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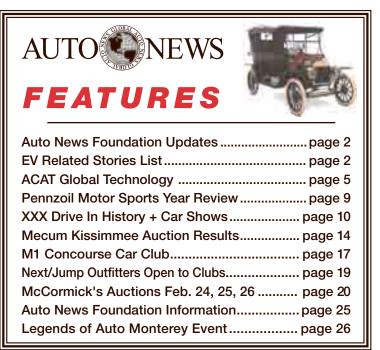
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### Auto News Reorganizes to Aid in the Transition to EVs Across the **U.S. As Its Foundation Grows**

by Bill McCallum

As we move forward with the Auto News Foundation supporting the transition from fossil fuel vehicles to electrical hybrids and eventually EV's our team will be on the "Front Line." I was there when it all started including GM's EV 1 program and the first Tesla arriving at Pebble Beach Car Week. I asked the tough questions when I was told the first Tesla Lotus powered with flash-light batteries had a record "0 to 60" rating. "How did that effect the range?" Answer: 50% reduction

cycle of the battery pack? Still No Answer. With 15 writers we will still ask the tough questions. (see page 5)

Sally Hanson, recently promoted to Managing Editor was co-chair of the NWAPA (Northwest Automotive Press Assoc.)scholarship program and with Auto News for 40 years. See page 2 story

Chris Chung, COO has been with Auto News for over 10 years while still working for a Global Digital Coding School as COO.

Please visit AUTO NEWS



2023 Lexus NX 350 F-Sport Navigates Harsh Road Conditions on Sun Valley Road Trip



2023 Lexus NX 350 F-Sport in Sun Valley Idaho in January 2023 (photo Auto News)

by Bill McCallum

It seems that the road conditions on my annual trip to Sun Valley, Idaho vary from one extreme to another. But this years 850 mile adventure from Seattle to Ketchum, Idaho (Sun Valley) was one for the books.

Water on the highway all the way from Portland, OR (I-84) to Mountain Home, ID and highway # 20 from Fairfield, ID on to Sun

Valley. The water was a result of a 50+ degree weather front following a sub-zero snow and ice storm. The 2023 Lexus NX 350 F-Sport SUV was a "game-changer" avoiding the water on the highway. With a lower center of gravity the 2023 Lexus NX F-Sport SUV offers the best steering and road stability in it's class. With a 275 HP Turbo 2.4 Liter engine mated with an 8-speed AT the All Wheel Drive 2023

Lexus NX SUV is a "best value" in the Luxury Class - \$47,465 base MSRP as tested. With a MPG rating of 28 Highway with a luxury interior and lots of room the 2023 Lexus NX 350 F-Sport is worth a "test drive".

For those technology fans the 2023 Lexus NX F-Sport SUV offers a new Interface Multimedia System with a 14" Touchscreen.

### Hyundai, Without a Doubt, has One of the Best EV Programs in the U.S. as they Gain Ground On Ford and Tesla with the Ionic 5 EV and soon to be released Ionic 6 EV



Joyce Chow with Hyundai's Ionic 5 during LA Auto Show in November 2022 (photo

Auto News - See Story on page 5)



### **Auto News** Foundation to **Offer Scholarships**



Bill McCallum publisher

As we develop a platform to raise donations for our Auto News Foundation (see page 1 story) we must be mindful of the Foundation Goals. Those being two fold, providing scholarships for a younger generation of auto workers attending Community Colleges and Tech Schools across the U.S. and helping those schools build on their list of courses offered that will aid in the transition to EV's. (see page 25 story)

There are two staff changes we are making to aid in that transition. Both Chris Chung, COO and Sally Hanson, Editor are joining the board of directors of the Auto News Foundation. (see page 1 story)

We will also be adding other key members to our Auto News Foundation Board during Q1 & Q2 of 2023.

Thank you to those supporting our Foundation and stay tuned.

> Sincerely, Bill McCallum -Publisher/Founder

### EV Related Stories

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### The All New "Electrified" **G80**



Chris Chung COO

EV's are seemingly in the news everywhere these days. From laws banning gasoline powered vehicles by 2030, to Tesla's stock price, EVs are very much a hot topic. Common names you hear associated with EV's include LUCID, Rivian, Fisker, and the like. However, Hyundai has been quickly and efficiently coming out with an EV lineup that contends with the best of them

The most recent addition to this was the 2023 "Genesis Electrified G80" an all-electric version of the luxury brand's midsize sedan. The G80 comes in one trim, that is exceptionally well equipped. Features include things such as massaging driver's seat to a full suite of advanced safety features and driving aids.

In regards to power train, the G80 boasts an AWD system powered by two motors at 365 hp and 516 lb-ft of torque. With regards to range, the G80 is able to do 282 miles per charge.

### **Driving Experience:**

Overall, I think Hyundai did a great job with the driving experience. The vehicle gripped the road better than a Tesla Model X and other EV's I've driven, the acceleration is smooth, and the brakes are great. What I was most impressed with though, was Hyundai's creative use of the regenerative braking system,

continued on page 16



### Sally Hanson Joins Auto News **Foundation Board**



Sally Hanson editor

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

### continued on page 26

### Jeep Grand Cherokee **Overland 4xe**



Arv Voss feature writer

I recently reviewed a model of the latest Jeep Grand Cherokee in Overland trim. This latest version of the Grand Cherokee is unquestionably the best looking and most technologically advanced in the model's history ever, which has long been one of the most popular and best-selling SUVs of all time. Last year marked the fifth generation Grand Cherokee with the arrival of the L model — the first three-row model, followed now by the 4xe model, the first-ever plug-in hybrid version featuring 25 miles of all electric range on a full battery charge. The 2022 Jeep Grand Cherokee has allnew architecture including a new exterior design, new interior and enhanced craftsmanship.

#### AS TESTED

The 2022 Jeep Grand Cherokee trim levels include: 4xe, Trailhawk, Overland and Summit. My test vehicle was a Grand Cherokee Overland 4xe which wore a Silver Zenith metallic exterior with a black roof and Global Black interior. The base price was set at \$65,760. Options which included

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### 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









### **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 tripledigit 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





### Audi Q4 50 & RS e-tron



Dave Kunz LA feature writer

Like a number of manufacturers, Audi is moving rapidly into the electric era with five EV models currently in its lineup. The midsize e-tron and e-tron Sportback came out a few years ago, and will be getting a few tweaks in 2023.

Audi really wowed the electric gearhead crowd last year with the e-tron GT and RS e-tron GT, essentially four-door EV supercars with lofty six-figure price tags.

This year, the German brand launched two smaller, lower-priced fraternal twins in the form of the Q4 50 e-tron and Q4 Sportback 50 e-tron. The latter, as its name suggests, offers a raked rear roofline that's been all the rage in European SUVs for some time. This distinctively styled new entry starts a tick under \$60,000 to go head-to-head with the 800-pound gorilla of the EV world these days, the Tesla Model Y.

Like most every new electric car these days, the Q4 is quick, and quiet. Once you get the "look how fast this car is" acceleration runs out of your system and start driving normally, the Sportback's

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### **2022 Chevrolet** Silverado updates and a New ZR2



Howard Elmer truck writer

The Ford Raptor has dominated the off-road truck market for more than a decade now. Then, last year Ramunveiled its 700-plus hp desert racer the TRX; aimed directly at the Raptor. Meanwhile over at the General—nothing. Till now, that is. For 2022 Chevy is adding the ZR2 off-road treatment to its Silverado. This truck is a High-Country sporting front and rear e-lockers, a special facia and the Multimatic DSSV damped shocks (already found on the mid-size Colorado ZR2). But is it a competitor for the king of the desert racers title? In short, no. It's simply not the overthe-top off-roader that the other two are. However, after driving it in California I can see the appeal and I think Chevy may have hit the

What sets a ZR2 apart from a standard Silverado is the suspension upgrades, enhanced off-road technology and body work developed for off-road performance and capability-whether desert running or rock crawling. But this off-road trait is balanced with everyday driving comfort. It also supports



### Millennial Car 1955 Ford T-Bird **Buyers - What** Cemented My Should Dealers Do? Love for Classics



Mark Smith classic cars writer

Since 2015, automakers and dealerships have come to know that Millennials are no longer waiting to make their first car purchase; they are buyers- and leading buyers.

Jordan Williams

millennial writer

What have we come to learn about Millennials? What draws them into dealerships and makes them buy?

Number one is value. However, a lower entry cost is not the only way to create enticing pricing: longer payment terms which lower monthly payments fit Millennials' budgets. Two: Service "bundles" helps rid any concerns regarding future maintenance costs (and also generate customer spending service dollars back at the dealership). Three: accessories and/or parts specials give Millennials opportunities for personalization, which they like. Four: Millennials do not respond to the marketing strategies that their parents did. Millennials live and work in the digital space. Ads and websites should be mobile adaptive and/or have a mobile strategy. Clear and easy to read website information

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,

The 1955 Ford Thunderbird was the brainchild of George

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Larry Weitzman EV specialist



LA feature writer



Texas feature writer



Joyce Chow entertainment editor



Gary Murphy LA feature writer

### It Is Time To Revisit **Nuclear Power?**

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 14

### **Legends of Auto** 2023 Scheduled for August 17th

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 Figoni 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

See ad on page 7

### **2023 Toyota Sequoia** Capstone 4x4 "Test Drive"

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 topof-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 eightyseven 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 suspen-

### from C.E.S. in Las Vegas

**Joyce Reports** 

The Ram 1500 Revolution BEV Concept was surrounded by circling gawkers, buzzing around capturing the latest eye candy with mobile phones unveiled at CES 2023 in Las Vegas.

The concept truck is stunning, downright sexy yet aggressive in a tron like futuristic look with LED lighting and an animated full LED "tuning fork" headlights and fully animated tail lamps. It is the next generation Ram truck, in it's tech forward vision, it is redefining expectations and the future of trucks. It features the latest in electronic and safety technology by Stellantis at the forefront of tech revolution in transportation with a 2038 ambitious carbon neutrality target.

Interior layouts for the Ram 1500 Revolution BEV Concept truck include the STLA frame, an industry first feature of third-row jump seats, a flexible interior allowing up to 18-ft long object with the tailgate closed, configurable and removable center console with a flat-fold surface to create a workspace or more cargo volume,

### Galpin Auto Group **Opens New So. Cal.** Porsche Dealership

I am a fourth generation Native Californian and attended high school during the mid 1950's in Southern California. Cars were the big excitement along with movies and music. People would rush to the Auto Show at the Pan Pacific Auditorium and view their next dream car. Auto dealers were scattered around various towns within Los Angeles County and existed "few and far between" compared to today. The population explosion hit and so did auto dealer growth.

No business, organization or government is any better than the character of the person at the top. When that person's creed is "If you strive to put God first, family second, business third and everything else - including yourself - somewhat after those three, vou set a tremendous example for your family, your employees and your customers", you have something special.

President Ronald Reagan once said, "When I think about what's right in America, I will always

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## The Auto Shows Continue at New Car Dealerships across the U.S. as Inventories Start To Grow in 2022



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# **EV Electrical Vehicle Sales Continue To Grow As Access To Charging Stations Can** Be A Problem

by Bill McCallum

As I have said many times before, "I have never met an EV (Electric Vehicle) I didn't like". The Hyundai Ionic 5 I have been driving during LA Auto Show week is on the top of my "...I love an EV list." Cutting edge design, smooth ride, all the latest tech "gidgets and gadgets" and more than enough room for a road-trip or vour next adventure.

Here are a few EV problems I have had to deal with in LA during Auto Show week; 1- The LA Convention Center has 14 charging stations. 7 in the West

Parking Lot and 7 in the South Parking Lot. During the two days I attended the show they were all being used. 2- My hotel near the airport has no charging stations. 3- I called a friend staying at another hotel and he said yes we have 10 charging stations at my hotel but they are all for Tesla's "Then I decided to hit the beach in Santa Monica and the parking lot had 10 charging stations but only took "Charge Brite" credit cards which you had to sign up for in advance. So as I head back to LAX tomorrow I can only hope I have enough range to get there and catch a flight back to Seattle.

### The Transition To EVs Started Two Decades Ago with Hybrids as a Series of Issues Complicate that 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

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 Digital Platform and Direct Mail To Grow Coverage Across the U.S.

While most folks have more time on their hands to read and play with their computers and cell phones during the Covid-19 crisis, we at auto news have been expanding our U.S. circulation and increasing our online reach. (www.autonewsonline.com)

A special thanks to Chris Chung our Editor for creating and launching our "Thursday Weekly Updates" and our YOUTUBE reviews using DRONES. As a result of these efforts our online traffic is up 170% and accelerating each week.

For those of you who have known me during our 35 year journey you know that I am not one for "self promotion." So Chris convinced me to submit a short BIO to LINKEDIN

Our print mailing list and on the ground distribution has also been

% OF TOTAL BY STATE LISTED BELOW:

WASHING	JΙ	U.	IN					31%
CALIFOR	ΝI	Α						25%
<b>MICHIGA</b>	N							5.7%
ARIZONA	١.							5.6%
OREGON								3.6%
<b>FLORIDA</b>								2.8%
TEXAS .								2.8%
NEVADA								2.1%
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### **AUTO NEWS®** BYTES

### ACAT Global Technology Helps Solve Catalytic Converter Issues

Catalytic converter thefts are skyrocketing, but ACAT Global's technology offers replacements that deliver real benefits for both the public and environment.

Catalytic converters have been in the news a lot lately, but not for their ability to clean emissions from internal combustion engines. Sadly, catalytic converters are making headlines due to the dramatic spike in thefts and occasional high-profile busts of thieves trafficking in stolen converters.

Catalytic converters are desired by thieves for their precious metal content, which includes platinum, palladium, and rhodium. Recently enacted state laws have made it more difficult to easily off-load catalytic converters to scrap metal buyers, so increasingly, they are being stolen and simply offered back for sale on the black market.

The need to replace a catalytic converter is an unexpected financial burden for any vehicle owner, and in recent years many have felt the sting. According to the National Insurance Crime Bureau, claims for stolen catalytic converters surged 325 percent from 2019 to 2020, and that number is set to rise dramatically when this year's figures are factored in. Carfax. com investigated service reports for catalytic converter replacements, and according to their findings, the cars most likely to be targeted nationwide include the Ford F-150, Honda Accord, Jeep Patriot, Ford Econoline, Chevy Silverado, Chevy Equinox, Honda CR-V, Toyota Camry, Chrysler 200, and Toyota Prius.

If there is any silver lining to this discouraging crime wave, it is that a stolen catalytic converter offers the victim an opportunity to upgrade. One company offering replacement catalytic converters with proven advantages is ACAT Global. The company was formed in 2010 with the acquisition of General Motors-developed catalytic converter substrate technology and related production assets from Delphi. They offer Ceramic substrate and proprietary Herringbone Pattern Metallic substrate catalytic converters for universal or direct fit installation. ACAT Global's metallic substrate catalytic converters comply with Federal standards and its technology meets California emissions compliance.

For the consumer, there are measurable benefits to installing an ACAT Global catalytic converter, including increased gas mileage, more power and less expense than factory replacement cats.

"Catalytic converter thefts have skyrocketed worldwide, which has led to environmental damage as well as an increased financial burden on consumers for replacement catalytic converters," said Joe Moch, CEO of ACAT Global. "Foreign supply chain issues and daunting OEM costs are making it difficult for consumers to install replacement units. Our 'made in USA' catalytic converters can help rectify that grim situation.

"Our metallic substrate catalytic converters are federally compliant and the technology is already available in products in many of the 'green states' today," Moch continued. "This groundbreaking tech can improve gas mileage by as much as 12 percent, which translates into huge consumer savings given current fuel prices. In addition to reducing fuel expenditures, these same catalytic converters significantly reduce emissions without sacrificing performance. Compared to standard ceramic solutions, our technology cuts emissions significantly, which will reducegreenhouse gas emissions today."

In July 2022, ACAT Global announced it would also license its revolutionary technology to automakers and other companies. With the slow pace of infrastructure development for electric vehicles, it will be many years before EVs become the majority transportation solution, meaning that catalytic converter technology like ACAT Global's will be able to continue making a significant impact on emissions reduction while providing consumers

"The cost of less effective ceramic catalytic converters typically fitted to vehicles are projected to increase up to 300 percent this year," said Moch. "Our Federal compliant metallic core technology is not subject to the same price increase. And through our licensing program, OEMs can build vehicles with better fuel efficiency while slicing emissions without increasing costs. Automakers, environmental groups and the public should embrace this opportunity to make an immediate positive impact."

Thieves may have their moments of success, but ACAT Global's catalytic converters offer the public the chance to bounce back stronger than ever.

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## 2022 Chevrolet Silverado updates and New ZR2

continued from page 3

comparable payload and trailering found in other Silverado off-road trims. ZR2 max payload is 1,440 lb and it will tow 8,900 lb.

ZR2 highlights include the fol-

- Standard 6.2L V-8 delivering 420 hp and 460 lb.-ft. of torque, mated with a 10-speed automatic transmission
- Multimatic 40mm DSSV spoolvalve dampers, which feature:
- Three separate spool valves to control damping
- Three connected chambers for
- Uniquely-tuned springs that,
- Silverado Trail Boss • Front and rear e-lockers
- Specific off-road chassis and suspension calibrations, including Terrain Mode, which allows onepedal rock crawling

with the Multimatic dampers,

increase maximum front and rear

suspension travel, compared to the

- 33-inch off-road MT tires
- Unique skid plate package
- New high-approach steel front bumper designed for off-road strength and clearance
- 31.8-degree approach angle That unique bumper has remov-

able end caps for easier replacement in the event of close encounters with rocks or other off-road objects. The dual exhaust has been lifted and ends before the rear bumper to eliminate potential damage.

In addition to its functional features, the Silverado ZR2 is distinguished by several aesthetic cues, including a new black hood insert, a unique grille with integrated lighting and a "flow-tie" emblem, ZR2 badges, unique 18-inch wheels and a unique Jet Black/Graystone leather-trimmed interior, with complementing dark trim. We welcome this new addition to the Silverado family, one that's very capable off-road, while not continued on page 8



Chevrolet ZR2 (photo Howard Elmer)

## Jeep Grand Cherokee Overland

#### continued from page 2

the Silver Zenith exterior paint, Luxury Tech Group IV, Advanced ProTech Group III, Black Painted roof and Front Passenger Interactive Display along with the Destination Charge elevated the final sticker to \$74.210.

### **PROPULSION**

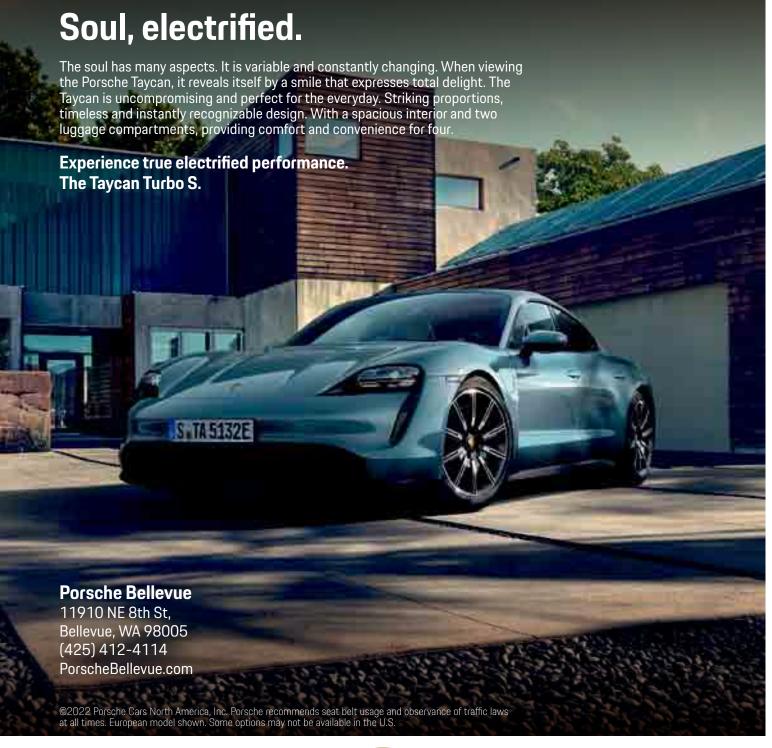
Power s generated by a 2.0-liter, DOHC, 16-valve turbocharged and inter cooled inline four cvlinder – direct injection gas engine combined with 2 AC motors, 44 and 134 hp, 39 and 181 lb-ft (combined output: 375 hp, 470 lb-ft; 14.0-kWh lithium-ion battery pack -7.2-kW onboard charger). Horsepower is rated at 270 with 295 pound feet of torque.

A high-voltage eTorque generator/motor at the front of the Grand Cherokee engine produces 44 horsepower and 39 lb-ft of torque, replacing a conventional alternator and starter motor. This motor connects to the driveshaft

and spins the engine quickly and seamlessly for smooth start/stop operation, while also generating electricity for the battery pack. A second motor / generator integrates with the automatic transmission and produces 134 horsepower and 181 lb-ft of torque. Depending on the needs of the powertrain, the gas engine can be completely disengaged so only the electric motor is sending power to the wheels.



Jeep Grand Cherokee (photo Arv Voss)



Alternatively, the engine can re-engage to allow power from both the gas engine and electric motor to flow through the transmission. The U.S. EPA-estimated all electric range for 4xe is 25 miles, and the Grand Cherokee 4xe also has an EPA estimate of 56 miles per gallon equivalent (MPGe) combined with both gas and electric, and 23 MPG gas only **STYLING** 

The redesign of the fifth generation Grand Cherokee is readily identifiable as a Grand Cherokee, but presents itself as a noteworthy and upscale update over the last generation's design form of the previous ten years. The iconic 7 vertical slot grille remains, but is wider and larger, with a revised front fascia that serves to hide the long-range radar and other additional high-tech gadgetry. The hood I longer and the track is wider, exuding a bolder and more athletic stance.

Aft, the Grand Cherokee sports slender wraparound LED taillights along with integrated exhaust outlets situated at the edges of the lower fascia.

The 4xe PHEV models share the same design form as gas powered Grand Cherokee models. CABIN APPEAL

This newest Grand Cherokee's interior space represents a refined evolution incorporating the use of more luxurious materials It is truly one of the best interior executions available today's SUV marketplace. The console and center stack design deliver the ideal blend of touchscreen and manual switch gear including a new rotary shifter. Grand Cherokee Overland provides a comforting experience offering Nappa leather, back massage and 4-zone climate control. As one would expect, state-of-the-art connectivity and infotainment features abound along with driver assist and safety features.

continued on page 16





**TRAVEL** the U.S.

### Time to Start Traveling "Again"

TRAVEL the WORLD

# 2023 Toyota Sequoia Capstone 4x4 "Test Drive"

continued from page 4

sion. 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 fourwheel 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



2023 Toyota Sequoia (photo by Harold Allen)

# Los Angeles Auto **Show Continues to Grow with More** EVs, Press Events, and Over 1,000 Vehicles on Display

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 twotoned 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 Lans race car. -Red and blue seemed to be the winning colors of 2022! See you next year, Concourse!

Another "must attend" venue on the horizon is the esteemed LA Auto Show which will begin on Friday, November 18th and end on Sunday, November 27th. The LA Auto Show is one of the world's largest auto shows with approximately 1,000 vehicles displayed at the Los Angeles Convention Center in downtown LA.

Many people enjoy comparison shopping for cars, trucks, SUVs, electric vehicles (EVs), and more. There is no pressure to view and experience these beautiful models each year, which people enjoy. Test drives are available, the latest in automotive technology is displayed and explored, exotic cars are included and there is always a fun, cool, and inspiring experience planned for all whom attend. A list of automakers participating in the 2022 LA Auto Show will be announced in September...so stay tuned! For more information or to buy tickets visit laautoshow.com.

Global Auto News, your trusted name and friends in everything automotive, attends both events each year and will be there in LA to experience all the upcoming fun, beauty and thrills with you at the LA Car Show 2022...see you in November ... and Happy Fall everyone!

### **What Dealers Need To Know About Millennial Buyers**

continued from page 4

is best, for it keeps them from leaving your site to get information elsewhere and builds the all important trust. Five: Utilize marketing that invites the audience to engage with the product or brand. Six: Maintain an online reputation for these heavy researchers. They read reviews on third-party websites. Seven-there is no seven.

With most of the work (17 plus hours on average) done online, once Millennial customers get to your dealership, you can pretty much seal the deal and hand them the keys to their new car purchase!

After my years of personal research coupled with a 2015 special report by Tess Karesky, Market Research Analyst at CDK Global, I have come to learn these things...hope you have to ... Happy Selling, Dealers, and enjoy your cars, Millennials!

## **Auto News QR** Code







### 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-renewablepowered 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, emissionfree charging will become standard - and the sooner that happens, the better for our grid and our health."

### 2022 Chevrolet Updates and A New ZR2 by Howard Elmer

#### continued from page 6

punishing the owner on-road - or in the wallet.

But there is more for 2022 and in some ways it's almost bigger than the new ZR2. The last time the Silverado had a generational update was in 2019. At the time the truck and its powertrains were well received - the interior though, was not. Customers have been very vocal about this "miss"

For 2022 Chevy has corrected that interior mistake.

Silverado has refreshed the interior on the LT trim and above, incorporating new materials into a design that gives the cabin a spacious and more premium feel. The new interior is rooted in a driver-oriented instrument panel that features a 13.4-inch horizontal touchscreen, along with a 12.3inch digital, configurable instrument cluster. The 2021 model's instrument panel has been replaced with horizontal lines and floating elements that enhance the feeling of spaciousness to the Silverado's

Additionally, the new center console has an available electronic shift controller in models with bucket seats.

The new look and feel of the interior are elevated with new colors, seat designs and more premium materials throughout. That's especially true for the top-level High Country trim, which features new and unique elements including:

 Authentic open-pore wood trim on the console, upper glove box and doors

 Standard leather seating surfaces with an exclusive custom perforation and stitching pattern.

 Stainless steel speaker grilles with the Bose premium audio system, standard on High Country and LTZ

• Two interior color choices, Jet Black or Nightshift Blue

That new infotainment screen is the centerpiece of the more intuitive technology in Silverado and is paired with a new digital, configurable instrument cluster. The configurable cluster and infotainment display are designed to offer new levels of personalization and intuitive interaction. The available Rear Camera Mirror and Head-Up Display take the total to four technologically advanced screens, each helping provide an engaging and comprehensive driving experience. Additionally, all Silverado trims LT and above are equipped with Google built-in compatibility. With it, you can control certain vehicle functions by saying 'Hey Google' or pressing the 'push to talk' button on the steering wheel Use your voice to call or text, listen to music, set reminders, or ever change the temperature.

Another new feature for 2022 is the addition of Super Cruise to Silverado. First debuted on Cadillac as the industry's first true hands-free driver assistance technology; it's now available on Silverado High Country and can be used on more than 200,000 miles (320,000 km) of compatible roads in the U.S. and Canada.

Super Cruise employs advanced technology, including a Driver Attention System and precision LiDAR map data. The Driver Attention System uses a small camera located on the top of the steering column and works with infrared lights to determine where the driver is looking whenever Super Cruise is in operation. If the Driver Attention System detects the driver's gaze has turned away from the road ahead for too long. the steering wheel light bar will prompt the driver to return their attention to the road. If the system determines continued inattentiveness, it will use visible and audible alerts to notify the driver to take back control of the wheel. Super Cruise can be used when trailering with the Silverado, with specific calibrations designed to account for the additional drag and increased braking distance that comes with trailering. When not trailering, Lane Change on Demand and Automatic Lane Change are also available with Super Cruise.

These trucks are available now at dealers across the country

### **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 Luna1.3M, 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 Luna1.3M – 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 highperformance 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 Luna1.3M can also be used for digital car key solutions. In this case the new series acts as a embedded secure element  $\ensuremath{\mathsf{eSE}} - \ensuremath{\mathsf{a}}$  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.

### **INSIDE CHINA AUTO NEWS BYTES**

by Bill McCallum

### Aiways U6 SUV-Coupé breaks order record in China

The Aiways U6 SUV-Coupé has started pre-sales in its home country with an exclamation mark. As part of a cooperation with "Sing! China' the vehicle was shown nationwide on prime time in front of an audience of millions. It immediately broke the record for the most pre-orders for a car in Aiways history in one day in China. This was a perfect debut and impressive proof that Aiways' growth strategy is on a solid basis.

The successful launch of the new model in China is also the first impressive testimony to the competence of the new management. Aiways, a Shanghai-based provider of customized mobility solutions, has broadened its base after a successful start following its founding in 2017, following a successful further round of financing this spring that has provided the company with a three-digit million sum.

New top management provides added momentum

Longtime shareholder Chen Xuanlin (William Chen) has been appointed chairman of the board of directors, advising Aiways not only on strategic but also financing matters. Zhang Yang (Charlie Zhang) reports to Chen as the new CEO of Aiways providing significant expertise and absolute industry knowledge, especially in electric mobility and autonomous driving. In addition, Zhang Jie (Jet Zhang), an expert in artificial intelligence (AI), has been recruited as the new Chief Technology and Development Officer. Tailwind for global expansion strategy and upcoming model offensive

The ongoing development of the brand's product range and digital expertise is picking up additional momentum as a result of the restructuring. Aiways can now boast the best experts in each key position, and its development experience with the Aiways U5 SUV has created a network of global companions that make impressive proprietary developments possible. The already well-known lightweight MAS (More Adaptable Structure) construction kit, for example, will also underpin the upcoming Aiways U6 SUV coupe, which will differ significantly from its platform twin in key components.

The Aiways U6 SUV-Coupé, which will soon be launched in Europe, has already enjoyed impressive success: The record for the most pre-orders for a car in Aiways history in one day in China. Like the Aiways U5 SUV, the new model represents a powerful and technologically advanced electric car for sustainable mobility at an affordable price. The combination of global know-how and Chinese manufacturing on a platform uncompromisingly designed for electric drive makes the Aiways product portfolio unique in the competitive environment.

Munich as technical and strategic headquarters for Europe and overseas

In view of the growing product portfolio, Aiways plans to launch another model every year after U5 SUV and U6 SUV-Coupé, and further expand into new markets. The team in Munich will continue to grow, particularly given the flat hierarchies and the very good development potential which should serve as an incentive for new applicants. The conditions at Always are markedly different from traditional car manufacturers.

## **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 motor-

sports 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 firstplace 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



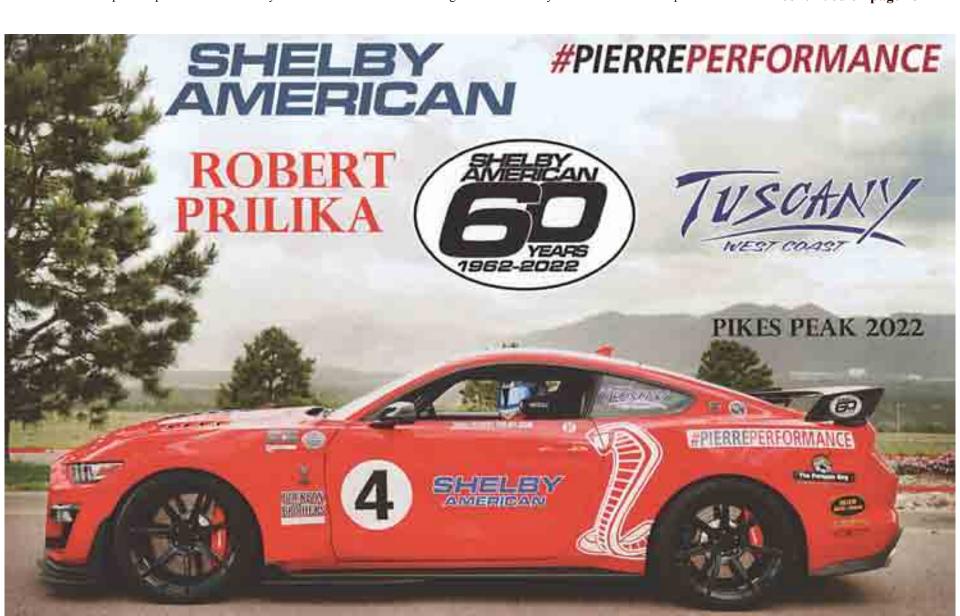


Photos from Pennzoil Motorsports



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 continued on page 13



### XXX Drive-In in Issaquah, WA to Celebrate 25 Year Anniversary



Maricela Munoz (Left) and Jose Enciso at XXX Drive-In, Issaguah (photo Auto News)



Maricela Munoz at XXX Drive-In (photo Auto News)



### Maricela Munoz Promoted to G.M. & COO at XXX

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."

Sept. 10

Sept. 17

Dec. 3

A single mom becoming COO of an established business is truly an AMERICAN SUCCESS STORY and thanks to Jose Enciso for giving Angelica the oppor-

# XXX Rootbeer **Drive-In Car Shows Grow from 3 (1999)** to 25 in 2023

XXX ROOTBEER Drive-In located in Issaquah was purchased by Jose Enciso in 1999. This year they celebrate their 25 year anniversary with 25 weekend car shows (see list on

From day one Jose had the idea to become "car show headquarters for the Northwest". The first year Jose started with the Tri-5 Chevy Show. In 2002 Jose promoted 2 cars shows and by 2004 the list had grown to 7 car shows. The list of Car Shows has grown to 25+ over the years and this summer Auto News will be having a XXX Drive-In car show. More info to follow.

Congratulations to Jose Enciso for his leadership in promoting Northwest Car Shows.

## 2023 TRIPLE XXX **CAR SHOW** SCHEDULE

Mar. 26 **Swedish Car Show** April 2 **VW Car Show** April 16 Porsche Car Show April 30 **Spring Opener** May 7 **Electric Vehicle Show** May 14 Vintage Trailer Show May 21 **BMW Car Show** June 4 **Auto News Car Show** June 11 Fenders & Fins Show June 18 Fenders on Front Street June 24 Raptor Truck Show (Sat.) June 25 Cadillac/LaSalle Show July 2 Hot Rod Hall of Fame Show July 9 Shelby & Mustang Show July 16 Camaro Car Show **Rat Bastards Car Show** July 23 July 30 **Corvette Car Show** Aug. 6 **GTO Legends Car Show** Aug. 13 Classic Swagger Show Aug. 20 TRI 5 Chev Car Show Aug. 27 C-10 Truck Show Sept. 3 Corvair Air Cooled Show

Firebird & Camaro Show

**VW Fall Fling** 

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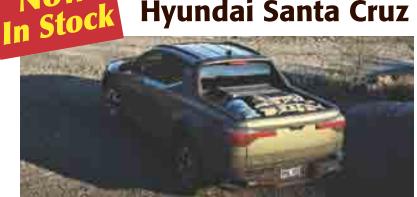


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### Up to 300 mile range 2022 Hyundai Ioniq 5



Hyundai is now offering factory-scheduled free maintenance on new vehicles for three years or 36,000 miles.

· Offering complimentary maintenance, specifically of this length, is unusual for non-luxury manufacturers. • The maintenance will include oil changes, filter replacements, and tire rotations and starts with 2020 models purchased on February 1 or later.

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### 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

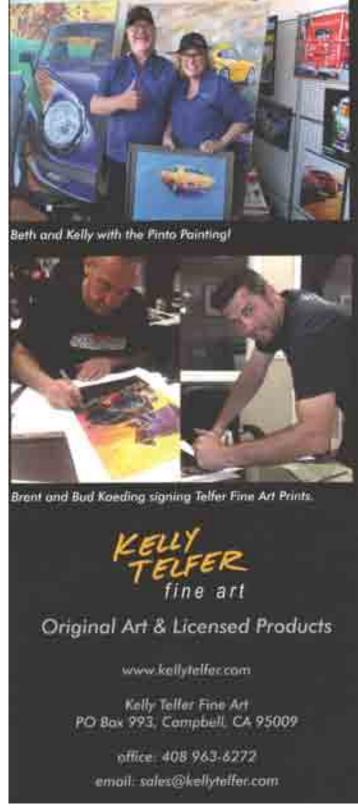
Museum's displays cover 80,000 square feet-the equivalent in space of 1½ football fields, including the end zones. They comprise more than 85 cars in six Galleries-Ford/ Shelby, Corvettes, World Cars, Fin Cars, American Muscle and Mopars – and a Pop-Up Porsche Exhibit. There are no barrier ropes around 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.

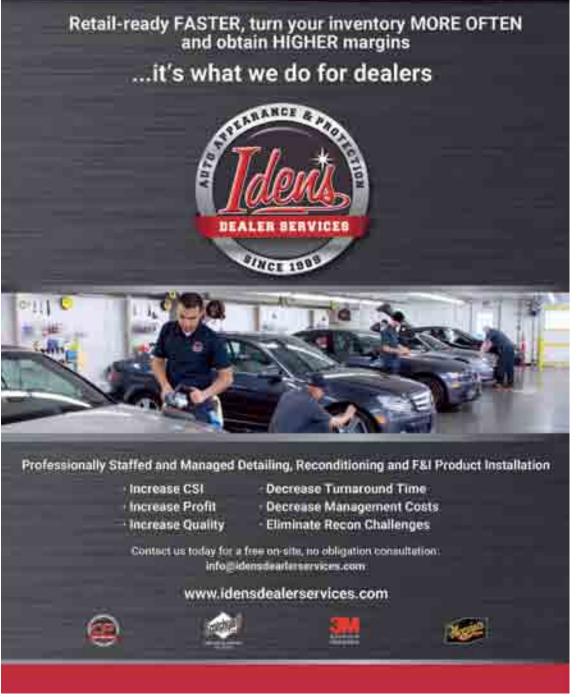
'The Museum is now sought out directly by those traveling to New England looking for experiences that mean something to them," said Buerman. "Our audience is in large part car aficionados and art lovers. Some have travelled to see as many different car museums as they can in this country, and they tell 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."

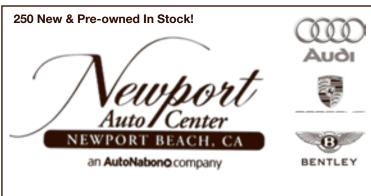
### Radford Racing School Featured at the March 28th thru April 1st Mecum Glendale, Arizona Auction

On November 1, 2022 Mecum Auctions. The World's Largest Collector Car Auction Company, announced a partnership agreement with Radford Racing School at the 2022 SEMA SHOW in Las Vegas Mecum will leverage Radford Racing School for Driver instruction and events, includ-

ing an exclusive VIP experience that will be held during the 2023 Mecum Glendale Auction scheduled for March 28, 2023 thru April 1,2023 at State Farm Stadium in Glendale, Arizona. The school will also have a presence at all Mecum Auctions throughout the U.S.







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### **Pennzoil Motorsports** Recap of 2022

continued from page 9

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

# **Joyce Chow Tours** C.E.S. Show in Las Vegas & Interviews Team from **Stellantis Showing New EV Truck**

continued from page 4

including the addition of a frunk, a front trunk. Tech lovers will enjoy the ability to configure sun visors or the tinting of the entire electrochromatic roof with a swipe, a full touchscreen display with two screens allowing up to 28 inches of screen space, and 360-degree camera views on interior digital screens which includes photo and video capture and even biometric identity recognition.

Transforming connectivity, the Ram 1500 Revolution BEV Concepts brings Alexa or Siri-like features into the truck with a Vehicle Personal Assistant which responds to voice commands or a Shadow Mode so the truck will follow the driver on the jobsite, reminding one of someone's pet following them. A built-in AR camera measuring

tool will help users best position items in the car.

There are 2 Electric Drive Modes, a fast 800-volt DC fast charge in 10 minutes for a 100 miles range and a Ram Charger robot to allow smart charge capability for convenience and a small footprint in your garage.

"We are moving beyond the appliance, the electric commuter car" shared Scott Brown, Manager, Region Communications (West), Stellantis as we walked through the CES 2023 show floor. "Dodge has said they would never make an electric car, they won't, but they'll make an electric muscle car.'

Today's electric vehicles may have soul and performance. In the not so distant future, your transportation vehicle could be your mobile movie theatre or even be the battery backup to you home.



Ram 1500 Revolution BEV Concept at CES 2023 in Las Vegas (photo Scott Brown, Stellantis)



Ram 1500 Revolution BEV Concept at CES 2023 in Las Vegas (photo Joyce Chow)

www.132slotcar.us ScaleRacing Center Alan (left) Scale Racing Center owner hosts slot car



competition at Legends of Auto Monterey

### **ORDER TODAY** ScaleRacing Center

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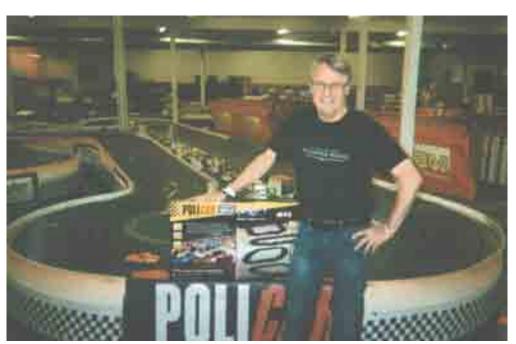
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Alan Smith, Scale Racing Owner Conducts Slot Car Demos at NW Race Tracks



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



## Is It Time To **Visit New**

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.

### **SHOWCASE REVIEWS**

### Power Sources? Lexus UK 250h F-Sport



The G90 has been the "flagship" of the brand and has been redesigned for 2023. It's comfortable with a smooth ride and lots of power. **BASE PRICE:** \$42,150 \* TYPE: 3-row SUV **ENGINE:** 3.8L V-6 TRANS: 8-speed AT HORSEPOWER: 291 hp MPG: 25 highway

### 2023 Lexus ES 350 F-Sport



The 2023 Lexus ES F-Sport Hybrid is part of the Lexus Electrified Plan. The ES F-Sport offers an enhanced sporty driving experience with new safety features

**BASE PRICE:** \$43,605 \* TYPE: 4-door SUV ENGINE: 2.0L 4cyl Hybrid TRANS: CVT HORSEPOWER: 181 hp MPG: 39 combined

### 2023 Mazda CX-5



The 2023 Mazda CX-5 is a IHS TOP SAFETY PICK with a sporty design. The CX-5 offers the i-Active AWD system and is available in 8 trim lines.

**BASE PRICE:** \$39,650 \* TYPE: 4-door SUV **ENGINE: SKYACTIV-G 2.5L Turbo** TRANS: SKYACTIV-DRIVE 6 sp HORSEPOWER: 227 hp MPG: 27 highway

### 2023 Mazda3 Hatch Turbo



The popular 2023 Mazda3 BASE PRICE: \$35,300 \* "Hatch" has been enhanced with more options with the Premium HORSEPOWER: 227 hp Plus Package.

TYPE: 4-door Hatchback **ENGINE:** SKYACTIVE-G 2.5L Turbo safety features, and more TRANS: SKYACTIVE-DRIVE 6 sp MPG: 31 highway

### **2023 Toyota Camry Hybrid**



The Toyota Camry is an all-time "best seller". New for 2023 are more trim lines and over 4 hybrid trim lines with more hi-tech features.

**BASE PRICE:** \$30,615 \* **TYPE:** Sedan **ENGINE:** 2.5L 4-cylinder TRANS: ECVT **HORSEPOWER:** 208 hp MPG: 46 combined

2023 Toyota 4-Runner TRD



The Toyota 4-Runner TRD has been a favorite of off-roaders (see story on page 19) The Hill-Start Assist, Multi-Terrain, and Crawl Control are popular. **BASE PRICE:** \$53,270 \* TYPE: 4-door SUV **ENGINE:** 4.0L DOHC V6 TRANS: 5-speed Automatic HORSEPOWER: 270 hp **MPG:** 19 highway

\* All information listed "AS TESTED"



# **Car Collections**



### **Mecum Kissimmee** 2023 Eclipses Last Year's Record with \$234 Million in Sales

The First Auction Ever to Exceed \$200 Million in Back-to-Back

Mecum Kissimmee, The World's Largest Collector Car Auction®, became the first ever to exceed \$200 million in consecutive years with \$234 million in total sales achieved at Mecum Kissimmee 2023, concluding a 12-day run on Sunday, Jan. 15 at Osceola Heritage Park in Kissimmee, Florida.

Among the highlights were:

- Record 4,000 vehicles consigned to Mecum Kissimmee 2023 Record 3,180 vehicles sold at
- Mecum Kissimmee 2023 · Record attendance of both
- registered bidders and spectators
- \$234 million in sales—the most ever at Mecum Kissimmee and eclipsing the \$217 million achieved at Mecum Kissimmee 2022
- The first-ever auction to achieve more than \$200 million in sales in consecutive years
- A total of 13 vehicles realizing seven-figure sale prices
- \$4 million in Road Art sales with 1,255 items offered

• 36 hours of live coverage of Mecum Kissimmee 2023 on MotorTrendTV and MotorTrend+

• Consignments from 47 states Bolstering the auction's remarkably diverse lineup were more than



1992 Ferrari F40 10,994 Miles, No. 179 of 213 for the U.S. Market (Lot S156) - Sold at \$3,135,000



1970 Pontiac GTO Judge Ram Air IV Convertible 1 of 7 with Automatic, POCI Senior Gold Winner (Lot F111) - Sold at \$1,100,000

45 private collections, which collectively produced \$90 million in sales. The Chuck Cocoma Judge & GTO Ram Air IV Collection of nine rare classic American muscle cars amassed \$2.6 million, with a 1970 Pontiac GTO Judge Ram Air IV Convertible (Lot F111) becoming the top seller from the collection and nabbing the ninth spot in overall top sales with a \$1.1 million sale. From The Gary & Kathy Edwards Wing Car & Mopar Collection, a 1969 Dodge Hemi Daytona (Lot F142) sold for \$1.43 million, and every single one of the other 15 cars from the collection reached six figures, with four exceeding the half-million-dollar mark, adding to the collection's overall total sales of \$7 million.

Topping the high sellers list was a 1992 Ferrari F40 (Lot S156) that is No. 179 of a total of 213 U.S.spec Ferrari F40s built, and it sold for \$3.135 million. Other high sellers at the auction ranged from vintage American muscle cars to race track warriors, including a 1966 Shelby 427 Cobra Roadster (Lot F177) that sold for \$1.43

The overall top 10 collector car sales at Mecum Kissimmee 2023 include:

- 1. 1992 Ferrari F40 (Lot S156) at \$3,135,000
- 2. 1967 Ferrari 275 GTB/4 (Lot
- K148.1) at \$2,970,000 3. 1959 BMW 507 Roadster
- (Lot K147) at \$1,760,000
- 4. 1955 Mercedes-Benz 300SL Gullwing (Lot S169) at \$1,650,000
- 5. 1967 Ferrari 330 GTS (Lot K149.1) at \$1,595,000
- 6. 1969 Dodge Hemi Daytona
- (Lot F142) at \$1,430,000 7. 1969 Dodge Hemi Day-
- tona NASCAR (Lot S125) at \$1,430,000
- 8. 1966 Shelby 427 Cobra Roadster (Lot F177) at \$1,430,000
- 9. 1970 Pontiac GTO Judge Ram Air IV Convertible (Lot F111) at \$1,100,000
- 10. 1968 Eagle Offenhauser Indy Car (Lot S140) at \$1,100,000

The top muscle car sales at Mecum Kissimmee 2023 include:

- 1. 1969 Dodge Hemi Daytona (Lot F142) at \$1,430,000
- 2. 1969 Dodge Hemi Daytona NASCAR (Lot S125) at \$1,430,000
- 3. 1970 Pontiac GTO Judge Ram Air IV Convertible (Lot F111) at \$1,100,000
- 4. 1970 Plymouth Hemi Superbird (Lot T141.1) at \$852,500
- 5. 1969 Dodge Hemi Daytona
- (Lot T141) at \$825,000 6. 1970 Plymouth Hemi Super-
- bird (Lot F145.1) at \$742,500 7. 1970 Pontiac GTO Judge
- Ram Air IV Convertible (Lot S111) at \$572,000
- 8. 1970 Plymouth Hemi Superbird (Lot F146.1) at \$561.000
- 9. 1971 Dodge Hemi Charger R/T Sunroof (Lot F146) at \$550,000
- 10. 1970 Chevrolet Chevelle LS6 Convertible (Lot S126) at \$550,000

The top Corvette sales at Mecum Kissimmee 2023 include:

- 1. 1967 Chevrolet Corvette Coupe (Lot F156) at \$495,000 2. 1963 Chevrolet Corvette
- Convertible (Lot S136) at \$467 500

- 3. 1967 Chevrolet Corvette Convertible (Lot F184) at \$440,000 4. 1967 Chevrolet Corvette Custom (Lot S110) at \$440,000 5. 1963 Chevrolet Corvette
- Split Window Coupe (Lot F110.1) at \$434,500 6. 2019 Chevrolet Corvette ZR1 Coupe (Lot S73.1) at
- \$363,000 7. 1965 Chevrolet Corvette Big Tank Fuelie (Lot T214) at \$352,000
- 8. 1967 Chevrolet Corvette Convertible (Lot S147) at \$330,000
- 9. 1963 Chevrolet Corvette Split Window Coupe (Lot F222) at \$321,750
- 10. 2019 Chevrolet Corvette ZR1 (Lot S143.1) at \$313,500 The top sports car sales at Mecum Kissimmee 2023
- include: 1. 1992 Ferrari F40 (Lot S156) at \$3,135,000
- 2. 1967 Ferrari 275 GTB/4 (Lot
- K148.1) at \$2,970,000 3. 1967 Ferrari 330 GTS (Lot
- K149.1) at \$1,595,000 4. 1966 Shelby 427 Cobra Roadster (Lot F177) at
- \$1,430,000 5. 2005 Porsche Carrera GT
- (Lot S226) at \$1,072,500 6. 2020 Ford GT (Lot S183.1)
- at \$1,067,000 7. 1961 Mercedes-Benz 300SL
- (Lot K151) at \$1,045,000 8. 2020 Ford GT MkII (Lot S222) at \$990,000
- 9. 1965 Shelby 289 Cobra Roadster (Lot K145) at \$907,500 10. 2015 Ruf RT12 R (Lot F246) at \$792,000

The top 1950s-era sales at Mecum Kissimmee 2023 include:

- 1. 1955 Chrysler Ghia ST Special (Lot S160) at \$770,000
- 2. 1957 Dual Ghia Convertible (Lot S149) at \$484,000
- 3. 1957 Ford 300 (Lot S190.1) at \$396,000
- 4. 1959 Chevrolet Impala Convertible (Lot S205) at \$368,500
- 5. 1955 Buick Custom Convertible (Lot S196.1) at \$319,000 6. 1959 Chrysler 300E Con-
- vertible (Lot F230) at \$286,000 7. 1953 Studebaker Commander Custom (Lot S197) at \$220,000
- 8. 1959 Chevrolet Impala Custom (Lot F55) at \$209,000 9. 1957 Chevrolet 150 (Lot S191.1) at \$203,500 10. 1958 DeSoto Firedome Con-

vertible (Lot F230.1) at \$198,000 For access to complete auction results, sign up for a free MyMe-

cum account at Mecum.com.

## **Auto News** QR Code









1963 split window Corvette
"L75"-code 300-horsepower 327- V-8 engine. This is the way you like to find them.

1969 Chevelle custom. Custom paint. 396 V8 engine, 700 R4, PS, Power four-wheel disc brakes. 17 inch wheels

You will love this car it's beautiful



1956 Chev big block, 454 engine. AT Power disc brakes on the front. PS. Stunning car for your enjoyment

1957 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 91,000 miles five speed. It looks like brand new and it drives that way.





### Women in the Auto World



### Previously Featured: "Women in the Auto World"

Lyn St. James - Indy Race Driver Felicia Fields - Ford HR VP Mary Barra - GM CEO Michelle Christensen - Acura Design Lisa Copeland – FCA Dealer Sandra Button - Pebble Concours Courtney Kramer - Auto News

Monika Kalenski - MEK Magnet Chanterria McGilbra - Prancing Ponies Foundation Nancy LeMay - LeMay Family Collection 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

# Pam Nelson Leads Nelson Family Into the Future

### 100 Years of Nelson Family Leadership in the Auto Business

The year is 1890, Hans Nelson and his son Nelse Nelson, immigrated from Sweden and opened a livery stable in Ballard. I'm doubtful that they envisioned they would be creating the roots of a Legacy that would go on to span 100 years, 4 Generations, and counting.

However, that's exactly what they did. In 1914, after seeing the success of his father, Nelse's son Stanley Nelson (Sr.) started a "jitney business" (early taxi's). With a keen eye to vertically integrate, Stan Sr. bought a gas station and tire business to support his growing business in 1916.

In 1922, Stan Sr. changed course and opened Nelson and Kellogg Chevrolet in Ballard, marking the beginning of the Nelson Family's long history owning and operating dealerships across the Pacific Northwest. Stan Nelson Jr. observed this success and followed suit in 1938, buying a Chevrolet dealership in Sedro Woolley and becoming the youngest Chevrolet Dealer in the USA at the age of 23. Later, Nelson Jr's brother Frederick would take the Sedro Woolley dealership, and Nelson Jr. would take the Ballard dealership as their father entered retirement.

The subsequent generations of Nelsons went on to expand the family business. Lynnwood Honda was purchased in 1981 with a team of shareholders led by Fred Nelson including his children Erik and Wendy, and his nieces and nephew, Barbara, Fredricka, Pamela and Stan III. Four years later, Pamela Nelson purchased Foothills Pontiac Buick Toyota in Burlington, WA in 1985 and her sister, Barbara, established Acura of Bellevue in 1986. In 2019, the Nelson Auto Group acquired Apple Valley Honda and Honda of Burlington from the Sims Family. continued on page 17



Pam Nelson and son Tyler with Car Sold in 1925 (photo Auto News)

### Genesis Electrified G80 "Test Drive" |

continued from page 2

using the paddle shifters you're able to select different levels of regeneration which feels like shifting a gas car.

### Interior:

As expected from something of the Genesis line, the interior is posh, and filled with tech features.

The instrument cluster is a 12.3inch 3D display, while a 14.5inch widescreen display fronts the infotainment system. Below is another smaller screen that relays climate functions. There are plenty of physical buttons to control common functions like climate and audio.

In summary, if you're in the market for an EV luxury sedan, make sure to check out the Genesis Electrified G80. The vehicle is loaded with features, comfortable, and comes in at a modest price point by comparison at \$80,000 MSRP.



Genesis Electrified G80 (photo Auto News)

## Jeep Grand Cherokee Overland 4XE "Test **Drive" Report**

continued from page 6 PERFORMANCE

This new Grand Cherokee delivers smooth and quiet acceleration in both Hybrid and electric only modes on or off road, though we didn't actually perform any serious off-road testing as we did with our earlier Jeep Wrangler 4xe test vehicle. Both vehicles offer the same capability for full electric off-road excursions.

### **OUR FINAL CONCLUSION**

The 2022 Jeep Grand Cherokee Overland 4xe PHEV Hybrid SUV is both powerful and fuel efficient with agile handling characteristics and smooth comfortable on road ride and manners. These attribute along with the elegant and sophisticated design enhancements make it a winner and highly desirable PHEV

### **SPECIFICATIONS**

Model: 2022 Jeep Grand Cherokee Overland 4xe Engine: 2.0-liter, DOHC,16-valve turbocharged and inter cooled inline four cylinder – direct injection + 2 AC motors, 44 and 134 hp, 39 and 181 lb-ft (combined output: 375 hp, 470 lb-ft; 14.0kWh lithium-ion battery pack -7.2-kW onboard charger

Horsepower (bhp): 270 @ 6400

Torque (ft./ lbs.): 295 @ 4800

Transmission: 8-speed PHEV Automatic with manual shifting

Wheels: 20-inch Machined Face Aluminum

Tires: Bridgestone Ecopia H/L 422 Plus 265/50 R20 BSW All-Season

Brakes: Power-assisted 4-wheel ABS

Exterior Color: Silver Zenith metallic

Interior Color: Global Black / Steel Gray

EPA 25 miles all-electric range City / Hwy: 56 mpg equivalent (MPGe) – gas-electric 23 MPG

comb city/hwy - gas Base Price: \$65,760 Select Options: Silver Zenith Ext Paint - \$395

Luxury Tech Group IV \$2,155 Advanced Protech Group III -\$2,235

Black Painted Roof-\$775 Front Passenger Interactive Display - \$1.095 Destination Charge \$1,795.

MSRP: \$74,210

## Auto News Honors Nelson | Tim McCrane Returns for "CARWEEK" Family Auto Group for Service



With such strong values, it's no surprise that the Nelson Auto

Group has continually earned

nationwide accolades and achieve-

ments. Most recently, Foothills

Toyota was named "Dealer of the

Year" in 2020 and with the family

support network that the Nelson's

have built, we expect it to be that

way for a long time.

### continued from page 16

With the growth and sustainability that Nelson Auto Group has seen, it's clear that they're doing something right. When asked what the "key" to their success was, Pamela stated that the ingenious thing was the way the family works together and the company's core values of Integrity, Service, and Quality. "We have each other's backs, and support each other, but still are able to be autonomous and stand alone" stated Pam Nelson.

And it's clear that they've done iust that: Nelson Auto Group has included over 30 family members over the years. Pamela herself, has grown the Foothills Toyota store from 3 employees to almost 100 during her tenure. Now the current generation is getting ready to pass the baton to the next with Pamela's son Tyler Steinman assuming the role of Dealer Principal at Foothills on March 4th, 2022. Exactly 37 years to the date after his mother Pamela became a dealer. "It really comes down to taking care of the customer and one of the family mottos that I heard my grandfather, Stan Jr. say was take care of the customer and they'll take care of you" stated Tyler.

### Audi Q4 50 & RS e-tron

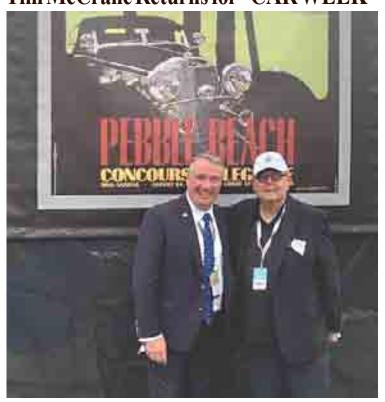
continued from page 3

battery range is estimated by the EPA at 242 miles. That doesn't sound like any kind of record setting number, and the regular Q4 (non-Sportback) does slightly less at 236 miles. And a lower-priced single motor Q4 e-tron will come along soon as the entry model (just a tick under \$50,000), but actually with a higher range of 265 miles.

Some may be shaking their heads at what would seem like unimpressive numbers compared to what else is on the market, or what people "think" an acceptable range should be. Longer ranges would mean larger batteries (and more weight), and most buyers of the Audi Q4 e-tron will live in metropolitan areas and likely drive far less than 100 miles per day, never mind some mythical 500 miles.

And as has become commonplace, the new Audi EVs accept DC quick charging from a growing number of public Level-3 charging stations for use on road trips. Stop for lunch, shopping, or even coffee, and the quick charger can put a lot of juice into the battery while the car is parked anyway.

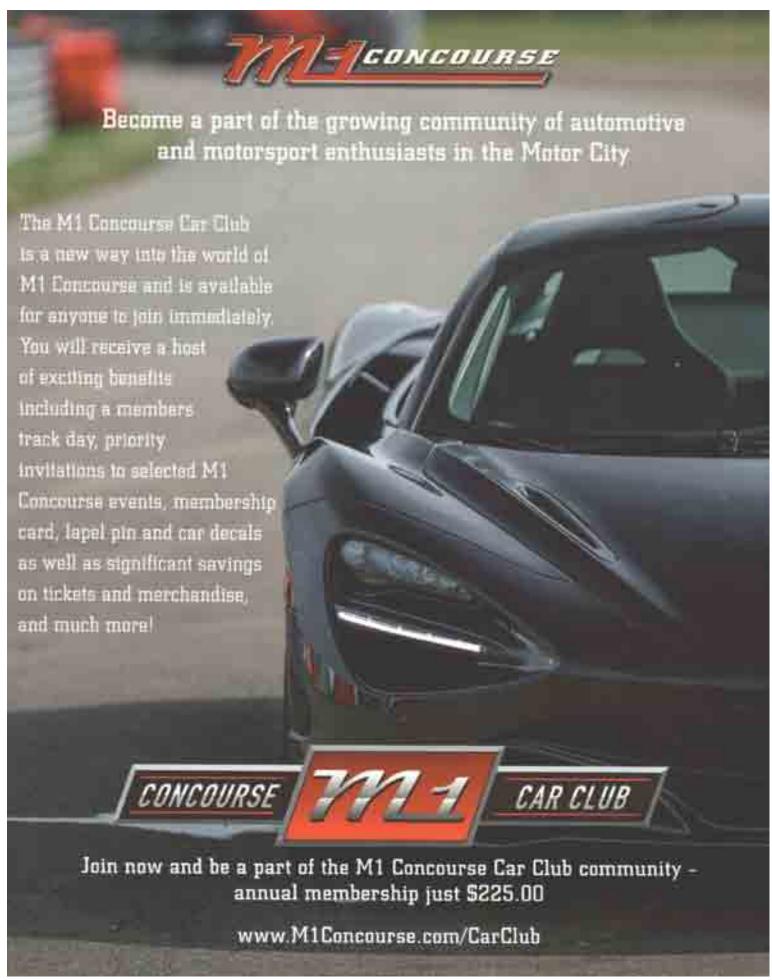
What Audi's EV lineup has going for it is looks, both inside and out. You know right off the bat they're an Audi, and not some generic blob that you have visually study to see the logo of. That right there should lure more than a few buyers to these new electrics.

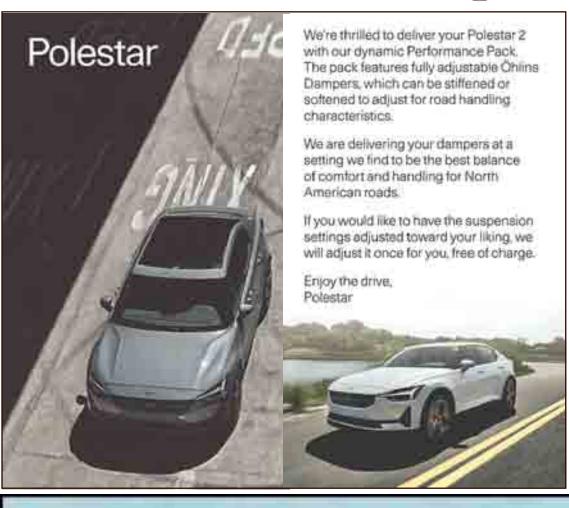


Tim McCrane M1 Track CEO with Bill McCallum at Concours d' Elegance

## **Auto News Introduces All-New QR** Code







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

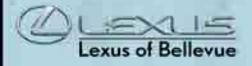
by Bill McCallum

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 a 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.

# Over 4,000 New & Pre-Owned Choices EVERY DAY!

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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.
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### **Off Road Adventures**





# Next/Jump Outfitters Open for Club Events

Next Jump Outfitters is based in Tacoma (T-TOWN) across the street from Griots Garage and next to the Scale Racing Center.

They outfit trucks, trailers, and boats for adventure. Over the last two decades Next Jump Outfitters has mastered the art of the digital nomad, enabling a balance between work, exploring, raising and educating kids. Next Jump Outfitters exists to eliminate 50% of the time and effort traditionally required to live a life of adventure.

With Next Jump Outfitters you can build your own OVER-LAND TRUCK, More over, Earth Roamer the full size truck builds are a fraction of the price and infinitely customizable.

You can build your own OVER-LAND TRAILER: a new kind of trailer designed to be the perfect camp based kitchen, a toy hauler, or your next flatbed to rig your truck. Next Jump Outfitters is ready for what ever your next adventure requires.

 $Next\,Jump\,Outfitters\,offers\,road$ tested accessories to customize your rig. Their flatbed platform is infinitely customizable to what ever your next adventure demands. Storage wheels, suspensions, bumpers, lighting, you can make it your own. Everything you need to make the JUMP; awnings, roof top tents, domestic coolers and more. Before they sell it, they thoroughly road-test it for durability and use-ability.

For additional info visit - the team@nextjumpoutfitters.comOR call (253) 301-0028



Toyota 4 Runner in Front of Next/Jump Outfitters Tacoma, WA

### CALL (253) 301-0028

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

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

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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 FOXTM Live ValveTM internal bypass shocks with state-of-the-art electronic control technology offer position-sensitive damping adjust

The high output 3.5-liter Eco-Boost® 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

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 Tuscany 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**



# McCormick's Collector Car Auction to Help Support 80th Anniversary of Palm Springs with Guinness Record Parade

On Saturday April 8th, 2023 the city of Palm Springs will showcase the history of growth throughout the 85 year history of Palm Springs with many special events.

One of these unique events will be a submission to the "Guinness Book of World Records" of a car parade that has never been attempted before. One car selected from every year starting in 1938 (City's formation) to a brand new 2023. They will drive on a parade headed by a famous celebrity as Grand Marshall from the Palm Springs Convention Center to Downtown Marilyn Monroe Park to form a display for everyone to enjoy fabulous photo ops.

There have been recorded longest, largest, identical, all one manufacture records, etc. but never sequential years.

The general public will be invited to submit their personal car for inclusion in the record breaking

attempt. A team of auto press journalists will vet all applications to amass one for every year. 85 cars in total. Each participant will receive a "Guinness Book of World Records" certificate stating they were involved in this record attempt. Submissions will be submtted at the Website of McCormick Classic Car Auctions (classic-carauction.com) OR mail McCormick's Classic Car Auctions 244 North Indian Canyon Drive, Palm Springs, CA 92262

You can call (760) 320-3290 for details.



McCormick's Palm Springs Collector Car Auction, held at the Convention Center near downtown Palm Springs twice each year, featuring nearly 600 cars. (photo McCormick)

## **Galpin Story**

continued from page 4

think of men like Bert Boeckmann. May your good deeds be rewarded with continued success and good health".

When I refer to Galpin Ford from 1968 forward, it's a Boeckmann family owned dealership, Bert, his wife Jane and eventually their son, Beau in 1982.

It's 1946, following the end of World War II, a Ford Dealership was opened in the City of San Fernando and Frank Galpins business sold 46 cars in its' first year.

Galpin was ahead of the customizing trend with the Galpinized 1952 Ford convertible. This custom Ford ended up gracing the cover of Motor Trend magazine.

The year 1953 came and a gentleman named Bert Boeckmann joined Galpin as a salesman and became General Manager in 1957, From this time until 1968, when Bert became sole owner of Galpin Ford, many firsts happened; leasing vehicles to individuals is a Galpin origination, launched a West Coast NASCAR racing team, the first Shelby dealer in California, sponsored the first Mustang Owners and Shelby Cobra Clubs, introduced European sunroof technology to America and developed Galpin Square - America's first automobile department store complete with a restaurant.

1970 came with Bert and his wife Jane, along with one other individual, started a motor home manufacturing company. Its' first year, the vehicle became the number one selling Class C motor coach in California.

Galpin has always been at the forefront of custom vehicles since 1952 with their Galpinized cars and trucks. Beau was made Vice President in 1998 and opened Galpin Auto Sport (GAS) in 2006, a freestanding customizing and performance facility.

The Boeckmann family - Bert, Jane and Beau - all have shared in the building of an automotive empire containing a heart and soul. They, together and singularly, have nurtured so many achievements and earned the rewards and many honors bestowed on them.

• Brand Names Foundation Automotive Retailer of the Year Award - twice

• Automotive Hall of Fame - Bert Opened the first Methanol ser-

vice station in the world - 1982 National Automobile Dealers Association, 25,000 dealers in America, named Bert the National Quality Dealer of the year







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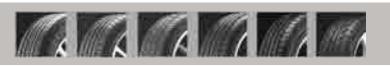
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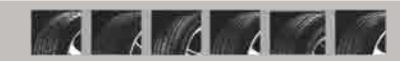
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### **AUCTION LOCATION**

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### **Tires**



## "A 1955 Thunderbird Cemented My Love Affair with Classics"

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

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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 poweradjustable 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 firstgeneration 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.



1955 Ford Thunderbird (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 consump-

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.

# **Auto News Introduces** All-New **QR** Code









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Biggs Eastside is truly the "dealer alternative." For more information, log onto www.biggsrovers.com and look for the Biggs Eastside Automotive ad in the Auto News Service Directory.



### AUTO 206 INC.

Robert Dwyer with 20 years experience in the auto industry has opened AUTO 206 INC. a Pickering Dwyer Family Business, located in Kent, WA. (See ad on same page) Conveniently located two blocks from IKEA on East Valley Highway in Kent, Robert has 60 to 65 high quality vehicles on the ground. He can also locate a vehicle for you if he

doesn't have what your looking for in stock. AUTO 206 INC. has a working relationship with Arrows Automotive, Renton a full service automotive repair shop and AUTO 206 INC. offers bank and credit union financing.

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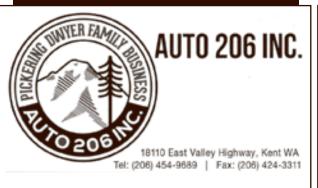
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#### AMERICAN MUTUAL INSURANCE SERVICES

Bill Smallwood III is a "car-guy" with 22 years in the business. His business, American Mutual Insurance Services, LLC specializes in collector car insurance and is the largest Hagerty Collector Car Insurance agent on the West Coast.

In addition to the Hagerty brand, Bill represents Grundy, Heacock, Classic Collectors, Safeco, Travelers, GMAC, Met Life brands and many more.

Bill's insurance agency represents

clients in WA, OR, ID, CA, and AZ, has 10 employees, and is a full service agency. Bill is also active in the car collector hobby and has helped organize the "Mustang Roundup" for a number of years as well as other car shows. Bill participates in a number of NW collector car shows as a vendor. Bill said, "I am passionate about cars, and my rates are very competitive." Sounds like a good combination to me. See the American Mutual Insurance Services LLC ad in the Auto News Service Directory.



### **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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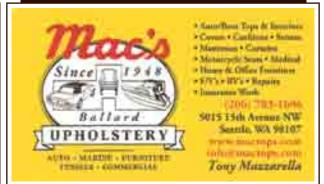
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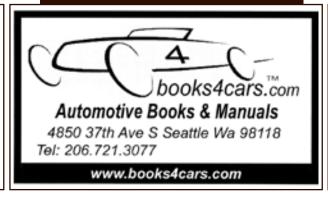
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(See Story on Page 25)

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### **Auto News Foundation**



# **Auto News Foundation Launches Its** Scholarship Program At Monterey Gala Event

Legends of Auto Celebrates 10 Yr. Anniversary in August



(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



Barry Meguiar was Honored at the Legends of Auto Gala in Monterey as he and his wife Karen Supported the Auto **News Foundation** 



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The general program is a non-factory sponsored program. If you wish to work in an independent repair facility or simply want to broaden your automotive repair skills, the general program is for year. You may take courses at your own pace or choose to follow a recommended schedule for completion. You may also gain valuable experience through as interesting working side-by-side with master technicisms.

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"Lyle Clark Glendale Community College Auto Program Director has the Best Program in the West"

### **Next Issue:**

- \* Shelby Foundation
- \* North Texas **Community College**

### **Genius Garage Now Accepting Applications for** 2023 Program

The Genius Garage, a 501(c) (3) non-profit educational charity providing real-world hands-on experience for college engineering students interested in careers in automotive and motorsports engineering, today announced it is now accepting applications for its 2023 program. Applications must be submitted by e-mail geniusgarage@hotmail.com the latest February 15th.

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have with RTC will help us for many years to come."

> -Michael O'Brien, Owner, O'Brien Auto Group

## Sally Hanson's Scholarship Experience

continued from page 2

these products. NWAPA members have the opportunity to drive vehicles that provide "0" tailpipe emissions—including all electric vehicles, plug-in hybrids, and fuel

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 reexplain 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. (see front page photo)

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









Reception: 7 pm

Dinner: 8 pm

**Presentation:** 

9 pm

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(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



George Barris, a Legend that has departed, with Gary Williams at Pebble Beach Concours



Barry Meguiar was Honored at Legends



Legends of Auto Gala Event attendees at dinner during presentations at a previous event.

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