix. He rounded out the season with three wins, seven podiums, and ranked 4th overall for the series.

Will Power from Team Penske took home the INDYCAR NTT SERIES 2022 Championship. Power's consistency and strong performance each weekend this year earned him the points to come out on top. This year's INDYCAR season was one for the history books, with all three Team Penske drivers placing in the top four.

Will Power secured the championship title, followed closely by Josef Newgarden ranking 2nd and Scott McLaughlin ranking in 4th place.

Team Penske is the first team in history to hold both the NTT INDYCAR Series and NASCAR Championship titles, with Will Power leading the INDYCAR series in the first-place spot, and

Joey Logano leading in the first-place spot in the NASCAR series. **FORMULA DRIFT**

Chelsea DeNofa, member of Team RTR and self-proclaimed Professional Fun-Havers team also celebrated with a victory at Formula Drift Seattle in August. After taking home the victory at this race in 2021, he managed to take it back-to-back with another win this year. He finished the season in fourth place overall.

DeNofa's teammate, Adam LZ, who was signed to the team in 2022 ended his rookie season with a top 4 finish at the last Formula Drift round in Irwindale, CA. He has also previously been awarded Fan Favorite Driver in the Formula Drift series.

Federico Sceriffo, a pioneer in the drifting world as one of the first Italian drift drivers, was recruited to join Team Pennzoil this year. He races for FFF Drifting Department.

PIKES PEAK

This year, Pikes Peak International Hill Climb (PPIHC) celebrated its 100th anniversary. To celebrate the anniversary, Pennzoil brought together the top two PPHIC competitors, father and son duo, Rod Millen and Rhys Millen, to go head-to-head in the hill climb competition.

Rhys Millen won his class and finished 6th overall, with his father following closely behind, placing 3rd in his class and 8th overall.

This race marked Rhys Millen's 27th run and at age 71, Rod's exit from retirement.

Pennzoil sponsored motorsports certainly had a thrilling year! The brand is proud to provide the necessary power, protection and performance needed by some of motorsports most winning teams and cannot wait for what is to come in 2023!



Race Car

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Maricela Munoz Promoted To COO & GM at XXX Drive-In

Jose Enciso, owner and founder of the XXX ROOT BEER Drive-In in Issaquah, WA recently announced the promotion of long time employee Maricela Munoz to General Manager and COO. Maricela a single mom from Mexico arrived in the U.S. in 2004 unable to speak English. She has only had two jobs since arriving

in the U.S. and started as a busser and worked her way up ladder to a server, and eventually assistance manager at XXX Drive-In.

Maricela's story, a girl of 15 arriving from Mexico learning English on her own and a single mom with 5 children; Jennifer (18), Elizabeth (15), Esmeralda (13), Yerik (6) and Yarel (3) becoming a COO is truly an example of "hard work and dedication". Maricela said, "... I like what I do and I treat our employees like I would treat my own family with a personal touch."

A single mom becoming COO of an established business is truly an AMERICAN SUCCESS STORY and thanks to Jose Enciso for giving Maricela the opportunity.



Ford Sponsored Mustang Show Scheduled for July 13th, 14th, 15th & 16th at BCC

The 4 day Mustang Roundup & All Ford Picnic scheduled for July 13th, 14th, 15th & 16th is one of the largest car shows in the Northwest.

It features events that appeal to automotive enthusiasts both young and old. The decades old Roundup is staged at the Bellevue Community College Parking Lot and at one time was considered the largest Mustang Event in the U.S.

July 13th - (Thursday) The "Roundup" Kicks off with a Ride N Drive that includes a day at the track.

July 14th (Friday) Pony Trails - is an organized tour that starts in Bellevue, WA. and winds it's way through Puget Sound featuring various points of interest.

July 15th (Saturday) The Judged Show includes awards for both vintage Mustangs and other collector Ford categories. The judging will also be held at the Bellevue Community College event parking lot.

July 16th (Sunday) Enjoy the All-Ford Picnic and People Choice Award

Judging with Food Trucks, Celebrity Guests and more. See you at this years "Mustang Roundup."

FOR INFO CONTACT : Bill Smallwood (425) 773-0130 or bills@amisllc.com or - www.MustangsNorthwest.org

See Page 20

We urge our readers to support the HOT RODS for HEARTS Car Show

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Hope to see you at the August 6th event.



XXX 2023 CARSHOW	
Mar 26	Swedish Car Show
Apr 2	VW Show
Apr 9	Easter
Apr 16	Porsche Show
Apr 30	Spring Opener
May 7	Electric Vehicle Show
May 14	Vintage Trailer Show
May 21	BMW Show
Jun 4	Auto News Car Show
Jun 11	Fenders/Fins Car Show
Jun 18	Fenders on Front Street
Jun 24 (Sat)	Raptor Truck Show
Jun 25	Cad/LaSalle Car Show
Jul 2	Hot Rod Hall of Fame
Jul 9	Shelby/Mustang Car Show
Jul 16	Camaro Car Show
Jul 23	Rat Bastards Car Show
Jul 30	Corvette Car Show
Aug 6	GTO Legends Car Show
Aug 13	Classic Swagger Car Show
Aug 20	Classic All Chevy Show 55-72 Belairs, Camaros, Chevelles, Corvairs, Corvettes, Impalas, Trucks.
Aug 27	C-10 Trucks/Old Farm Tractors
Sep 3	Corvair Air Cooled Car Show
Sep 10	Firebird/Camaro Car Show
Sep 17	VW Fall Fling
Dec 3	Jingle Bell Cruise

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 AUTO NEWS

From Around the U.S.



Newport Car Museum A Worldwide Tourist Destination

Opened just four and a half years ago, the Newport Car Museum in Portsmouth, R.I. has become a recognized worldwide tourist destination, maturing well beyond its basic ability to draw off of visitors to the Gilded Age Mansions and other seaside attractions offered in nearby Newport. Since Covid restrictions were lifted in mid-2020, numbers of visitors have jumped exponentially, and in 2021 the Museum welcomed a record 50,000 people through its doors.

“Our hope always has been to put smiles on our visitors’ faces,” said Gunther Buerman, who with his wife Maggie Buerman opened the Museum in June of 2017, “and so far, we have been successful.”

During its relatively short life, the Museum has won numerous awards, and while once it was described as a hidden gem, it is now regularly compared to other acclaimed car museums such as Florida’s Revs Institute and California’s Petersen Automotive Museum. For 2021, it received the TripAdvisor® Travelers’ Choice award and distinction as among the Top 10% of Attractions Worldwide.

“It’s a privilege to see this col-

lection,” said recent visitor Philip Millstein (Cambridge, Mass.). “This is not an old man’s place where you come to see old cars; there’s a vitality here...the colors, the displays, the people who greet you. The Museum is not just gorgeous, it is relevant.”

Initially, the Buermans had no idea how it would fly, this idea of theirs to present as art their own private collection of rare and exotic cars. “The first challenge was securing an amazing space that we could grow into and wouldn’t be perceived as just a garage,” said Buerman, “so we acquired a former missile manufacturing facility on the campus of Raytheon Technologies.”

The 114,000 square foot building, which had to be completely gutted, re-configured and transformed into a space worthy of displaying the Buerman’s collection (then 65 strong), came with 17 acres of grounds attached, which would eventually figure prominently into the Museum’s ability to host car clubs, car shows and other special events on site, as well as offer visitors free parking for as many as 300 cars. Today, the

Museum’s displays cover 80,000 square feet—the equivalent in space of 1½ football fields, including the end zones. They comprise more than 85 cars in six Galleries—Ford/Shelby, Corvettes, World Cars, Fin Cars, American Muscle and Mopars – and a Pop-Up Porsche Exhibit. There are no barrier ropes around the cars, and enhancements to the Museum experience include specially commissioned artwork; historic videos; and an impressive collection of Mid-Century Modern furniture serving as seating. A 2,500 sq. ft. gift shop has become its own colorful gallery, offering up thousands of items curated for car lovers and others.

“The Museum is now sought out directly by those traveling to New England looking for experiences that mean something to them,” said Buerman. “Our audience is in large part car aficionados and art lovers. Some have travelled to see as many different car museums as they can in this country, and they tell us how amazed they are at what they find here. They appreciate the art gallery ambience, the beauty of the cars and the rich automotive history represented by each decade of design, starting with the early 1950s, and finishing with new models from the 21st Century.”

Steve Saleen to be the Celebrity Guest Driver at the Pacific NW Historics Vintage Races on June 30th thru July 2nd (see page 9)



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"Mudfest" Category Winners Announced:

- ★ 2023 Ford F-150 Raptor 4x4 SuperCrew
- ★ 2023 Genesis GV70 Electrified
- ★ Jeep Wrangler 4xe Rubican
- ★ 2023 Mitsubishi Outlander
- ★ 2023 Subaru Crosstrek Premium

On April 19 & 20, 2023, 22 Northwest automotive journalists gathered at the Alderbrook Inn on Hoods Canal and the Ridge Race Track in Shelton for Mudfest 2023 or better known as “The Northwest Outdoor Activity Vehicle of the Year Competition.”

Our task was to drive and test 22 brand new 2023 vehicles on both the track and an off-road course at the Ridge. The vehicles in alphabetical order were the: 2023 Acura RDX SH-AWD, 2023 BMW X7 M60i, 2023 Ford F-150 Raptor 4x4 SuperCrew (Category Winner), 2023 Genesis Electrified GV70 (Category Winner), 2023 Honda CR-V Hybrid AWD Sport Touring, 2023 Honda Pilot TrailSport AWD, 2023 Hyundai Palisade XRT AWD, 2023 Hyundai Santa Cruz, 2023 Jeep Compass Trailhawk 4x4,

2023 Jeep Wagoneer Series II 4x4, 2023 Jeep Wrangler 4xe Rubican (Category Winner), 2023 KIA Sportage X-Pro, 2023 KIA Telluride X-Pro, 2023 Lexus RX, 2023 Mazda CX-50 Meridian Edition, 2023 Mitsubishi Outlander PHEV (Category Winner), 2023 Nissan Pathfinder RockCreek, 2023 Rolls-Royce Cullinan, 2023 Subaru Crosstrek Premium (Category Winner), 2023 Toyota Sequoia TRD Pro, 2023 Toyota Tundra TRD Pro, 2023 Volkswagen Tiguan 4motion.

Thank you to all the automakers who participated in Mudfest 2023 and it was nice visiting with some old friends from OEM Manufacturers who attended this years event. And a special thanks to NWAPA (Northwest Automotive Press Association) officers and staff who organized the event.



Northwest Automotive Press Association Members at the Ridge Race Track in Shelton

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Hyperion XP1 Hypercar Review

by Joyce Chow

continued from page 8

infrastructure challenge of costs and regulations. Popularity is increasing as “big companies are realizing that you can store huge amounts of power and then take that power, put it back on the grid.”

Angelo’s background is automotive design and engineering. He sketched the first designs. The inspiration is “where hydrogen comes from—water, wind and solar and the hydrogen molecule itself. You’ll see different parts of the car that have two circles in the front and the rear exhaust and swelling ticks and that stands for the hydrogen molecule cell of two hydrogen atoms together.” The teal swooping accent elements are “because hydrogen takes green energy and it’s blue water together.”

Angelo will tell you about the extreme work and tenacity it took the past 10 years. During the first 6 years no one wanted to touch hydrogen. It’s all part of the journey and moonshot. He’s first generation American and admits to being crazy passionate striving to make his dreams come true.

2023 McLaren Artura: The Future of Sports Cars

continued from page 4

tive in 1963. At the same time the McLaren’s USA headquarters opens – with its state-of-the-art workshop and training facility – McLaren introduces its all-new Artura, arguably one of the bigger steps in the evolution of the sports car.

A strong American dealer network benefits from centrally located headquarters, and the new facility provides technical service support. In 2011 McLaren was located in a 4,500 square foot downtown New York office suite, while today the company occupies a complex some seven times that original size. With this new location you will be able to conveniently access the new McLaren offices from both DFW Airport or Love Field, both easier than Newark or JFK.

McLaren is a pioneer and continuously pushes the boundaries. In 1981 they introduced lightweight and strong carbon fiber chassis into Formula One with the McLaren MP4/1. In 1993 they designed and built the McLaren F1 road car; the company has not built a car without a carbon fiber carbon fiber chassis since then. McLaren was also the first to deliver a hybrid

hypercar, its McLaren P1.

McLaren’s new Artura has a base price of \$237,500, which may seem like a lot, but it really isn’t that much for this type of design and performance – according to Car and Driver the Artura goes from 0 to 60 mph in 3.2 sec from a rolling start. Options include technology and performance packages, special wheels and painted brake calipers; in short, there are all kinds of boxes to check, most at a substantial cost upgrade – you pay your money and you take your choice.

No question this will be a great sports car, especially in Texas; you can drive long (perhaps winding) roads forever and enjoy the extreme power and handling of this vehicle. If you get a chance to see their facility it is jam-packed with these brand-new vehicles, all of which are on their way to new customers at some point. Incredible styling complemented by great colors and beautiful interiors – notably, even the paint comes from a special vendor overseas, and the cost of the gallon of paint for this car you could buy a good used car. Every vehicle is hand-assembled at the McLaren Production (MPC) in Woking, Surrey, England.



2023 McLaren Artura (photo Harold Allen)



Diana Sullivan with 2023 Toyota Sequoia in Phoenix (photo Auto News)

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Alan (left) Scale Racing Center owner hosts slot car competition at Legends of Auto Monterey

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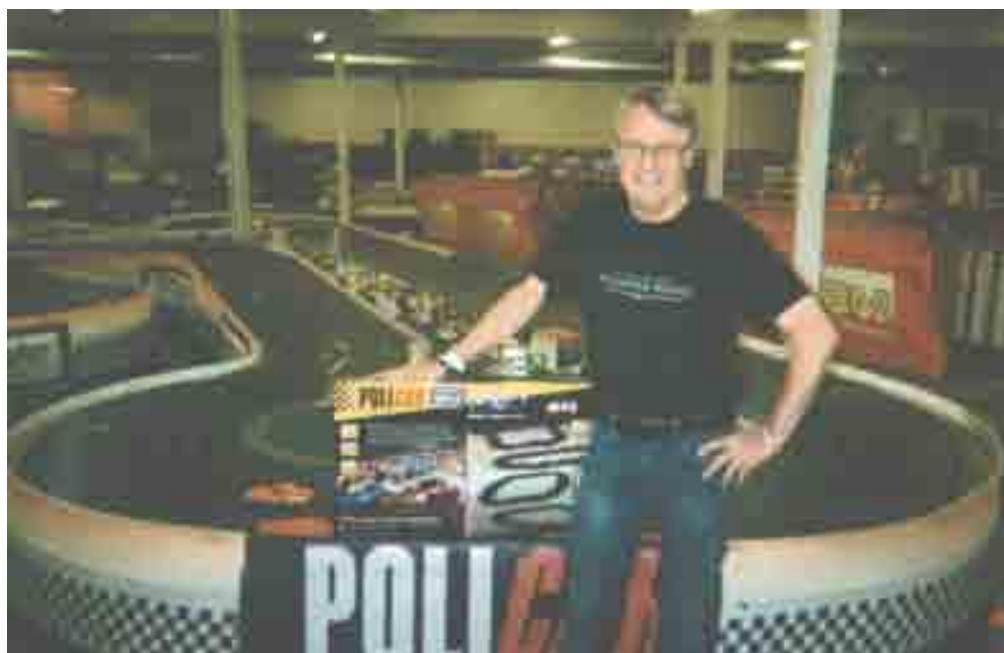
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Alan Smith, Scale Racing Center Owner Conducts Slot Car Demos at NW Race Tracks



Alan Smith, Scale Racing Center Owner, Demonstrates PoliCar Slot Car Starter Kit at his Center in Tacoma

Join the excitement - Ladies' Fancy Hat Contest at Concorso Italiano!

We hope this finds you in high spirits and with an appreciation for Italian elegance and automotive beauty. We are delighted to announce an exciting addition to this year's Concorso Italiano event that is sure to dazzle and captivate all attendees - the inaugural Ladies' Fancy Hat Contest!

Hosted by Rosso Corso - the ladies make-up and lipstick company you have come to appreciate for years at Concorso Italiano, the all new fun contest is taking place on Saturday August 19, at the lunch hour at the main stage.

This year, we aim to highlight not only the stunning cars but also the fashion and style associated with Italian heritage.

The Ladies' Fancy Hat Contest is a wonderful opportunity for you to showcase your fashion flair and compete for fabulous prizes.

Here are the details of the contest: Date: Saturday August 19, 2023 Time: Noon (lunch break time) at the Main event stage.

Whether you prefer a chic and modern design or a vintage-inspired masterpiece, we encourage you to express your personal style through an exquisite hat creation. As a participant, you will have the chance to parade your hat on the catwalk, where a panel of esteemed judges will evaluate your creativity, elegance, and overall presentation.

We have lined up an array of fantastic prizes for the winners, including Rosso Corso items selected by Konstantina. Additionally, participants will have the opportunity to gain recognition, mingle with fellow fashion enthusiasts, and enjoy the unparalleled atmosphere of Concorso Italiano.

Judging is totally subjective and it is all meant to be a fun addition to the lunch time regalia.

To register for the Ladies' Fancy Hat Contest, just be at the main stage at least 10 minutes prior and follow the instructions of the (Volunteer!) staff to parade across the stage. So don't miss out on this exclusive opportunity to showcase your exquisite taste and style.

We encourage you to spread the word among your friends, family, and fellow fashion aficionados who would be interested in participating or attending this exciting event. The more, the merrier!

We look forward to welcoming you to Concorso Italiano and witnessing the spectacle of creativity and elegance that will unfold during the Ladies' Fancy Hat Contest. Should you have any questions or require further information, please do not hesitate to contact our dedicated team at ci@concorso.com 425-742-0632

Prepare to make a stunning impression with your exceptional hat creation and revel in the ambiance of Italian automotive excellence!

SHOWCASE REVIEWS

Acura Integra A-Spec



The popular Acura Integra nameplate is back. The all-new four door hatchback is packed with power, offers a 6 speed manual, and is "fun-to-drive".

BASE PRICE: \$35,800 *
TYPE: Hatchback
ENGINE: 200 HP 1.5 liter
HORSEPOWER: 200 HP
TRANS: 6-speed Manual
MPG: 36 highway

Honda Accord Hybrid TRG



Redesigned for 2023 the Honda Accord, is larger, with added safety and convenience features. A new 12.3 inch display screen helps with "connectivity".

BASE PRICE: \$37,890 *
TYPE: Mid-size Sedan
ENGINE: 2.0 liter Direct Injection
HORSEPOWER: 192 hp
TRANS: CVT
MPG: 46 overall

Lexus NX 450h Luxury



The recently redesigned Lexus NX 450h offers a firm ride with more comfort. Safety System+ 3.0 is standard and they now offer a plug-in Hybrid.

BASE PRICE: \$56,555 *
TYPE: SUV Hybrid
ENGINE: 2.5 Liter
HORSEPOWER: 304 HP
TRANS: ECVT
MPG: 36 mpg

Mazda CX-9



The Mazda CX-9 has been a top seller for Mazda in the 3 Row SUV segment. Standard features include: i-Active AWD, power moon roof and wireless phone charger.

BASE PRICE: \$48,460 *
TYPE: 3 row SUV
ENGINE: SKYACTIVE-G 2.5 Turbo
HORSEPOWER: 227 hp
TRANS: i- active AWD
MPG: 26 highway

2024 Mazda CX 90



All-new for 2024 the CX 90 is now available for "test drives" The Mazda CX 90 is bigger and offers 11 safety features including Anti-theft engine immobilizer.

BASE PRICE: \$59,950 *
TYPE: Hatchback Sedan
ENGINE: 2.0L 4-cyl
HORSEPOWER: 340 hp
TRANS: 8 speed AT
MPG: 28 highway

Volkswagen Tiguan SEL R-Line



The Iconic VW Tiguan was redesigned in 2022 and has added Digital Cockpit, KESSY keyless entry as standard features. The Tiguan is also value priced and keeps VW in the SUV segment.

BASE PRICE: \$37,320 *
TYPE: SUV
ENGINE: 2.0 liter DOHC
HORSEPOWER: 184 hp
TRANS: 4MOTION AWD
MPG: 28 highway

* All information listed "AS TESTED"

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Car Collections



Mecum 2023 Indy Collector Car Auction Brings \$113 Million in Sales!

Nine-Day Flagship Event Sees Multimillion-dollar Individual Sales, 76% Sell-Through Rate

Mecum's annual flagship classic and collector car auction event in Indianapolis achieved more than \$100 million in overall sales for the second year in a row, and with a \$113 million total realized at this year's auction, it stands as the second-highest total ever reached in the event's 36-year history. A 76% sell-through rate was representative of the stellar offerings available and the strong crowd of bidders that the event attracted, and individual sales proved to be exceptional as well, led by main attraction offerings such as the 1970 Plymouth Cuda 440 Rapid Transit Show Car (Lot F152) and the 1970 Dodge Hemi Challenger R/T SE 'The Black Ghost' (Lot F142), which sold for \$2.2 million and \$1.07 million, respectively.

The energy in the room was palpable when the Indy auction's headlining vehicles took to the stage. After a successful promotional campaign spanning several months led by rare and historic

offerings like the auction's two leading vintage Mopar muscle car legends, bidders and spectators couldn't wait to see the live auction action surrounding the cars unfold in real time. The long-awaited moments did not disappoint, with both vehicles reaching into the seven-figure range after heated bidding and the Cuda exceeding \$2 million.

The complete list of top 10 sellers in Indianapolis proved to be an excellent reflection of the auction's overall diversity of offerings, including an array of both vintage and modern vehicles and encompassing both luxury and performance autos as well. The singular consistency among the group was their shared status as American-built machines. Two Ford GT Heritage Editions made the list—a 2020 model (Lot S216) that sold for \$1.38 million and a 2006 model (Lot S215.1) that sold for \$660,000. A pair of Corvettes made the top 10 list as well, with a 1971 Chevrolet Corvette Export ZR2 Coupe (Lot S116) bringing \$715,000 and a 1967 Chevrolet Corvette Convertible (Lot S105)

reaching \$660,000.

Private vehicle collections offered in Indianapolis sold for an aggregate of more than \$35.76 million, with top-selling assemblages including the Hustle for the Muscle No Reserve Collection that saw 61 vehicles sell for a total of \$8.66 million, and The Apex Collection, which saw 24 of its cars sell for a total of \$4.23 million. The Clyde Horst Collection of 14 cars sold in its entirety for more than \$2.04 million, and The Chris Bishop Collection of 24 cars also saw a 100% sell-through rate bringing \$2.49 million in total.

The complete top 10 collector car sales at the Indy 2023 auction include:

1. 1970 Plymouth Cuda 440 Rapid Transit Show Car (Lot F152) at \$2,200,000
2. 2020 Ford GT Heritage Edition (Lot S216) at \$1,375,000
3. 1970 Dodge Hemi Challenger R/T SE 'The Black Ghost' (Lot F142) at \$1,072,500
4. 1969 Chevrolet Camaro ZL1 (Lot S118) at \$770,000
5. 1971 Chevrolet Corvette Export ZR2 Coupe (Lot S116) at

\$715,000

6. 2006 Ford GT Heritage Edition (Lot S215.1) at \$660,000
7. 1967 Chevrolet Corvette Convertible (Lot S105) at \$660,000
8. 1931 Cadillac Series 452 V-16

Convertible Coupe (Lot S225) at \$660,000

9. 1967 Shelby GT350 Fastback (Lot S115) at \$632,500
10. 1970 Plymouth Hemi Superbird (Lot S114) at \$605,000

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1968 Chevella custom. Custom paint. 396 V8 engine. 700 R4. PG. Power four-wheel disc brakes. 17 inch wheels. You will love this car it's beautiful.

1958 Chevrolet 3100 Cameo pickup 283 Chevy V8 engine. It came with a manual three speed.

1967 Corvette roadster as nice as you'll find. You'll really enjoy driving this vette. 283 with dual carbs and four-speed.

2007 Saturn sky sports car one owner 81,000 miles five speed. It looks like brand new and it drives that way.

**WOMEN in the
AUTO WORLD**

Women in the Auto World

**WOMEN in the
AUTO WORLD**

Previously Featured: "Women in the Auto World"

Lyn St. James – Indy Race Driver
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Muffy Bennett – Car Collector
Jennifer and Abbie Biggs – Repair Shop Owner
Carolyn Jackson – VP Brand Strategy Barrett-Jackson
Monterey Touring Vehicle (MTV) Heather Gardner
Pam Nelson – Nelson Auto Group

Joyce Chow – Social Media Mogul in Hollywood
Sarah Deccio – Distribution Mgr.
Valerie Thompson – Motorcycle Racer
Ashley, Courtney & Brittany Force – Drag Racing Champions
Toyota of Marysville – Ladies at Work
Dana White – Chief Comm. Officer - Hyundai N. America
Rita Case – Rick Case Auto Group
Connie Peters – Automotive Writer

Connie Peters is New Editor of "Women in the Auto World"

Connie Peters Vancouver Canada based Auto Writer Joins Auto News



Connie Peters
writer

Connie Peters is an automotive writer and video creator based in Vancouver Canada. She has been writing about cars since 2014 and family travel, baby gear and parenting since 2008.

"I started a business in 2008 for mothers to get out of the house with events for them to experience together with their baby, and a blog with product reviews and content created solely for

new moms in the first five years of parenthood.

I began covering family cars in 2014 and have grown to love all types of cars since. In 2018 I sold Modern Mama and focused solely on social media consulting and automotive content.

I now write for several outlets in Canada and the United States.

In 2020 when the pandemic began, I started creating video content as a way to connect with others online. My video channels, mainly TikTok and Instagram with a budding YouTube channel, continue to grow with new content there daily."

Find more from Connie here:
Instagram.com/xoconniepeters
TikTok.com/@xoconniepeters
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Twitter.com/xoconniepeters



Connie Peters with her Land Rover (photo Connie Peters)

Ford Mach-E GT Test Drive by Chris Chung

In 2019, for the first time ever, the Mustang had an SUV trim. That SUV, was the Mustang Mach-E. Being an all-electric vehicle, the Mach-E features stellar performance numbers and thus its name was created as a nod to the iconic Mustang Mach 1, a high performance variant of the Mustang that was first introduced in 1969. I recently had the opportunity to test drive a 2023 Mach-E GT on loan from Bill Pierre Ford in Lake City, and I must say the performance this vehicle had absolutely blew me away.

Under the hood, the Mach-E GT features a dual-motor setup that produces a combined 459

horsepower and 612 lb-ft of torque, allowing for a 0-60 mph time of around 3.5 seconds. This impressive acceleration is complemented by a top speed of 114 mph, making the Mach-E GT a true performance vehicle that will blow the doors off of most IC cars.

The Mach-E GT also boasts a range of up to 270 miles on a single charge, making it practical for everyday use and longer trips. It supports fast charging, allowing for up to 61 miles of range in just 10 minutes of charging time. I thoroughly enjoyed the fuel savings during my week with the Mach-E.

Inside, the Mach-E GT is spa-

cious and comfortable, with a modern and high-tech cabin featuring a large touchscreen display and a variety of driver-assist and safety features. The Mach-E GT also comes with a host of standard features, including a B&O sound system, wireless charging, and heated front seats.

Overall, the 2023 Ford Mustang Mach-E GT is a compelling electric SUV that offers impressive performance, practicality, and cutting-edge technology. If you're in the market for an electric SUV that delivers a thrilling driving experience, the Mach-E GT is definitely worth considering.



Ford Mach-E GT

2023 BMW i7 X Drive

continued from page 3

7-Series powered by gasoline.

But the i7 is not. Driving all four wheels is a pair of electric motors producing a combined 536 horsepower. They're fed by a 101.7 kWh battery pack tucked under the floor. Like most every EV on the market, plentiful torque (549 lb-ft) is instantaneous. Smooth, quiet luxury.

Of course the big question with electric cars is battery range, and the i7 offers 300 miles (give or take) before needing a recharge. Like most every full electric on the market in 2023, the big BMW accepts DC quick charging at an increasing number of public outlets. BMW will include three

years of free charging via Electrify America.

If you're equally impressed with convenience and safety technology in addition to electric propulsion, the i7 will fill the bill there as well. A gorgeous interior wears a crisp user-configurable display screen right up front, and occupants are pampered with firm yet supple seats, and an amazing Bowers and Wilkins sound system. Rear seat occupants can be treated to an optional flip-down 31" theatre screen that streams Amazon Fire TV.

And yes, this all comes at a price. A steep price, of course. Like both longtime rivals and premium startups, the six-figure range is where the high-end EVs are playing these days. Base price for the 2023 i7 xDrive60 is just a tad over \$120,000 before options, which are numerous. But hey, owning a flagship has never been a low-priced proposition.



2023 BMW i7 xDrive60 (photo Dave Kunz)

2023 Ford Bronco Everglades Edition Test Drive Review

by Chris Chung

continued from page 6

another vehicle out, the winch is a valuable tool in the off-road toolbox. The interior isn't left behind either, with marine-grade vinyl seats designed for easy cleanups after adventurous days of mudding or dusty trail rides.

On the road, the Bronco Everglades offers a fun, albeit bumpy ride. It's no silent cruiser, but it's not meant to be. It's a joy to drive, even when the trails get rough. The vehicle's G.O.A.T (Goes Over Any Type of Terrain) modes, including Normal, Eco, Sport, Slippery, Sand, Mud/Ruts,

Rock Crawl, and Baja, make it adaptable to a variety of terrains. The Bronco Everglades is a vehicle that demands respect, both on and off-road, and its performance doesn't disappoint!

With a multitude of off-road-ready features, the 2023 Ford Bronco Everglades is not just another SUV. It is a capable, fun-to-drive off-roader that stays true to the Bronco heritage while pushing the boundaries of what is possible in an off-road vehicle. With the Bronco Everglades, Ford has not only resurrected an icon but has also redefined off-road adventure.



2023 Ford Bronco Everglades Off-Road (photo Chris Chung)

Hi Readers!
Happy
Spring!

Do you or a friend or family member of yours complete your own auto repairs?

continued from page 3

I can so relate to this article because my Dad and brother assist me with my car upkeep, however, they also help me with going to a trusted mechanic if ever I have a job for the pros. Thankfully, those jobs have been few and far between; thank you BMW. Happy, safe, driving, Millennials! Email me and let me know if you do your own repairs - See you next time!

jordanwms1@hotmail.com

Mercedes/ Benz C300

continued from page 6

Inline Four-cylinder turbocharged M 254 gasoline engine, featuring an integrated starter-generator with an additional output of up to 20 hp and 148 lb-ft. Horsepower is rated at 255 @5,800 rpm, while the torque measures 295 @ 2,000-3,200 rpm. 0-60 mph clicks off in 5.9 seconds and top speed is electronically limited to 130 mph. EPA: City=23 mpg/Hwy=33 mpg.

Motive force is transferred to the ground via a 9G-TRONIC nine-speed automatic transmission and advanced 4MATIC all-wheel drive system.

AS TESTED:

My test Mercedes-Benz C300 4MATIC Sedan wore an exterior finished in Starling Blue metallic, with the interior executed in AMG Neva Grey MB Tex with Finesse Anthracite wood trim Black headliner and metal weave center console. It rolled on 20-spoke silver alloy wheels shod with Goodyear Eagle F-1 225/40 R19 tires. The base price was set at \$45,550 with \$13,400 worth of optional goodies before tax and license, and a Destination price of \$1,050 for a grand total of \$60,000. before tax and license.

DRIVER ASSISTANCE AND CONVENIENCE:

The Latest MBZ C300 4MATIC sedan is loaded with state-of-the-art safety and security features and equipment that enhance the driving experience and protect the vehicle occupants. Agility Control, Active Distance Assist DISYTRONIC, Intelligent Parking system, Active Steering Assist and MBUX (Mercedes-Benz User Experience). The "Hey Mercedes" App continues to provide interaction between driver and vehicle, linking access to virtually all communication and infotainment functions.

PERFORMANCE AND OUR FINAL TAKE:

If you're in the market for a luxurious semi-compact sedan that delivers sporty handling and plush interior features and are a fan of the Tri-Star stable, the Mercedes-Benz C300 4MATIC is the ideal alternative to big brother (or sister) Mercedes S-Class lineup for a lot less money.

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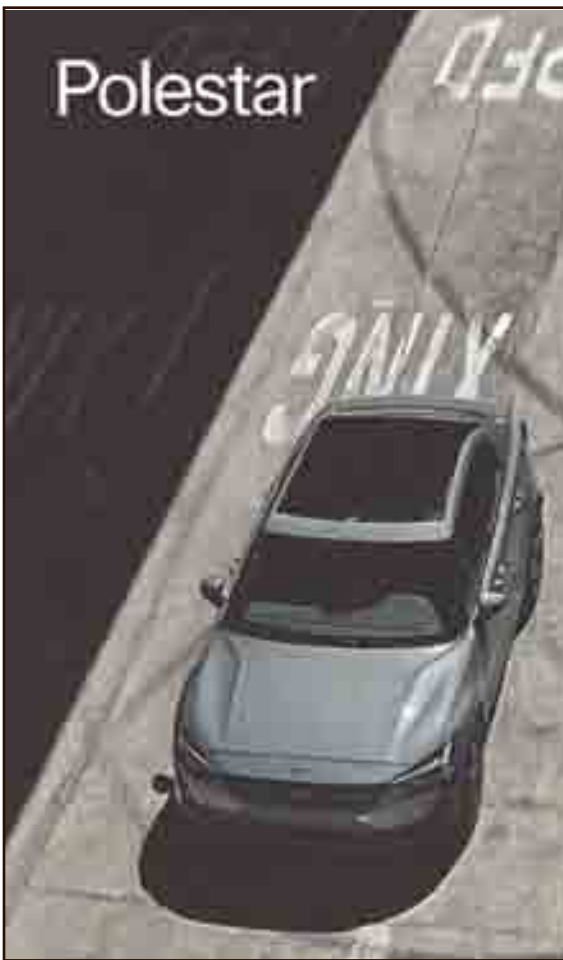
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If you would like to have the suspension settings adjusted toward your liking, we will adjust it once for you, free of charge.

Enjoy the drive, Polestar



O'Brien Auto Group Opens Polestar Showroom in Bellevue Square Mall

by Bill McCallum

When Polestar introduced their all-new EV lineup over two years ago, they picked the Northwest as a prime U.S. target area. As we reported this Spring the Swedish brand jointly owned by Volvo was working with the O'Brien Auto Group to establish Bellevue as "ground zero" for the Polestar NW launch. With the opening of the Bellevue Square Polestar showroom that goal is now a reality.

The Bellevue Square Showroom and South Center Service location is managed by Connor O'Brien an O'Brien Auto Group Executive. The Bellevue Square show room displays 3 each Polestar 2 models and the soon

to arrive Polestar 3 models. According to Connor O'Brien, manager, they are averaging 300 to 400 visitors on weekdays and over 1,000 visitors on weekends. The order list is growing and Bellevue Square has allocated 3 parking spaces for Polestar "test drive" vehicles. The Polestar 2 is priced between 50K and 70K with a 275 mile range. The Polestar 3, scheduled to arrive sometime in 2023 is priced at 85K to 100K with a 300 mile range. With a local dealer, convenient show room, and local service center, The Polestar brand is a good place to start your EV experience.

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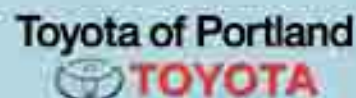
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The O'Brien Auto Group serves the N.W. with 12 Dealerships and we take in a bunch of quality trade-ins every day. Our customers are constantly trading up to a new vehicle leaving us with a tremendous selection of well-maintained, one-owner pre-owned vehicles—many still with factory warranties including Certified Pre-Owned. Stop by one of our stores or shop us online. From commuters to luxury, we've got what you're looking for!



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Overland Off Road Adventures



2023 Toyota Highlander Joins Toyota's Off Road Line-Up

continued from page 2

proofing materials that have been added to create a quiet cabin. The balanced ride and handling are all provided by the MacPherson strut front suspension with stability bar and trailing wishbone suspension. The Highlander's ride is smoother and quieter than the RAV4.

Even though the Highlander is 14 inches longer, 3 inches wider and only one inch taller than the

compact SUV, the ground clearance is very close to the same in both vehicles and I really did not feel the increased size made the Highlander hard to negotiate through traffic or parking.

The Highlander offers seating for 7 with its third row seating configuration. Seating for three in the third row is limited to those smaller in stature. With the third row of seats folded down, 48.4 cubic feet is available for cargo compared to my vehicle's 37.6

cubic feet. With the second and third rows laid flat, 84 cubic feet of cargo space appears compared to my vehicle's almost 70 cubic feet of space with the back row laid flat.

A hands-free power rear liftgate provides easy access to the cargo area. The liftgate senses the smart key-fob and opens the liftgate automatically when you kick your foot under the rear bumper.

Inside the Highlander Hybrid Platinum is a 12.3-inch multi-media display that offers turn by turn directions to your destination and safety information at a glance so you can keep eyes on the road. The system is accessible with the sound of your voice. The fully Digital cluster also accesses playlists, podcasts and entertainment options paired with the JBL audio system's surround sound for fantastic clear quality listening. A perfect back-up camera display is one part of the cluster that definitely is superior to my vehicle's depiction. The panoramic moon-roof with front power tilt/slide along with a power-retractable shade is another great feature.

The exterior of the Highlander is especially notable with LED headlights that give the front end an aggressive and dynamic look. The auto-leveling lights keep light aimed down on the road for enhanced visibility. Rounding out the Highlander Hybrid Platinum's features are 20-inch alloy wheels

which add even more style to the midsize SUV.

The Toyota Highlander Hybrid Platinum is definitely a quality midsize SUV to consider for great mileage, plenty of inside space, and numerous standard features that make driving a pleasure.



Toyota Highlander Hybrid Platinum takes a break by the Columbia River at Clover Island in Kennewick, WA (photo Sally Hanson)

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Shelby American Introduces Its Latest Generation Shelby Raptor, Its Most Polished Off Road Super Truck Ever

Shelby American, a wholly owned subsidiary of Carroll Shelby International Inc. (CSBI:PK), has announced the latest generation Shelby Ford F-150 Raptor, the most polished off-road truck ever offered by the company. The 525-horsepower truck is now available in limited quantities through official dealers nationwide.

"Shelby American and Ford Motor Company have a tremendous history of working diligently together on high performance cars and trucks for enthusiasts worldwide," said Joe Conway, CEO of Shelby American. "We're excited to continue that important legacy. The future is bright as our companies continue evolving the product line, so the public has even more choices for world-class Shelby vehicles

through Ford dealer showrooms."

The latest vehicle in the lineup builds upon Shelby American's rich legacy.

"Carroll Shelby established Shelby American in 1962 and immediately pulled ahead of every automaker, just as he did on the track while a race car driver," said Gary Patterson, president of Shelby American. "An important part of his legacy was the idea of a high-performance street legal truck, which his team pioneered in the 1980s. When Ford introduced the first F-150 Raptor in 2010, Shelby began building super trucks based on that incredible vehicle. Our latest generation achieves handling, ride and power levels no one could envision when Shelby American started on this trail."

In 2021, Ford introduced a fully redesigned F-150 Raptor that boosted its off-road capability with all-new five-link rear suspension featuring improved wheel travel and electronically controlled shocks along with upsized wheels and tires. The re-engineered running gear features extra-long trailing arms to better maintain axle position on rough terrain, a Panhard rod and 24-inch coil springs. Next-generation FOX™ Live Valve™ internal bypass shocks with state-of-the-art electronic control technology offer position-sensitive damping adjust ability.

The high output 3.5-liter EcoBoost® V6 engine delivers strong low-end torque for maximum towing and increased payload capability. The suspension design

combined with more sophisticated engine management software means the truck can put more torque to the rear wheels for quicker starts off the line, faster acceleration and better throttle responsiveness while still delivering comfort, stability, handling, control and traction at speed.

The interior was completely redesigned to elevate the owner experience with style, comfort and utility. The truck features enhanced materials, new color choices and more storage. The new Ford Shelby Raptor has standard over-the-air updates and a new connected experience that can deliver potential features like shareable digital trail maps. There is also SYNC® 4 with cloud-connected navigation and voice search and the FordPass mobile app to check on the truck remotely and more.

"The Ford F-150 Raptor and Shelby version of the truck have improved every generation," said Vince LaViolette, Shelby American Vice President of Operations and Chief Designer. "The latest Shelby Raptor boasts its best suspension system ever, giant 37-inch off-road tires on aluminum forged wheels, functional off road bumpers and LED lighting for any occasion. It makes impressive power, can stay cool in the most severe environments and look handsome while doing it."

The all-new 2021-2022 Shelby Ford F-150 Raptor delivers the rugged capabilities needed for outdoor adventure. The heavy-duty suspension and underbody were built to withstand the toughest conditions with its race-proven FOX Live Valve system. The suspension provides a smooth and comfortable feeling on pavement with aggressive control and stability at high speeds off-road.

Shelby American worked closely with partners like Fox, Ford Performance and Whipple to create its vision of the truck. Leveraging the new capabilities of the Ford Raptor, it has more power, refinement, technology and handling capabilities.

For 2021, the Shelby Raptor

features new and better handling underpinning, 75 more horsepower, an additional cooling package and an exterior with rugged all-American styling. The Shelby Raptor strikes an imposing stance with its robust bumper system, bed chase rack system carrying a pair of spare alloy 18-inch wheels wrapped in 37-inch high-performance tires, functional fresh air hood, Shelby stripes and badges. Inside, the Shelby American theme continues across the leather seats, dashboard and floor mats.

"The Shelby Raptor has every creature comfort the new F-Series truck provides," said Patterson. "And it has the capabilities to back up its bold looks. From skimming sand dunes to maneuvering the asphalt jungle, it's by far our most polished off-road truck to date."

The Shelby Ford F-150 Raptor, including the truck, start at \$124,820 MSRP. The truck is available through select Tuscan and Ford dealers in North America. Each vehicle from Shelby American has a Shelby serial number that will be documented in the official Shelby Registry. The cars come with a 3 year/36,000-mile warranty including powertrain. Individuals interested in Shelby vehicle can visit their local dealer or go to (<https://www.shelby.com>).

*Horsepower ratings based on use of 93-octane fuel

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Technology



2024 Subaru Crosstrek (photo Keith Turner)



2024 Subaru Crosstrek (photo Keith Turner)

2024 Subaru Crosstrek Test Drive Review

by Keith Turner

continued from page 2

a tough and rugged appearance with a dash of sophisticated style thrown in for good measure. The frameless hexagon grille houses compact headlights, followed by a sculptured body and broad-framed stance. Wheel arches are trimmed with black, providing a two-toned look in any of its nine exterior color combinations.

The Crosstrek's real excitement is under the hood, with the Premium and Base trims equipped with a 2.0-liter four-cylinder direct injection Boxer engine producing 152 hp and 145 lb.-ft. of torque. The Sport and Limited trims upgrade to a 2.5-liter engine for 182 hp. All levels feature Continuously Variable Transmission (CVT) with no shifting, providing smoother and quieter ride.

Estimated fuel mileage is 23 mpg in city driving, 34 mpg on the highway for a combined average of 29 mpg.

You can't talk about Subaru without focusing on the Crosstrek's ability to perform in just about any terrain or weather conditions. With an 8.7-inch ground clearance, the symmetrical all-wheel-drive system handles the hard stuff, while the driver-selectable X-Mode offers hill descent control to tackle slippery conditions on steep slopes. There's also incline assist, which keeps the vehicle from rolling while the driver prepares to pull away from a stop on a hill.

The Crosstrek's cargo area is perfect for my daughter's active lifestyle of skiing, paddle boarding and furniture moving with 54.7 cubic ft. of space with the rear seats folded flat. A large tailgate opening and standard roof-rack cross bars add to its adventure versatility.

Subaru's Starlink 11.6-inch high-definition multimedia display is available in the Crosstrek, with wireless Apple CarPlay and Android Auto, as well as controls for audio, climate and vehicle functions. The Crosstrek also comes with Subaru's updated EyeSight safety system, which can see bicycles and pedestrians at intersections, alerting the driver and, if necessary, applying the brakes to avoid collisions.

Starting price is unchanged from 2023 at \$24,995. The Premium trim starts at \$26,195 and totals out, with options and delivery, at \$29,685.

A fully functioning Subaru for under \$30k? Even my 30-year-old daughter likes that.

Check out how the Crosstrek fared at this year's Mudfest on page 1 of this issue.

For a video review of the Subaru Crosstrek, visit Carguy Drives on YouTube.

2023 MUSTANG ROUNDUP EVENTS

For more details and registration form, visit: MUSTANGSNORTHWEST.org

RIDE & DRIVE

July 13th, 2023 | Track Day at Pacific Raceways | Kent, WA | 7:00 AM - 4:00 PM
Registration is through MotorSportReg.com (see our website for direct link)

Comprehensive mandatory drivers meeting at 8:30 AM

- Limited to 60 vehicles (2.25 mile road course event)
- All vehicles must pass a technical inspection
- Snell-rated helmet (SA2015 or newer) required

\$5 Spectators
\$300 Driver Pre-registration until May 31
\$325 Driver Registration June 1-30
\$350 Driver Late Registration until July 7

Contact: Shannon Wolk, Track Director
 (206) 353-2391 (5-8 PM weekdays or weekends only please)
trackevent@mustangsnorthwest.org

PONY TRAILS 25th ANNIVERSARY!

July 14th, 2023 | Family-friendly cruise departs from Bellevue College at 10:30 AM
Check-in at 9:00 AM | Mandatory Driver's Meeting at 10:15 AM
 Enjoy lunch at Remlinger Farm's restaurant. Check out their gift shop and delicious pies & jams, while delighting in amusement rides with the young ones.

Recommended Gear: Full tank of gas, GPS (just in case you get lost), camera for all the beautiful scenery along the way!

FREE - Open to all Ford vehicles

Contact: Glenn Mayer
 (206) 354-7367
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MCA REGIONAL JUDGED SHOW

July 15th, 2023 | Bellevue College | Bellevue, WA | 8:00 AM - 4:00 PM
Only MCA Regional Judged Show on the West Coast!

- Register at www.Mustangsnorthwest.org - **NO day of show registration**
- When registering for the MCA Judged Show, entry into the People's Choice Show on Sunday is FREE. Judged cars may also enter the People's Choice Show on Sunday for \$20/pre-registration and \$25/gate.

\$45 Early registration deadline June 31
\$90 Late registration deadline July 8

Contact: Drema Cooper, Registrar
 (425) 308-7941
registration@mustangsnorthwest.org

MASTER COLLECTOR GARAGE TOUR

An Evening of Fun and Socializing
July 15th, 2023 | Location Announced at Sign-up | Bellevue, WA | 6:00 PM - 8:30 PM
 A rare opportunity to see a truly amazing collection. The collection is very eclectic, as it spans from rare cars, to vintage outboards, bicycles, beer taps, books, guitars, historical and sports memorabilia, and even a life-size Mars Rover.

- Space is limited | Light food and beverages served | **MUST R.S.V.P.**

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PEOPLE'S CHOICE SHOW & ALL FORD PICNIC

July 16th, 2023 | Bellevue College | Bellevue, WA | 9:00 AM - 5:00 PM
All Ford vehicles are welcome!

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- Trophies awarded in 50+ classes, 1st-3rd
- Food trucks, vendors and displays

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 Gates open at 8:00 AM

William Smallwood III, Show Chair
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Tires



Chevrolet Corvette Inspires Mark Smith's Love for Collector Cars

continued from page 3

Walker and Louis D Crusoe. They had a solid plan to develop the car - but no name! Crusoe offered a \$250 suit to anyone who could do better. Ford stylist Alden Giberson aced the challenge and recommended the name that the team would go with..... Thunderbird.

The car was developed in response to the Chevrolet Corvette. Although Ford had a slower start they quickly and dramatically eclipsed the sales numbers of the Corvette. Ford had a runaway hit on their hands - originally slated for a production of 10,000 units, Ford sold 16,155 Thunderbirds to Chevrolet's 674 Corvettes. Ford continued to develop and sell the two-seater

Thunderbird until 1958 when it became a four seater. These first-generation cars were the only two-seat Thunderbirds until the retro-design movement started in the early 2000s and Ford produced the "new" Thunderbird in 2002. This new design drew heavily on the old design for its source inspiration.

The 1955 Thunderbird cockpit is classic American 1950's. The leather covered over a metal dash with a speedometer with a clear, domed back, and large circular tachometer on the left side, and a clock on the right side. Reach for the key, on the left side of the steering wheel, the sporty Le Mans position and the 292 Ford Interceptor V8 kicks over

slowly, the 6-volt system and low torque starter finally getting the car to ignite. Once running, the small V8 idles very smoothly and has a delightful mellow rumble and with the exhaust exiting the bumpers mere feet from the driver provides a sound track for your adventure. The shifter is located on the floor, in front of the power-adjustable bench seat. The wheel is massive - and you will need all that leverage to turn one of these cars at low speed.

The 1955 Tbird is not a fast car, by modern standards and certain even by the standards for the days. 11.5 seconds to 60 miles per hour is economy car territory. This car is about style and design, not raw performance.

My childhood memories are filled to the brim with all kinds of antics and fun with that 1955 Thunderbird. It always solicited comments, thumbs up, and waves. You could not drive that car anywhere without having a conversation, it was really a show stopper of a design. The first-generation Thunderbird is still a

remarkable automobile. For my taste, I almost always prefer the first year of a design - especially with classics. The first year tend to be the cleanest design.

Good examples are fairly reasonable today, Ford Thunderbirds are easy to maintain and punch above the purchase price in terms of style and wow factor.



Chevrolet Corvette (photo Mark Smith)



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Pirelli Introduces Its First Replacement Tire For Electric Vehicles: The New P Zero

Comfort and Long-Lasting Performance Are The Main Features Of This EV Specific New Tire
The New P Zero All Season Plus Comes With PNCS: The Pirelli Technology Designed To Lower The Noise Inside The Vehicle

Pirelli today announced the introduction in North America of its first replacement tire developed specifically for electric vehicles: the P Zero All Season Plus with Elect marking.

The Elect marking offers a number of advantages. First and foremost is low rolling resistance, designed to increase the driving range while reducing consumption.

Compared to a non-elect P Zero All Season Plus product, the new Pirelli tire has shown a reduction of 15% of rolling resistance, which translates in a direct improvement in the battery life of the vehicle.

Another key advantage of the Elect marking is noise reduction, for ultimate comfort and to emphasize the quiet inside the cabin. In electric cars, the engine is no longer the primary source of noise, so reducing sound frequencies produced by the tires is key to increase driving comfort.

Finally, an immediate grip designed to bite into the asphalt instantly, putting the power down for a quick getaway. There is also another feature that is worth mentioning: a special structure designed to support the weight of a battery-powered vehicle.

The new P Zero All Season Plus also features the Pirelli Noise Cancelling System (PNCS): a technology designed to reduce interior vehicle noise thanks to a sound absorbing material applied to the inside circumferential wall of the tire that offers significantly improved driving comfort, a feature much appreciated by those who own electric cars.

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Daisywagen Service has served the Seattle area since 1980. Daisywagen is a family run business and Larry Dreon's daughter Candace Hopkins recently took over the company. Daisywagen is the premier independent Volvo service specialist in the Northwest. With six employees and seven service bays,

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Daisywagen is open 8 a.m. to 5 p.m. Monday through Friday. Appointment are recommended, but walk ins are welcome. All work is guaranteed for 24 months. Look for the Daisywagen Service, LLC ad in the Auto News Service Directory.

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EUROPEAN CAR AUTHORITY

European Car Authority, Inc. has been repairing and maintaining European cars since 1995. The owner/technician, Ken Seaton, is committed to ensuring that ECA customers receive quality service coupled with integrity. Ken has 30 years experience working on European cars, as well as factory training. Their four-bay shop in Redmond is equipped with the latest technology and newest generation of computerized diagnostics scanners, tools and equipment for Mercedes-Benz,

Saab, Audi, Land Rover, BMW, Porsche, VW, Mini Cooper and Volvo. The certified technicians/European Car specialists will walk you through the recommended repairs addressing all of your concerns, as well as receiving authorization before any work is started. They pledge to go that extra mile to ensure your complete satisfaction. They are open from 7 a.m. to 5 p.m. Monday - Friday and provide a morning drop-off courtesy shuttle within a five mile radius of their shop.



DOUG'S MAZDA SERVICE CENTER

Doug's Mazda Service Center is located in Lynnwood, WA and serves the entire Puget Sound Region. Scott Fausset, Doug's Mazda Service Manager says it best, ".....we want our service center to be the favorite place to have your car serviced." A new feature at Doug's Mazda Service Center is a complete video walk-around for each customer, checking the tires,

engine, and brake measurements. With 13 service bays, 8 techs, and 23 loaner cars Doug's Mazda Service Center is ready to serve your needs. Scott Fausset, Service Manager has 27 years in the business including 13 years in the tire business and 14 years working for a local Volvo family dealership. (Doug, the Mazda dealership owner is pictured above with a new 2022 Mazda 3 Turbo)

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 (See Story on Page 25)

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Auto News Foundation



Auto News Continues To Survey Community College Automotive Schools (See Page 1 Story) AS Foundation "Kick-Off" is Scheduled for Q4 Event

Legends of Auto Celebrates 10 Yr. Anniversary in 2022



(Left to Right) Bill McCallum, Auto News Publisher/Founder, Dan Brigatino, Scholarship Winner, Luk Blackwell (Pierre Ford), Steve Saleen, Jason Anucinski (Pierre Ford), Beau Boeckmann, Pat Bondurant, Barry McGuire, Lyn St. James, John Kraman (Mecum Family) and Rita Case

The Auto News Foundation Starts To Gain Momentum

by Bill McCallum

As we move forward with the formation our AUTO NEWS FOUNDATION non-profit there have been some new developments. (1)- Our first board meeting was held in Woodinville, Washington on March 9, 2023. Sally Hanson, Auto News Managing editor was appointed Sec/Treasurer, Chris Chung, Auto News COO was appointed VP and Bill McCallum, Auto News Publisher and Founder was appointed President. Additional board members will be announced Q2 - 2023. (2)- We discussed our mission statement and agreed that our student scholarship program should focus on the Community Collages and Tech Schools offering the best automotive curriculums across

the U.S. while we support those programs & schools. (3)- Before we start raising money we are working with a licensing agent to be certified in 5 states; Washington, California, Arizona Michigan, and Texas. (4)- The "official launch" of the Auto News Foundation will be on August 17, 2023 at our 11th annual Legends of Auto event in Monterey during "Pebble Beach Car Week." (see page 26) (5)- The Foundation depository will be the Bank of America (6)- We will dedicate 2 full pages to our foundation in each print edition of Global Auto News (see page 25) with additional social media coverage using www.autonewsonline.com (7)- Our next board meeting will be on June 29, 2023.

“The Glendale Community College Automotive Program is preparing the next generation of automotive technicians and will have the support of the AUTO NEWS FOUNDATION.”

GLENDALE COMMUNITY COLLEGE - GLENDALE ARIZONA: Of all the community colleges we have visited in the last three months Glendale Community College has the best automotive curriculum. Lyle Clark, program director, working with Susan Campbell Dean of Career & Technical Education have created the "poster child" of programs that all schools should follow. (see photo)

They offer three of the best automotive OEM programs in the U.S. The Automotive Service Education Program (ASEP) sponsored by General Motors and Chevrolet, GMC, Buick, & Cadillac dealerships. The Automotive Student Service Education Training program (ASSET) sponsored by Ford Motor Company and Ford and Lincoln dealerships. The Mopar College Automotive Program (MCAP) sponsored by Chrysler, Jeep, Ram, and Dodge dealerships.

With over 70 new vehicles on the ground donated by automaker OEM's as working models, a 2 person parts department with over 500 catalog pages of parts, and the equipment to work on every vehicle including EV's the Glendale Community College Automotive Program is preparing the next generation of automotive technicians and will have the support of the AUTO NEWS FOUNDATION.

Glendale Community College Offers One of the Best Automotive Programs in the U.S.



Susan Campbell, Dean of Career & Technical Education at Glendale College with Lyle Clark Director of Automotive Programs

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Auto News Foundation Board Member Sally Hanson Coordinates NWAPA Scholarship Program

by Sally Hanson

It's been 20 years since the Northwest Automotive Press Association (NWAPA) began a scholarship program that offered scholarships to college students majoring in Communications with a possibility of becoming automotive journalists. NWAPA has awarded \$76,000 to 52 students at five Oregon and Washington universities since 2003.

NWAPA is a group of writers and broadcast journalists most of whom live and work in the Northwest and many have national venues. Several of the Auto News writers are members of the organization. For over 25 years NWAPA has sponsored and organized a contest to choose the Family Sport Utility Vehicle of the year. The winning vehicle is one that best reflects all the necessary components that makes it especially compatible with our climate and topography. About 15 years ago NWAPA began another annual event called Run to the Sun. This event features roadsters and sports cars that members drive on a two-day road trip through winding roads in Oregon and Washington. A few years later we began the Drive Revolution which gives journalists a behind the wheel survey of advanced technology "green" vehicles and it gives automakers the opportunity to detail the technology around these products. NWAPA

continued on page 26

Sally Hanson's Scholarship Experience

continued from page 25

members have the opportunity to drive vehicles that provide “0” tailpipe emissions — including all electric vehicles, plug-in hybrids, and fuel cell models.

These events have provided the funding to NWAPA that make our scholarships possible. Through the scholarship program, NWAPA recognizes the importance of encouraging, promoting, and supporting the profession of journalism and communication to future generations whose career goals might lead to promoting public awareness of the automotive industry.

The first scholarship was awarded in 2003 at the University of Washington's Department of Communications. I was selected to head-up the scholarship program under the leadership of Bill McCallum, who was president of NWAPA at that time. It was the organization's goal

to expand the program to include two universities in both Washington and Oregon. In 2005 we included Washington State University's Edward R. Murrow School of Communication—which has since become the Edward R. Murrow College of Communication. A couple years later we offered a scholarship at the University of Oregon and then we added Portland State University to our program. An Oregon member of NWAPA joined me to manage the scholarship distribution in Oregon and the organization decided to include Pacific University's Department of Communications instead of the University of Oregon.

Establishing a good working relationship with the Development Coordinator in each of the University's Department or College Communications is essential. This is important because we have submitted guidelines for our scholarship to be awarded on a set

of criteria such as academic merit, financial need, and a candidate who might pursue a career in the communications field with an emphasis on automotive, consumer products and/or mechanical or technical products. Unfortunately, there has been a high turnover rate in the Development Coordinator field at universities, so I have found it necessary to re-explain the scholarship, its guidelines, and arrange the funding differently sometimes annually. Funding an endowment would eliminate the need to arrange to send off the scholarship money annually, but my suggestion to create endowments fell to deaf ears with our organization.

Seeking a recipient of our scholarship who specifically has the goal of becoming an automotive journalist is like searching for a needle in a haystack! When we asked the membership of NWAPA, we found the large majority of

the members did not major in communications in college (like I did) and no one planned to become an automotive journalist (including me). While we have awarded 52 scholarships, I have only seen a byline of one.

Another organization that I belong to has just funded an endowment at Washington State University's School of Nursing to be awarded to someone in that program who plans to become a geriatric nurse in the state of Washington. Who knows how that will turn out — the recipient may decide they don't like old people, want to move out of state and become a hermit!

I have discovered that working to award scholarships is more than finding the perfect recipient — it is tremendously fulfilling to encourage and support someone who has found a passion they can work at, enjoy and make a living.

Auto News Celebrates 40th Anniversary in 2023 With All-New Digital Platform

by Bill McCallum

When you start on a journey sometimes you have no idea when or where it will end. That's where I was 40 years ago when the idea of an auto newspaper was born. I was publishing 2 weekly newspapers at the time “Uptown News” in Bellevue WA and the Coal Creek Newcastle News to the South. Both papers had a small auto section and were growing. I wasn't a car guy but I grew up in the business with family members involved with new car dealerships. I discussed the idea of an auto newspaper with Jim Hammond, the founder of the Puget Sound Auto Dealers Association and the original organizer of the Seattle Auto Show. He said “go for it” and you can count on my support. Thus Puget Sound Auto News was born. A few years later we expanded to Eastern WA, and Oregon and changed the name of the paper to Northwest Auto News.

With California being the largest new car market in the U.S. that was the next big step in our expansion and another name change to Auto News of America.

Enter Jay Leno. I first saw Jay at a comedy club on Sunset Blvd. shortly after we started circulating our paper in LA. Jay was the “car guy” that inspired me to expand our reach to include car collectors and collector car auctions. (see back page ad) I watched Jay's first TONIGHT show and attended his last TONIGHT show in person.

Next chapter. From our launch in Calif. we build a network of over 1,000 retail automotive distribution locations in four more states. (Ariz, Nv, Id, & Mt) and changed the name of our paper to GLOBAL AUTO NEWS and launched our online program. (www.autonewsonline.com) Currently we have added a digital platform sending out e-mail “fast blasts” reaching over 500K auto enthusiasts, media & PR firms, OEM's and car collectors.

Auto News Introduces All-New QR Code




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