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Legends, Leno....and **40** Years of Auto News

Mecum Kissimmee Ad (back page)page 28

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.

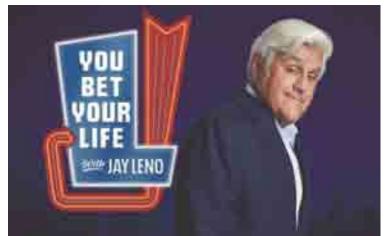
With California being the largest new car market in the U.S. that was

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.autonewonline.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.

continued on page 15



Jay Leno's New TV Game Show is shown on FOX networks across U.S.

Looking for a Tech-Smart, Super Spacious Midsize Sedan with a **BOLD Design?**



2022 Hyundai Sonata (photo Auto News)

Looking for a tech-smart, superspacious midsize sedan with a bold design? Hyundai has the answer. Three of them, in fact: Sonata, Sonata N Line and Sonata Hybrid. Hyundai Design has given each its own unique details but all three share a shape that's stunning . So don't be surprised if people stop and stare.

Check out how the hood wraps to the edge of the car with no harsh cutline, How strips of chrome extend forward along the hood line, tapering into dynamic LED running lights that reveal

themselves when illuminated. And how, from the rear. Sonata's ultra wide tail lights accentuate its ground-hugging stance.

Open the door, and you enter an interior that's equally pleasing to the eye. Refined materials cover the cabin's surfaces. There's an open, airy sense inside of Sonata - one filled with innovations and personalization options that raise the bar for midsize sedan convenience, comfort and active safety. One example: An available 12.3" digital instrument cluster display can be customized to

suit different driving modes and preferences.

Even with Sonata's coupe like profile, the cabin has class-leading front headroom and leg room. And even on the longest road trips, you and your passengers will enjoy spacious comfort. Considering Sonata Hybrid Blue has an extended driving range of up to 686 miles, long trips are a distinct possibility.

Thanks to Hyundai for providing the details for this story and the 2022 Sonata deserves a look.

Jay Leno invites small circle of Friends and Associates to "Final Tonight Show" in LA



(Left to Right) Bill McCallum, Founder of Auto News, Late Art Gould, Car Talk Radio Host, Jay Leno, Scott Killeen and Mack Vaughn Auto Week



EV Investments VS Size of the Market



publisher

As we close the book on 2021 I am still trying to make sense of what automaker OEM's are doing in their attempt to prepare for a future with more EV's being sold in the U.S. and around the world. I suggest that anyone in the business of preparing for the future of more EV's being sold read a book published in 1994 by Michael Brian Schiffer entitled TAKING CHARGE "The Electric Automobile in America." The author documents the FACT that in the early 1900's there were over 20 automakers making EV's and they represented over 24% of the market in the U.S. By 1920 they were all OUT OF BUSINESS. Why? Second, investments being made today (i.e. battery factories, etc) have to be based on the size of the potential market. How does one determine the size of the market in 5, 10, or 15 years? Finally, can governments and environmentalists successfully create a market for EV's with tax dollars and mandates ? HAVE A NICE HOLIDAY SEASON and see the PAGE 5 story-"The Great EV Race."

SEE Dealer Group Ads

- Open Road page 2
- Haselwood page 3
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- Pierre page 25

Lexus UX200 F a Budget Price



editor

In this day and age of \$100,000 trucks, \$70,000 4Runners, and outrageously priced used cars; hearing that you can get into a Lexus on the lower end of the \$30.000's sounds ludicrous. But believe it or not, it's real, and it comes in the form of the Lexus UX200.

The Lexus UX200 has a unique body style. It is marketed as a subcompact crossover SUV, however it sits lower to the ground, almost in a "hot hatch" form. Our test vehicle was the F Sport trim in cadmium orange adding to the sporty aesthetic of the vehicle.

Because of the body shape, I found the UX200 to be quite functional. The vehicle features 17.1 ft³ of cargo space. The rear seats are split 60/40 so you can fold either side or both sides flat for more space. This makes the UX200 optimal for times when you need to carry ski gear up a mountain, help friends move, or go camping.

With regards to the seats, the F Sport seats are extremely comfortable. The perforated leather clad buckets in front provide the perfect amount of support while keeping you in place and the rear has plenty of legroom for your passengers. The steering wheel is also very high

continued on page 16

Toyota C-HR Sport, Luxury at Nightshade Added Benz E450 4MATIC to SUV Line Up



travel editor

Looking back to the last century —the Sport Utility Vehicle (SUV) was a big, bold and sturdy fourwheel-drive machine that could travel off-road. In recent years the very popular SUV class has expanded to include 3-row seating, full-size, mid-size, compact and subcompact vehicles.

The Toyota C-HR is Toyota's smallest SUV and is considered a subcompact or small crossover Sport Utility Vehicle. A crossover is lighter-weight and built on a car platform while a traditional SUV is heavier and uses a truck chassis. When the Nightshade Edition of the C-HR arrived for my drive, I was surprised that it was considered a SUV because its aerodynamic styling with black 18 inch alloy wheels, spoilers and other sporty accessories make it look like it should be flying rather than traveling off-road like SUVs of the past.

You might be wondering what the meaning of C-HR is. C-HR is derived from Compact High Rider and Cross Hatch Run-About. Considering the C-HR has a minimum ground clearance of 5.9 inches

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2021 Mercedes-**All-Terrain Wagon**



Arv Voss feature writer

A few years ago Wagons were predicted to go the way of the dinosaur. They were rapidly losing their popularity and were about as favored as the dreaded minivan with its "Soccer-Mom" image. Never-the-less, I've personally continued to reserve a place for wagons on my list of favorite vehicle styles and configurations.

The Mercedes-Benz E-Class has been in existence longer than most of its competition in the wagon marketplace. For the 2021 model year, the German Tri-star manufacturer has renamed the E-Class as the E450 4MATIC All Terrain Wagon- An appropriate move in an attempt to appeal to potential SUV buyers. It is a seven passenger, all-wheel drive, five door wagon that is powered by a forward mounted engine.

The new MBZ E450 comes with the handling of a sport sedan, the practicality of a station wagon in a more elegant and stylish form, and with its 4MATIC all-wheel drive demonstrating the ability to handle more than simply smooth asphalt surfaces.

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Honda CRV Is A "Best Seller"



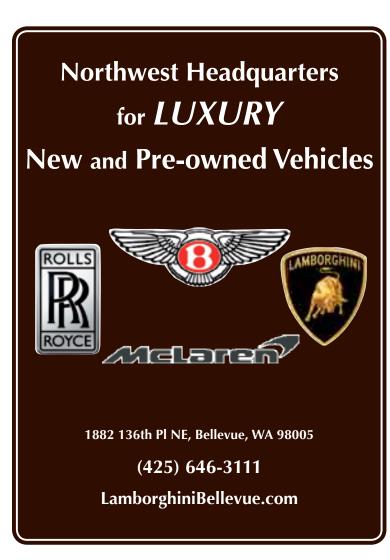
Scot McCallum "Green Car Guy"

The Honda CRV is considered by most to be the best small SUV's on the market today. The CRV has been a "best seller" for over a decade. The 190-hp 1.5 Liter Turbo generates more than enough power when loaded with gear. The CRV offers 36 cubic feet of cargo space with a suggested maximum load of 1,500 pounds and delivers an overall mpg rating of 28 miles.

I found the ride to be quiet and very comfortable. The CRV is available in 5 trim lines the EX, EX-L, HYBRID, LX and Touring. Two engine options include a 1.5-liter 4 Turbo and a 212-hp 2.0-liter 4 hybrid.

Android Auto and Apple CarPlay are available and CRV models range from \$20,050 to \$34,750. If your looking for a small SUV, I suggest you test drive the CRV at you local Honda dealer.







The all-new 2021 **Genesis G80 offers Looks & Capability**



feature writer

The Genesis, the luxury brand of Hyundai, is trying to do to the luxury segment what the past generation of Sonata did to the mid-sized sedan.

Granted the task is more difficult since almost all luxury vehicles come with almost all the new-tech features and styling is exponentially better than average. But the concept is the same:

Make a stylish and noticeable product that offers significant capability for a reasonable, but not cheap, price...Give people a reason to notice both the car and what it offers and compare it to its potential competition... Let those admirers conclude that the other luxury brands are simply charging too much.

Granted the luxury car market doesn't care overly about price, but they absolutely care about value. Since they are affluent, most of them clearly believe they are not easily fooled. Seeing others possessing a car with the style, flair and capability of this new Genesis G80 may hint that they've been had.

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KIA Carnival **Test Drive** Report



Dave Kunz LA feature writer

The poor minivan. People either seem to love them or hate them. Many find that they can't get through family life without one, due to their packaging and versatility. Others say to heck with the attributes, a minivan isn't as cool as an SUV. And certainly not as macho.

Kia has done a clean-sheet revamp of its Sedona van for 2022, and even given it a new name: Carnival. With a sleek, sort of chunky exterior look, it may just turn up the cool meter a bit in the eyes of potential buyers. The macho meter? Probably not; there's only so much they can do in that regard.

The Carnival is very stylish inside as well, especially in the high-zoot SX trim that I tested. Soft leather-like seats, and of course flexible seating for the second and third rows in all trims. You can spoil the kids with individual left and right video screens attached to the backs of the front seats, if the family budget allows, and access to middle and rear most seats is eased by standard power sliding doors.

If you want the latest safety tech

continued on page 17

2022 Ford Maverick **Test Drive**



truck writer

Ford is bringing an all-new truck to market later this year and it's a compact. Resurrecting a model name from the 70s – the new Maverick compact pickup is partly based on the current Escape. So, while its small its also all truck. With this intro Ford is staking out a new segment in the truck market, one that they inadvertently helped create. How so?

It's no secret that traditional half-ton pickups (like the F-150) have grown to oversized proportions in the past two decades. In fact, when the mid-size Ford Ranger returned to the portfolio just a few years ago it was the size of a pre-millennium half-ton. No small truck help there.

Of course, the rest of the industry has been moving virtually in lock-step with Ford as no one wanted to be caught short as it seemed that the market just couldn't get enough of big trucks. Now, we have over-large half-tons from all the manufacturers.

But in just the past few years there has been push-back. A vocal

continued on page 6

Millennials Gain **Buying Clout thru Online Buying**



millennial writer

I recently read two articles this month of November predicting Millennials across the globe to lead a car buying boom in the next six months, writer Alexa St. John of Automotive News and the EY.com staff state.

EY.com stats, which polled 3,300 individuals in nine countries include:

- Almost a third (31%) of people without a car intend to buy one in the next six months
- 45% of those will be Mil-
- Only 6% are looking for an electric vehicle
- Public transport use for work travel especially has declined by 69% from pre-pandemic levels.

Are you ready dealers? Millennials are a comin'! How exciting is this news? Have fun shopping Millennials! I hope everyone finds the car of their dreams. Write to me and tell me what you purchasedeven better—send photos!

Until next time- Happy Holidays everyone!

Summer **Car Shows** in the NW



Mark Smith classic cars writer

One of the magical things about living in the Pacific Northwest is our summers. Days and days of beautiful cool weather with bright blue skies and warm sunshine. It makes the long, dark, wet winters here seem like a distant memory. It is in this weather that all the cars come out to play in the PNW. During the summer, there are all kinds of car shows to attend that feature an extremely wide variety of marques. This summer I attended some of those amazing auto related events.

Western Washington All British Field Meet.

This car show exclusively featured British marques. It was held this year at Saint Edwards Seminary. The long winding road into the park really built anticipation. Once the full field came into view - wow! The 300 cars exhibited was truly impressive. As an example there were several Lotus Europas in attendance!! My first time ever seeing that car in person. There was a Jaguar D type, among the many rows of E type Jaguars. Bentleys, Austin Healy,

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Rick Titus feature writer

Shelby's 2021 Event In Las Vegas

If loud exhaust sounds, smoking tires, wicked looks and lots of people having a great time isn't your thing, then it's good that you didn't attend this year's Shelby Bash. The event was four days of Shelby owners and fans having, as Shelby American President Gary Patterson puts it, "having some damn fun." It's his favorite statement, and he's usually right. "We put our hearts and souls into these products, and we believe their owners can feel it when they're behind the wheel."

Coming together in Las Vegas every year, The Bash is the perfect place to play and enjoy everything wonderful about owning a Shelby, including Cobras, Mustangs, Daytona Coupes and Ford GTs. Every day for four days, the event schedule was filled with activities and sharing. For us, some of the highlights included tearing up the track at the nearby Spring Mountain Raceway, running nearly 150 Shelby models down the Las Vegas Strip and the three evening dinners that were filled with conversations and awards.

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Michelle Hale global correspondent

Hyundai Expands Ioniq Lineup of EV's

Walking car concepts? Awards for human exoskeletons? What's going on with Hyundai? Turns out, a lot. The Korean carmaker, it's Genesis premium brand and sister-brand Kia, are running on all cylinders.

Hyundai Motor Group recently announced the formation of a Silicon Valley-based studio to develop transformer-class "Ultimate Mobility Vehicles," including the remarkable Hyundai Elevate Concept. According to the press release, "The vehicle does not rely solely on wheels and is expected to address challenging driving situations – for example, a car with robotic legs could save lives as the first responder in natural disasters: or, people who do not have access to an ADA ramp could hail a car to walk up to their front door, level itself, and allow wheelchairs to roll right in. Using a combination of robotics and wheeled locomotion technology, Elevate and other vehicles by New Horizons Studio are expected to redefine vehicular

continued on page 19



Harold Allen
Texas feature writer

Ford Offers a Bronco Experience Center Outside Austin, TX

The Bronco experience center which is just outside of Horseshoe Bay Resort is an experience for new owners to get acquainted with their new Bronco. That is the new two door and four door Bronco not the Bronco sport. If you're going to stay overnight and be ready for the next day the Horseshoe Bay Resort is a great place to do it, they also offer shuttles which will take you out to the event and bring you back when it's through.

Arriving to the event it's a huge ranch which offers a large pavilion which encompasses a location for lunch, a Bronco store, a wall with memorabilia about the Bronco from beginning to end in 1996. There is a lunchroom and a meeting place to meet up with your trail bosses.

First, check in and go through a quick quiz from your trail boss about the history of the Bronco, next you head outside to see a Bronco displayed on top of a rock formation and your trail boss explains to you all of the unique

continued on page 7



Joyce Chow entertainment editor

Fisker's Ocean All-Electric (EV) SUV

Fisker's Ocean all-electric SUV global reveal was one of the most anticipated releases kicking off the LA Auto Show 2021. Fisker CEO Henrik Fisker shared insights with Auto News on design, their innovative lease program and the future of the EV market.

The Fisker Ocean's distinct design details were led by the "mission to create the world's most innovative and sustainable vehicles that are also affordable" noted Henrik. He shared insight into two distinct design attributesthe rear dog window and solar roof. Inspired by seeing dogs "sitting on the rear seat with a head out the window" Fisker created "a little doggie window that comes down, and that they can sit and put the snout out". The Fisker SolarSky roof Henrik had thought about for many years since cars sit outside all the time. The Fisker Ocean can be used to recharge other EVs and can be used as emergency power

"We decided that we wanted to really look at young people and

continued on page 8



Nick Ellis
RPM foundation

The RPM Foundation: A Shared Belief

If you're reading this publication, you believe what we believe — that vehicles are more than just a means of getting from one place to another. They're a means for expressing our individuality, an avenue of escape from the everyday grind, an important component of our heritage as a people. Vehicles are a testament to our creativity, innovation, and drive.

And when you share this belief, you also share our concern: who will care for the vehicles we consider so important 20, 50, 100 years from now? The current skilled trades shortage, brought on by a push for all students to pursue a four-year degree, has impacted the vehicle restoration and preservation industry particularly badly. Talk to any restoration shop owner, and they'll tell you a tale of woe related to finding skilled help, entry level labor, and most importantly the next generation to whom they can pass the torch.

This concern, and the need for action, gave birth to the RPM Foundation over 15 years ago. Its

continued on page 8



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EV (Electric Vehicles) News and Strategies





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by Bill McCallum

As I have said before, "I have never met an EV (Electric Vehicle) I didn't like" So opinions used in the Great EV Race story are based on projected EV business models, press releases, and thoughts from some of our fifteen staff contributors. Also see my page 2 editorial "EV Investments VS. Size of the EV Market"

- 1- TESLA will continue to control the EV market both short and mid term and possibly for the next decade.
- 2- Hyundai is currently in second position with their Ioniq brand and EV supply line connections, including global battery factories.
- 3- Toyota/Lexus is testing a Hydrogen Fuel Cell powered EV with over an 800 mile range, growing their fleet of Hybrids, and keeping their future EV plans to themselves unlike other OEM's
- 4- Volkswagen/Audi has EV models in Europe and the U.S. and

- **10 General Motors**

supply chain connections.

5-Ford is moving up the list with an order bank of EV's and investments in U.S. battery factories.

- 6- Honda is keeping their EV plans to themselves but increasing the Hybrid lineup.
- 7- Nissan didn't hit their global goal with the LEAF but with a network of global dealers is still a player.
- 8- Polestar with capital from a SPAC play in the market is growing the brand in the U.S. with more dealers

9- Lucid Air has designed some stylish EV's with industry leading range. May be a player in the race,

10- General Motors - GM has a long history with EV's and battery factories but, problems with the Bolt are causing them to regroup, but they will be back in the race at some point.

The finish line in the "Great EV Race" is still a decade or TWO "down-the-road."

continued from page 3

This 2021 G80 is an all-new platform shared with its sportsute sibling, the GV80. It is a rearwheel drive platform with room for an all-wheel drive system. It is also slightly larger than the Mercedes, BMW, Audi, Lexus and Infiniti models with which it competes.

But it's not the data that are the threat. It's the looks and the satisfaction which comes from driving it. At this point I must make a confession. I own one of these, the G80 AWD 3.5-liter Prestige. That's the one with 20-inch alloy wheels, Nappa leather seats, the 12.3-inch 3D digital instrument cluster, the HUD, and microfiber suede pillars and headliner. Total MSRP came to \$69,195.

The base model, the G80 2.5T, starts at \$48,745, and comes with 18-inch wheels, leatherette seats, piano-black trim, dual-zone climate control, an eight-inch LCD driver information display, front and rear parking sensors, and a pretty extensive suite of safety features that include forward-collision avoidance assist, lane-keeping, blind-spot collision-avoidance, driver attention warning, and smart cruise control with the very excellent Highway Driving Assist II.

The styling is striking. I've been asked numerous times what kind of car this is – and interestingly been asked three times if it's a Bentley. Not a bad day when you're compared to a car costing at least an extra \$100,000. However, more importantly it is surprising how many teenager's heads snap around to look at it. Come on, this is a fullsized sedan, what are kids doing admiring it?

It is probably because it is worth looking at.

Hyundai let the designers have their head, and the result is a sedan with perfect proportions. The hood is correctly long. The roofline flows just right into the body and the appropriate angle. You will know it is right because every time you walk up to the car you compliment yourself one your good taste.

But its more a what's inside. continued on page 6

Auto News Expands Coverage

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

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 expanding this year.

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AUTO NEWS® BYTES

2021 Volkswagen ID.4 RWD receives highest overall safety rating from National Highway Traffic Safety Administration

- Volkswagen's first all-electric SUV receives NHTSA 5-Star overall safety rating
- ID.4 RWD joins VW family of models with 5-Star overall rating: 2021 and 2022 Atlas and Atlas Cross Sport, 2021 Jetta and Jetta GLI, and 2021 Golf and Golf GTI

Volkswagen of America, Inc. announced that the ID.4 RWD has earned a 5-Star overall safety rating from the National Highway Traffic Safety Administration (NHTSA), which runs the government's New Car Assessment Program (NCAP). NHTSA has provided consumers with vehicle safety information since 1978.

The ID.4 RWD joins the 2021 and 2022 Atlas and Atlas Cross Sport, 2021 Jetta and Jetta GLI, and 2021 Golf and Golf GTI as Volkswagen vehicles with a 5-Star overall safety rating. The all-wheel-drive ID.4 has achieved a 5-Star combined rating in the frontal test and 5-star ratings in the side tests. The all-wheel-drive ID.4 is expected to undergo testing for rollover to complete the overall ratings in the near future.

NHTSA's NCAP provides frontal, side crash ratings along with rollover resistance test ratings, all aimed at helping consumers make informed vehicle purchasing decisions. The rating results are relayed to consumers using an easily recognizable star rating system from one to five, with five being the best a vehicle can achieve. For further details, visit https://www.nhtsa.gov/ratings.

To help protect occupants, the ID.4 provides a combination of both passive and active safety systems. It features six airbags as standard front and side airbags for front passengers, and side curtain airbags for outboard seating positions. The ID.4 is also equipped with Volkswagen's IQ.DRIVE® advanced driver assistance technology, featuring handson semi-automated capability. This safety-enhancing technology is designed to help monitor the driver's surroundings and alert the driver of potential obstacles.

With its full equipment package, the ID.4 utilizes a front radar, front camera, two rear radars and eight ultrasound sensors to collect data from the surrounding area, enabling Travel Assist (semi-automated driving assistance); Front Assist (Forward Collision Warning and Autonomous Emergency Braking with Pedestrian Monitoring); Active Side Assist (Blind Spot Monitor); Rear Traffic Alert; Adaptive Cruise Control (ACC) with Stop and Go; Lane Assist (Lane Keeping System); and Emergency Assist (semi-automated vehicle assistance in a medical emergency). About Volkswagen

Volkswagen of America, Inc. is an operating unit of Volkswagen Group of America, which is a subsidiary of Volkswagen AG. Headquartered in Herndon, Virginia, Volkswagen Group of America's operations in the United States include research and development, parts and vehicle processing, parts distribution centers, sales, marketing and service offices, financial service centers, and a state-of-the-art assembly facility in Chattanooga, Tennessee. The Volkswagen Group is one of the world's largest producers of passenger cars and Europe's largest automaker. Volkswagen sells the Arteon, Atlas, Atlas Cross Sport, Golf, Golf GTI, ID.4, Jetta, Jetta GLI, Passat, Taos, and Tiguan vehicles through more than 600 independent U.S. dealers. Visit Volkswagen online at www.vw.com or media.vw.com to learn more.



2022 Ford Maverick Test Drive Review by Howard Elmer

continued from page 3

group had started saying - enough! - we want a smaller truck. Ford is answering with the Maverick; a true compact.

But they aren't the only manufacturer who is listening. In fact, a new player, Hyundai has chosen this year to also bring an SUV based compact truck to market – the Santa Cruz (one that they showed years ago in Detroit—then sat on). It also looks promising as a compact and has gotten positive buzz. However, Ford's entry, the Maverick, is going to be the real catalyst in this compact category; one that will also dive in to. Just watch Ram – that's my prediction.

The all-new 2022 Ford Maverick is the truck for people who never knew they wanted a truck, says Ford. I'm not sure I agree with that statement. But I understand that they expect to draw in new customers to the truck market; however, I really think the bulk of sales will be to current truck owners who will consider the new Maverick right-sized for their needs. So, while size is one thing, Maverick is also aiming at the winning trifecta of low price and decent fuel consumption, which truck choice.

Maverick will be powered by

I expect the other truck builders will also make it the entry-level a hybrid that promises good fuel economy and will be priced to start at \$25,900 in Canada. The fact that

Ford released the price at the same time as the truck news dropped continued on page 8



2022 Maverick Towing a Trailer (photo Howard Elmer)

M/B E450 - 4MATIC All-Terrain Test Drive Report

continued from page 2 Impressive Power

Powering this desirable wagon is a longitudinally front-mounted inline 3.0-liter turbocharged and intercooled, DOHC, 24 valve six-cylinder engine that cranks out 362 horses at 1,600 rpm while developing 369 pound feet of torque at 6,100 rpm paired with EO Boost – a 48-volt hybrid system that replaces the old twinturbo V-6 and Direct Fuel Injection. The starter-generator system can add up to 21 horsepower to the equation. The 9GTronic 9-speed automatic with ECO Start/Stop joins forces in delivering seamless linear energy. Adding to the vehicle's versatility is 4MATIC All-Wheel Drive. There's an EPA-estimated fuel economy improvement over the V-6 of 2 mpg (24 mpg)

Alluring Design

Styling changes represent a refresh that encompasses Mercedes's entire E-class lineup which the prior iteration's wagon didn't. The new power bulge on the hood serves to emphasize the new engine – the main update to the vehicle's modifications which are otherwise primarily cosmetic. The E450 All-Terrain exclusively features chrome trim and plastic cladding. The headlamps, tail lamps, grille, and front bumper designs have been enhanced, but the overall form is unmistakably a familiar one. The long roof signifies that the E450 is indeed a wagon although it is a wagon with S-Class appeal.

Elegant Interior Features

Sliding onto the cockpit, everything feels just right. Sumptuous open-pore wood trim comes as standard fare and there's enough mood enhancing ambient lighting to soothe one's spirit. Rear seats fold and The low load floor makes for ease in loading heavy items. Double 12.3-inch screens for media and driver information displays are now standard, as is Mercedes's Siri-like digital assistant that responds to "Hey, Mercedes." An augmented-reality navigation feature is optionally available and overlays directional arrows and directions onto a camera view of the road. The optional leather seats are both supportive and comfortable, and for an additional \$450 come heated and ventilated. The cargo space is cavernous: 35 cubic feet with the rear seats up, 64 cubic feet when they're down.

As Tested My test 2021 Mercedes-Benz

E450 4MATIC All-Terrain was impressive enough in its base form which started at \$67,600, became even more alluring after factoring in all of the optional equipment and value added packages that included a host of comfort and convenience and safety and security features. The final tally of my Graphite Grey metallic beauty before taxes and licensing with its Nut Brown and Black Nappa leather interior featuring Natural grain Brown Ash wood trim elements came to \$87,770

Can't Do Without Amenities

The list of comfort and convenience features along with the safety and security features is far too long to fit into this review - just think Mercedes S-Class level quality.

ability of a wagon with SUV cues that delivers an exceptionally firm ride on Goodyear Eagle F1 20-inch tires mounted on seemingly delicate 20-inch alloy wheels, the fact that this E450 All-Terrain wagon delivers the goods in spades. It is capable of clicking off a 0-60 mph sprint in a mere 4.4 seconds and hurtling

> Air springs appear at every corner of the All-Terrain, while they were only found at the rear of the old wagon. Paying homage to the SUV styling and to improve ground clearance, the All-Terrain

continued on page 26

Performance

Aside from posing the question

over a quarter mile in 13.1 seconds

despite the fact that it outweighs

the earlier E450 by 123 pounds.



M/B E450 - 4MATIC All-Terrain (photo Arv Voss)

Genesis G80 Test Drive Review

continued from page 5

Underneath the skin lurks serious capability. There are two engines available. The base engine is a 2.5-liter, turbocharged fourcylinder, generating 300-hp and 311 lb.-ft of torque. Stated fuel efficiency is 26 mpg city and 32 mpg highway. This engine is available on all trim levels.

You can opt for the brand-new, twin-turbocharged 3.5-liter V6, producing 375-hp and 391 lb.-ft of torque. That's enough power to accelerate the two-ton sedan to 60 mph in 4.7 seconds. All the while its fuel efficiency is rated at 22 mpg city and 27 mpg on the highway. You can get either engine with either rear-wheel drive or all-wheel drive. All G80s come with an eight-speed automatic transmission.

Genesis has announced the addition of an electric G80 but not the timing of when it will be available in the U.S.

When it comes to driving, one thing that is very noticeable is how much greater the difference is between the driving modes of Eco, Comfort, Sport or Custom. In the Sport mode the shifts are seriously sharper, and at a higher rpm. Also, the steering tightens up and becomes more precise and sharper. Quite fun to drive.

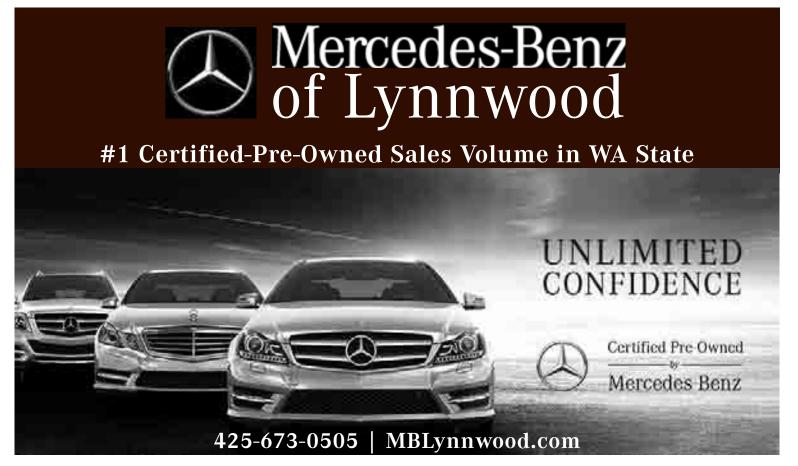
The Eco mode seems even more parsimonious of anything

which consumes fuel. While the engine doesn't seem to lack power, it does seem reluctant to gulp gas unless you really tell it

Inside there are plenty of toys and a huge 14.5-inch horizontal center display. This is something the company worked hard to improve, as the map and navigation weren't competitive in previous models. But now they are, and the display is big enough to handle two fill screens of decent

There are ten cameras providing great information for those unused to using rearview mirrors. Like everyone I enjoy the highdef backup camera, but I really like the pictures which appear in the middle of the left or right portions of the instrument panel showing the appropriate blind spot as determined by which turn indicator is in operation. It is also broad enough to show what's in the next two lanes, particularly helpful when merging into interstate traffic.

There is a host of driverassistance technology including one called Smart Park, which literally parks the car itself. The best of these driver assists is the adaptive cruise control, which when combined with the active lane control basically drives the continued on page 7



TRAVEL the U.S.

Time to Start Traveling "Again"



Ford Offers a Bronco **Experience Center in Texas**

continued from page 4

features of new Bronco. Next you go down to a display area and you'll find a wall of Bronco accessories that they put together for your new Bronco. Now you will experience a huge and I do mean huge section with Astroturf and all kinds of Broncos laid out so you could see all the possible Bronco configurations, it is very impressive. Now you head over to a group of brand-new Broncos waiting for you to take a drive. There are two doors, four doors, hardtops, and soft tops with a variety of equipment. Climb into these new vehicles and they are spotless. You have a few minutes to get acquainted with your Bronco. Each Bronco has a two-way radio so you can stay connected with the trail bosses on the way up the mountain. As you head out you'll find all kinds of twists and turns, rocks, gullies, tons of brush. This very green area is known as Hill Country in Texas. As you make your way to the top of the hill you will encounter many difficult turns and twists, but your trail bosses are there to help you get through and once you get to the top of the hill you'll find an incredible view of the valley. Here you can see how far up you travelled. This top area is used as a turn around to head back to the pavilion. It also has a stopping point to take care of business.

The quality of handling and sta-

bility is outstanding and not one of the Broncos had damage or a flat tire on the adventure. You mount back up and head down the hill, you go through even more challenging trails and eventually you get to the bottom. Once you've arrived at the bottom you figured the day is over, but the trail boss asks if you would like to take hot laps. If you could imagine in these Broncos now the trail bosses do the driving, thank goodness. This is one scary drive but its great fun I mean really great fun. It gives you an idea how rugged these Broncos are. Now you head back to the pavilion, head to the shop to buy some souvenirs obviously to take home and you're on your way.

This is an incredible journey if you're going to buy a new bronco and it is offered to you at no charge you set it up through your dealer who you purchased your Bronco through. This is only for the big Bronco the Two door and Four door (not the sport model). The pavilion has outside benches made from the original bronco tail gates with wood frames.

I know it's something anyone that buys a Bronco should definitely take advantage of. It is your responsibility to get to the event as it is not covered but well worth it. It's also a wonderful place to take a couple of days off while you're down there with your family and let them enjoy the Horseshoe Bay Resort.

Genesis G80 Test Drive Review by David Schmidt

continued from page 6

car, as long as the road has lanes painted on it.

I've driven numerous of these systems over the past decade, and this iteration is significantly advanced and smart compared to many older systems. Worth using even if you don't really get to quit driving.

The base G80 2.5T begins at \$48,745, the 2.5T Advanced at \$53,325 and the 2.5T Prestige at \$57,625. The six-cylinder 3.5T starts at \$60,145, and the 3.5T Prestige at \$66,125. In the interest of openness, I must admit that I actually own a Genesis 3.5T Prestige and I've put a bit more than 5000 miles on it.

Its cabin is elegant and modern with soft and plush materials surround the occupants. The steering wheel includes a multitude of controls, and the transmission is controlled by a rotary shift knob

a la Jaguar. It is convenient, as one only touches it occasionally.

The audio system is up to the standard one would expect of a luxury car, with decent flexibility of match and music with a quality sound. Apple Car Play and Android Auto make users feel right at home with displays and capabilities right off their smartphone.

The windshield and all windows are acoustic glass. That and better door sealing, quieter wheels, and new engine sound insulation make for a relaxing quiet ride.

As is the case with all vehicles made by Hyundai, the warranty is great, with everything covered for five years and the powertrain for 10 years. There are mileage restrictions, obviously, but you get free maintenance for three

The car is getting plenty of rec-

ognition as well. Genesis G80 is the Best Midsize Premium Car in the J.D. Power 2021 U.S. Vehicle Dependability Study. This is G80's second consecutive win in this category in only its second year of eligibility for the study. J.D. Power also named the G80 Best Upper Midsize Premium Car in the 2021 Initial Quality Study.

In other awards, the Insurance Institute for Highway Safety (IIHS) designated the 2021 Genesis G80 executive sedan as a TOP SAFETY PICK+ (TSP+) for 2021.

If a luxury car is on your mind, and you are buying it for what it is rather than what it says, they the Genesis is worth looking at.

Matching Corvettes Contest Drawing

Get 50% bonus chances to score both, compliments of Lingenfelter Performance Engineering!

\$250,000 just to build a classic Corvette? That's right!

If you have the lucky ticket, you'll bring home this custom 1961 Corvette convertible. With a build cost exceeding a quartermillion dollars, you'll be in awe of its frame-off, restomodstyle restoration, which includes master-level silver paint, Flame Red leather-wrapped seats, and cost-is-no-object upgrades from bumper to bumper.

This sensational early-'60s Corvette comes with a 525hp, continued on page 14



The all-new 2021 Genesis G80





RPM Foundation "Vehicles Are a Testament to our Creativity, Innovation, and Drive"

continued from page 4

name short for "Restoration, Preservation, and Mentorship," RPM addresses the issue of locating and supporting the next generation of vehicle restoration professionals through scholarship and program grant funding, skills preservation initiatives, mentoring students and new entries into the field through career services, and our own Apprenticeship and Internship programs meant to provide opportunities for students to earn a living while they learn from masters of the trade.

Since our inception, the RPM Foundation has awarded over \$3.5 million to programs that provide a pathway to careers in restoration and people pursuing those careers. We've received and evaluated hundreds of grant applications, awarding over 350 grants to deserving organizations in 35 states. And we've impacted over 27,000 students through our grant funding and programs.

Our programmatic approach to introducing young people to the

vehicle restoration industry has allowed for the vast expansion of our school/instructor/shop owner network, resulting in relationships with over 150 schools and their associated instructors. RPM's nationwide network of mentors, ambassadors, automotive instructors, shop owners, corporate partners, and private donors has grown exponentially. With that growth comes more opportunities for collaboration and integration.

RPM is leading the charge to ensure the skills needed to support our hobby not only remain, but grow – infusing the current and future generations of technicians with the tools necessary to succeed in vibrant careers in this niche automotive space. By doing this, not only are we ensuring our collective hobby remains strong, but we're inspiring and energizing new enthusiasts every day.

The RPM Foundation is driving the future of the restoration industry. If you believe what we believe, join us for the ride. Visit www.rpm.goundation to learn more.

SEMA 2021 - Wrap Up Coverage

Logistics issues for the automotive industry

If your post-SEMA or wrap up coverage of this year's exciting event requires expert analysis and advice related to navigating the choke points in the global supply chain slowdown, Mike Wagner and Tim Carey of Target Freight are featured at this year's event (booth 11664) and glad to talk to you about these key issues affecting the industry.

Topics include challenges in ports, warehouse capacity, freight, and labor.

Please connect if you'd like to arrange a conversation with Mike or Tim -

Carrie Butler for Target Freight Management

412-897-6177

About Target Freight Management

Target Freight Management, Inc., is an industry leader in Less-Than-Truckload and Full Truckload transportation management systems, empowering customers to ship with confidence. TFM has developed a full range of logistics solutions, from time-saving backoffice applications to their patented FIDA technology, which maximizes carrier space and efficiency while protecting TFM customers from unexpected overages and fees. 2019 marked the fifth straight year a TFM company was named to the Inc. 500/5000 list of the fastestgrowing companies in the U.S.

2022 Ford Maverick Test Drive

continued from page 6

shows how serious they are about cornering this market. Right size, cheap on fuel, low entry price – this could be a winner.

Maverick has the Ford pickup truck "look" including the dropdown side windows and a front end that stretches edge to edge. It looks squat and planted. Despite its size Maverick's upright and squared off shape is great for space efficiency, inside and out. Maverick is offered in three trim levels – XL, XLT and Lariat. An FX4 package will also be available with the AWD XLT and Lariat trucks. This package will offer more off-road capability; all-terrain tires; suspension tuning and additional underbody protection. There is also an electronic AWD drive mode dial with modes like Mud/Rut and Sand, as well as Hill Descent Control.

Maverick will come as a five-passenger, four-door pickup only. That full-hybrid powertrain has a projected fuel number of 5.9 L /100 km/City – or about 800 kms on a single tank of gas.

Maverick's base engine is a 2.5L Atkinson-cycle four-cylinder hybrid powertrain. It makes 191 hp (this number includes the electric motor) and 155 lb.-ft. of torque pushed through a continuously variable transmission (CVT) driving the front wheels. This base package offers 1,500 lb of payload and max tow of 2,000 lb. However, a second optional powertrain pushes that tow number to 4000 lb. That setup features a 2.0L EcoBoost gas engine making 250 hp and 277 lb.-ft. of torque. The transmission is an 8-speed automatic and comes standard with all-wheel drive.

continued on page 14



2022 Ford Maverick (photo Howard Elmer)

INSIDE CHINA AUTO NEWS BYTES

by Bill McCallum

LIUZHOU ACCLAIMED AS CHINA NEW ENERGY AUTOMOBILE CITY THANKS TO 'WULING MODEL': REPORT

"China New Energy Automobile City Liuzhou Template Big Data Report" was released on Oct. 22 at the New Energy Automobile National Big Data Alliance 2021 Summit Forum, in Liuzhou city in Southwest China's Guangxi Zhuang Autonomous Region, according to SAIC-GM-Wuling, a joint venture between SAIC Motor, General Motors, and Liuzhou Wuling Motors.

China New Energy Automobile City has become a new business card for Liuzhou city thanks to the "Wuling Model", an urban new energy development strategy featuring industrial scale, travel facilitation, ecological humanization, environmental protection and low carbonization. From January to September this year, Liuzhou's passenger car electrification rate reached 31.6%, surpassing the country's first-tier cities such as Beijing, Shanghai, Guangzhou and Shenzhen, ranking first in the country.

"Wuling Model" also provides a strategic measure to respond to climate change and promote green development. Through the government-enterprise linkage with SAIC-GM-Wuling, Liuzhou has embarked on an innovative development path in the promotion and application of new energy vehicles, the development of industrial clusters, and the application service ecosystem. Liuzhou, as an important industrial city in southwest China and the country's new energy automobile city, has also appeared on the golden business district outdoor advertising board in North America.

According to the report, as of the end of September this year, the number of new energy vehicles in Liuzhou was close to 100,000, accounting for 10.5% of the city's total vehicle ownership. From 2018 to 2020, the electrification rate of passenger cars in Liuzhou was 19.9%, 24.7% and 28.8%, respectively. From January to September 2021, the electrification rate of passenger cars rose to 31.6%. Liuzhou ranks first in the country among the top 30 cities in the country with a cumulative total of new energy vehicles.

The automobile industry is the first pillar of industry in Liuzhou, with an annual output of more than two million automobiles.

Five out of every 10 small new energy vehicles in the country are from SAIC-GM-Wuling, according to the "China's New Energy Automobile City Liuzhou Model Big Data Report". The average monthly launch rate of SAIC-GM-Wuling small new energy vehicles reached 96.33%, higher than the national average of 78.75%.

SAIC-GM-Wuling GSEV series products have won first place in the market satisfaction of pure electric mini/compact cars in the 2021 China Automotive User Satisfaction Index evaluation due to their excellent product capabilities and precise market positioning.

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

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 eSE – a special chip for storing encryption keys for secure communication between the vehicle, mobile devices and a dedicated back end. The chip thus enables user-friendly solutions for unlocking and starting a vehicle and protects the communication of the vehicle against attacks by hackers.

Joyce Chow's Interview with Henrik Fisker

continued from page 4

how to get them into more sustainable, clean green cars...we came up with the idea of a flexible lease, we can lease a vehicle and give it back anytime you come back after a month, six months, nine months, whatever you want, and when you give it back to us, and by the way, it's financed by a company that we own, so it's not going on your credit...When you give the car back to us, we recondition it, and we lease it out somebody else for a slightly lower price. We keep doing that for 12 years for the life of the car" according to Henrik.

"I think in 2030, we have gone pretty much full EV. We will still see some gasoline cars getting sold, but I think a majority of vehicles getting sold in 2030 will be EVs. I think in five years you're talking about 2027 we'll be well on the way, I think there'll be at least a third, maybe half of all vehicles being sold, it's going to be EVs. There's a few countries in Europe, that will ban the sale of gasoline and diesel cars, one already in 2025...so I think when you start seeing these take effect, you will suddenly see an acceleration" shared Henrik.

The push for more electric vehicles is coming sooner than later, and if Fisker leads the pack, the future looks more sustainable.





Around the Track – Racing News



WeatherTech Raceway Laguna Seca prepares to celebrate Anniversary in 2022

When the green flag waved on Nov. 9, 1957, for the Eighth Annual Pebble Beach Road Race, those in attendance had no idea that the freshly-paved race track quickly carved into the hills of the U.S. Army's Fort Ord would evolve into WeatherTech Raceway Laguna Seca and become a world-renowned road course with legendary status. Sixty-four years later, the race circuit remains the heartbeat of Monterey County's Laguna Seca Recreation Area.

As WeatherTech Raceway enters its 65th race season in 2022, it's come a long way from when Pete Lovely – a future Formula One racer and owner of Pete Lovely Racing in Fife, Wash. - took Laguna Seca's inaugural checkered flag behind the wheel of his 1956 Ferrari 500 Testa Rossa all those years ago.

The track has seen many legendary performances in its six-plus decades. Among those who have dominated the asphalt is one of the greatest motorcycle racers of all time – who loved the Monterey area so much, he moved here.

Wayne Rainey won three straight World Championships between 1990-92, while also capturing three U.S. Grand Prix wins at WeatherTech Raceway between 1989-91. The sweeping downhill left-hander through Turn 9, or the Rainey Curve, is named in honor of Rainey – who serves as the president of MotoAmerica, which will present one of the premier events on the 2022 schedule.

"Winning my three U.S. GPs at Laguna Seca was obviously very special to me because there's nothing like winning your home Grand Prix in front of family and friends," Rainey said. "After my retirement from racing motorcycles, I was honored when the track named turn 9 'Rainey Curve.' Now, as president of MotoAmerica, I get to return to the track every year as it plays host to one of the premier events on our schedule, and it's a race I always look forward to."

In addition to having a part of the track named for him, Rainey's likeness also has a permanent installation with a larger-than-life piece of art depicting his racing days at WeatherTech Raceway visible as guests enter the facility on "A" Road.

"No race track or place in the world brings about the same feelings that I get every time I drive up the hill into WeatherTech Raceway Laguna Seca," Rainey said. "When I raced here, I had so much confidence. I loved the track, the fans and the Monterey Peninsula area. Initially, it was my home race because it was the site of the U.S. Grand Prix, but it actually became my home race when I moved my family to the Monterey Peninsula in 1992.

The second chapter

Rainey's dominance began right as the second chapter of the race track was being written. After maintaining its original form for the first 30 years of its existence, in 1988 the track was extended from its 1.9-mile setup to the 2.238-mile version that fans and drivers alike celebrate today. One of the most famous turns in all of motorsports essentially remains today as it was in 1957 – The Corkscrew – which drops six stories in just 450 feet of asphalt.

The original intent was that the lengthened circuit would be utilized for motorcycle racing, and race cars would continue to use the original track setting with its fast, long exit from Turn 2 to what is now Turn 5. There is still a portion of the original left-hand curbing visible in the Hagerty Marketplace where the likes of the ground-pounding Can-Am cars kept the throttle fully engaged. It was joked that if someone missed the next turn (today's Turn 6) the car would end up in downtown

However, prior to the 1988 Indy Car race, Mario Andretti drove both configurations of the track and insisted that Indy Car utilize the full 2.238-mile lap, especially the hairpin, as it offered a great passing opportunity.

The rest is history, and the man who made the permanent change happen had the Turn 2 Hairpin named for him upon his last race and retirement in Monterey in 1994. He still returns to give twoseater hot laps to lucky race fans during the Firestone Grand Prix of Monterey.

Andretti isn't the only INDY-CAR driver to leave a legacy at WeatherTech Raceway. Bobby Rahal was a mainstay at the top of the podium in Monterey, winning multiple times throughout the '70s and '80s as a driver, and then as a two-time winner in the late 1990s as the car owner for Bryan Herta.

Rahal's pass of Andretti in the 1986 Indy Car race, on what's now known as the Rahal Straight, propelled him to his third of item victories at WeatherTech Raceway.

The family legacy has been continued by Bobby's son Graham, a 14-year INDYCAR veteran, competing at the track in recent years. More than just a race track

Since its inception, Weather Tech Raceway has seen more than just racing action. The Grateful Dead performed at the venue in Mav 1987, and Pope John Paul II visited later that year. The Sea Otter Classic, one of the largest multi discipline cycling festivals in the world, is held here annually. There have been weddings at the Corkscrew, and in 2020 the graduation ceremonies for local high schools were held amid the pandemic and ended with a lap on the track.

"This is a special place – and not just for racing," said John Narigi, president and general manager of WeatherTech Raceway Laguna Seca. "Entering our 65th season, it's important to remember that we also have Laguna Seca Recreation

Area, which offers incredible hiking, biking and camping on a year-round basis. There are many reasons this multiuse facility is special, and as we head into the future, we will continue to invest in bringing more exciting events here for the entire community to enjoy.'

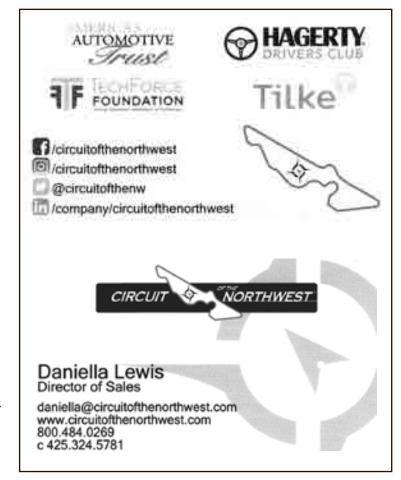
The beautiful destination complements the Laguna Seca Recreation Area. "We are fortunate to be located minutes away from a thriving destination of rich farming land and wineries throughout both the Carmel and Salinas Valleys and the coastal towns of Monterey, Carmel-by-the-Sea and the ruggedness of Big Sur," Narigi added.

To celebrate the 65th anniversary, the 2022 premier event schedule begins with the Trans Am Speedfest April 22-24, followed by the IMSA WeatherTech

SportsCar Championship featuring the Hyundai Monterey Sports Car Championship April 29 - May 1.

The summer schedule includes the GEICO Motorcycle Moto-America Superbike Speedfest July 8-10, the AHRMA Classic Motofest of Monterey July 15-17, the Monterey Pre-Reunion August 13-14, the Rolex Monterey Motorsports Reunion August 17-20, and the FirestonGrand Prix of Monterey featuring the NTT INDYCAR SERIES finale September 9-11. Concluding the 2022 season is the Velocity Invitational, October 14-16 (TBC).

New ticket packages, from single day to comprehensive VIP packages, will be available Dec. 1 by calling the Tickets and Accommodations specialists at 831-242-8200 or by visiting www. WeatherTechRaceway.com.





Toyota's C-HR Compact SUV Test Drive Report by Sally Hanson

continued from page 2

which is less than a Toyota Sienna minivan, it's hard to understand the acronym that includes "high rider". Toyota more accurately describes their C-HR as a blend of a sport coupe, hatchback and compact crossover.

The name of the Nightshade Edition of the C-HR is easy to understand. This model comes standard

with a black chin spoiler, black 18 inch sport alloy wheels with black lug nuts, black roof, black interior with gun metal trim, black front and rear wheel spats, black outside door handles with hidden-type design rear door handles, black outside front and passenger door handles with touch sensor lock/ unlock feature and black badges.

The Toyota C-HR is powered

with a 2.0L, 4 cylinder engine which offers ample power driving around town, but lacks energy when trying to accelerate quickly. At this point, the engine revs while waiting for the continuously variable automatic transmission with intelligence and shift mode (CVTi-S) to kick in and provide the intended forward thrust. Mileage estimates are 27 mpg city/31

mpg highway. The C-HR is a front wheel drive vehicle which offers stability in low traction conditions but not the capability of a vehicle intended for off-road adventures.

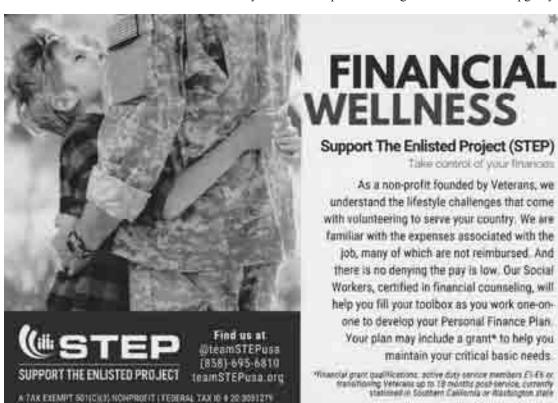
Some great features that Toyota has included are heated door mirrors, side indicator lights on both driver and passenger mirrors, an 8-inch touch screen for audio multimedia, and an integrated back up camera. The hidden door handles for the rear doors are high on the doors, which I found not only attractive but easy to use and quick to adjust to their location.

Offering a seating capacity of five, the driver and front passenger seating is comfortable even for a six-footer — but the three back seat occupants will need to like each other! The rear cargo door is an easy to operate lift gate that opens to 19 cubic feet behind the second row seats or 37 cubic feet behind the front row. A cargo area cover comes with all C-HR models.

Toyota's C-HR is not a SUV you'll use to trek up a mountain side or drive through a sand dune, but it is a sporty, utilitarian and finely designed vehicle.



Toyota C-HR Compact SUV (photo Sally Hanson)





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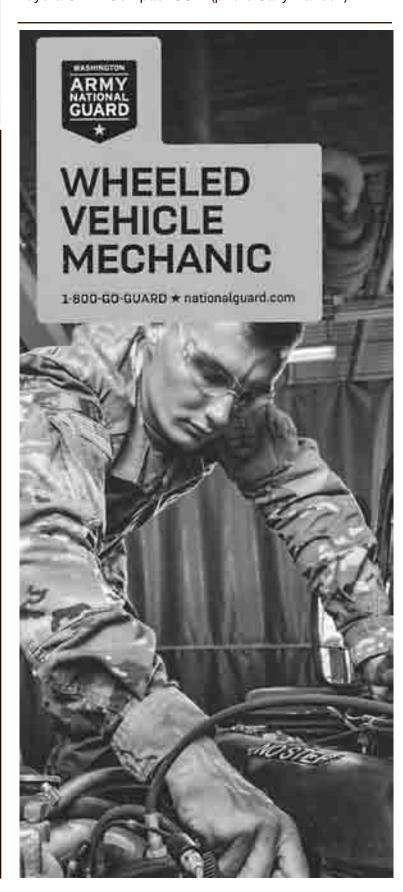
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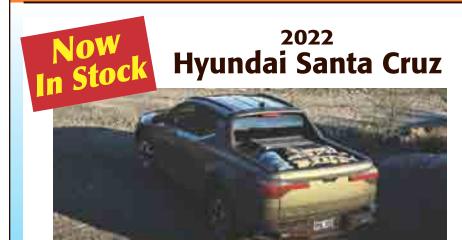
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Hyundai is now offering factory-scheduled free maintenance on new vehicles for three years or 36,000 miles. · Offering complimentary maintenance, specifically of this length, is unusual for non-luxury manufacturers.

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.



Tripadvisor® Ranks Newport Car Museum Among Top 10% of Attractions Worldwide

Tripadvisor®, the world's largest travel platform, has recognized the Newport Car Museum in Portsmouth, R.I. as a Travelers' Choice™ Award winner for a second consecutive year and further distinguished the Museum as ranking among the top 10% of attractions worldwide in 2021.

"We have our incredible staff and docents to thank for this," said Newport Car Museum Founder Gunther Buerman, "and of course we thank our fans from around the globe for spreading the word about their positive experiences here. If there is an overriding theme in the reviews, it's that this is a happy place where everyone is welcome. The Museum's design appeals to all, not just automobile enthusiasts; it's an art gallery, not a spruced-up parking garage."

Gordano Buchanan and her family from Brooklyn, N.Y. inspect one of the Newport Car Museum's recent additions: a 2014 McLaren P1. Tripadvisor has ranked the Museum among the top 10% of attractions worldwide. (Newport Car Museum photo) Ctrl+Click to download high resolution photos Said Tripadvisor's Chief Com-

mercial Officer Kanika Soni: "I know the past year has been extremely challenging for tourism businesses. The Travelers' Choice Awards highlight the places that are consistently excellent—delivering quality experiences time and time again even while navigating changing customer expectations and new ways of working."

The Newport Car Museum first opened its doors in 2017 and won almost immediate recognition from USA Todav as one of America's 10 Best New Attractions. The count for the Museum's private collection of rare and coveted cars has grown to over 85, and the visual art galleries for these now number six: one each for World Cars, Corvettes, Ford/Shelby, Fin Cars, Mopars, and American Muscle Cars. In addition, visitors enjoy an equally fascinating Gift Shop, sometimes referred to as "the Seventh Gallery," and a recently added Pop-Up Porsche Exhibit in the Museum's Thunderbird Ballroom.

Upcoming Fall events at the Newport Car Museum's iconic "Big Red Building" include: Hoods Up Weekend (September 11-12, October 9-10, November

13-14), where engines on all the Museum's cars are revealed for inspection; AutoFest 2021 (Sunday, October 3), with over 500 show cars, vendors, food trucks, music, valve cover racing, and more; German Car Weekend (October 9-10), where those showing their German car keys at the door receive admission discounts; and five different car club visits, where the public is invited to join gatherings of like-minded car lovers in the Museum's massive parking lot (where parking is free).

All events are posted on www. newportcarmuseum.org and on Facebook and Instagram.

The Newport Car Museum's iconic "Big Red Building" is hard to miss on West Main Road near Newport, R.I. Ctrl+Click to download high resolution photos

The Newport Car Museum is handicap accessible and hours are daily 10 a.m. to 5 p.m. Tickets can be bought at the door or online at www.newportcarmuseum.org (401-848-2277). Regular admission: \$18/adults; \$15/Seniors, Military, Students; \$8/Ages 5-15 (with an adult); Free/Ages 4 and under (with an adult).

70th Pebble Beach Concours d'Elegance Charitable Donations Exceed \$2 Million

Throughout Its History the Event Has Raised Over \$32 Million to Help People in Need

Pebble Beach Company CEO David Stivers (center) and Pebble Beach Company Chairman Sandra Button (beside him) with Concours charity representatives (1 to r): Dr. Steve Packer of Montage Health; Dr. Jeff Bass, guest, and April Ritchie of Natividad; Kevin Causey of Montage Health; Steve Emerson of United Way Monterey County; Ron Johnson of Boys & Girls Clubs of Monterey County; Carol Bishop of Kinship Center; Gina Nucci of Boys & Girls Clubs of Monterey County; Nicki Pasculli of Kinship Center; Adrienne Laurent of Salinas Vallev Memorial Healthcare System; Katy Castagna of United Way Monterey County; and Jeff Wardwell of Salinas Valley Memorial Hospital Foundation. (Photo: Sherman Chu/Pebble Beach Concours d'Elegance)

The 2021 Pebble Beach Concours d'Elegance raised over \$2 million for charity—a figure on par with funds raised in pre-pandemic years.

The full amount, a total of \$2,089,450, was announced today by Pebble Beach Company CEO David Stivers as these funds were

distributed to the event's charitable partners—and he stressed that these funds stay local.

"The Pebble Beach Concours and Pebble Beach Company are synonymous with excellence, and both have long supported local charities on the Monterey Peninsula and across Monterey County," said Stivers. "The Concours, under the leadership of Chairman Sandra Button, has raised over \$32 million for local charities since its inception."

Through Pebble Beach Company Foundation, its primary charitable partner, Concours funds benefit more than 95 of the region's best youth-focused non profits, impacting the lives of more than 10,000 children each year. Several charities, including the Boys & Girls Clubs of Monterey County, Kinship Center, Montage Health, Natividad Foundation, Salinas Valley Memorial Healthcare System and United Way Monterey County, also benefit directly from Concours Charity Drawings.

"We're thankful for all of the people who continue to gather at Pebble Beach to celebrate cars and raise funds for people in need—and continued on page 13

VW Tiguan Takes Center Stage at the Seattle Auto Show

The recent Seattle Auto Show Program describes the 2022 VW Tiguan ".... as refreshed for 2022 with new styling and technology. The Tiguan sharpens its iconic look with a completely revised front end. A distinctive bumper and a broad grille are complemented by standard LED headlights and daytime running lights and can be accented further by an available illuminated light line flanking the VW logo. Inside the Tiguan boasts updated technology throughout

its cabin. The Volkswagen digital cockpit now comes standard with an 8-inch display and a 10-inch digital cockpit Pro is available. Heated seats are now standard, with heated steering wheel and ventilated front seats available."

Our test drive model was priced at \$ 29,495 and powered with a 2.0-liter TSI engine mated with an 8 speed Automatic Transmission. King Red Metallic is a popular color for 2022. The 2022 VW Tiguan deservers a look.



2021 VW Tiguan (photo Auto News)



All New Toyota Sienna Hybrid Adds To Toyota **Hybrid Lineup**

The Toyota Sienna Van is only available in a Hybrid this model year. And it rounds out Toyota's portfolio of hybrids. Toyota has been the leader in hybrid technology with the introduction of the Prius over two decades ago.

Some industry experts feel the future transportation in the U.S. is based on hybrids powered with hydrogen fuel cells. If that's the case Toyota is in the "drivers-seat" based on their history.

The Toyota Sienna base price ranges from \$34,480 to \$50,460

depending on options. With a 36 mpg overall rating the Sienna is a value if you have a large family and enjoy those weekend road trips.

The Sienna has a 2.5 liter 4 hybrid engine producing 245 hp mated with a CVT transmission.

Android Auto and Apple Car-Play are compatible. Hands free sliding doors make it easy for third row entry if you have a large family. The all-new Toyota Sienna Hybrid deserves a look if you are looking for a "fun-to-drive" people mover. (See photo Below)

TOYOTA SEQUOIA 4X4 NIGHTSHADE



Toyota's "Big Daddy" SUV is still as popular as it was when it was introduced. Lots of room, power, extras and fun to drive.

BASE PRICE: \$63,345 * TYPE: 3 Row SUV **ENGINE: 5.7 LITER IFORCE V8** TRANS: 6-speed AT HORSEPOWER: 381 hp

MPG: 17 hiway

Auto News Writer Mark Smith Reports on NW Car Shows and Plans for 2022

continued from page 3

Rolls Royce, Jensen, TR6s, MGs and a large group of vintage Land Rovers were all in attendance. All displayed beautifully on the vast lawn with the stunning Seminary as a backdrop.

AvantsFest 2021.

Avants is a driving focused car club currently based in Seattle and Denver. This club is extremely active with all kinds of events and a fabulous quarterly magazine. The 2021 season of events culminated in AvantsFest at Pacific Raceway. This event featured a paddock style car show and racing on the road course. This event also featured an incredibly diverse attendance, although the focus is mostly on newer "drivers" cars. Here we saw such rarities as the Renault Alpine and a Ford GT40.

Radwood PNW.

Radwood is a new car culture phenomenon. This event featured automobiles from the 1980s and 1990s. It is great to see this generation of cars get some love. This event was held at Dirtfish, the rally driving school. Although this show was held on a rainy day, that did not dampen the spirits of the attendees or the number of cars showing. The show was split into two, one part of the show held inside of a dilapidated barn of a building and spilling out into the adjacent parking lots. Another staggering amount of variety at this show. All the way from the lowly K car to rare Japanese Kei cars and everything in between. This show is really fun and has a

lot looser vibe than most shows. People dress in period costumes - it really is a riot. They have Radwood shows all over the United States. I recommend checking them out!

Goodguys

The classic hot rodding event is a must attend for anyone into American muscle cars, hot rods, customs and especially high dollar builds. This show takes over the Washington State fairgrounds and the sheer number of cars is mind blowing. Hundreds and hundreds of cars. The event spans over a weekend and it takes almost three days just to see all the cars on exhibit.

Cars and coffee at The Shop Seattle. This "country club for gearheads" is one of my favorite

cars and coffee locations. Every Saturday morning a different type of vehicle is featured - Erotics, manual shift only, Italians, Porsche, Overlanders, project cars, the list goes on and on. The Shop is a genius business - storage for collectables, the Derby bar and restaurant, and all kinds of automotive related services for the members. For the nonmember, you can schedule a tour of the storage facility which I highly recommend. Like the shows above the variety of rare and collectable cars is a gear heads dream. If you are in Seattle - go check it out!

As the rainy season sets in, I will be planning my car show schedule for next summer!



Western Washington All British Field Meet 2021.



70th Pebble Beach Concours d'Elegance **Charitable Donations Exceed \$2 Million**

Throughout Its History the Event Has Raised Over \$32 Million to Help People in Need continued from page 12

we're also grateful for the organizations that make certain these funds get put to good use in our community," said Button.

Button also made special mention of the generous sponsors who supported concours charities by donating new cars: Genesis donated a 2022 Genesis GV70 3.5T AWD Sport; Infiniti donated a 2022 Infiniti QX Luxe AWD; Lexus donated a 2022 Lexus NX F Sport; and Mercedes-Benz donated a 2021 Mercedes-Benz GLE 250 SUV. Via the Concours Charity Drawings. these vehicles went to winners in Pinole, Salinas, Port Hueneme, and Seaside, California.

The 71st Pebble Beach Concours d'Elegance will take place on Sunday, August 21, 2022, and will celebrate Lincoln, Le Mans and Talbot-Lago Grand Sport, with additional special classes to be announced soon. For more information on the Pebble Beach Concours, or to purchase tickets, visit www. pebblebeachconcours.net.



Win Two Matching Corvettes!

continued from page 7

fuel-injected V-8 engine, a sixspeed manual gearbox, power windows, steering and brakes, a Corvette Correction chassis, air conditioning, adjustable coilovers and specially selected performance Continental tires on 19-inch Budnik wheels. Less than 100 miles have been put on this classic Corvette since its restoration was completed in 2020.

And that's not all you'll take home! The Lingenfelter 2021 Corvette Stingray delivers nearly 600 hp. We're waiting on verified performance stats, but here's a teaser for you. The stock 2021 Corvette blasts from zero-to-60-mph in 2.8 seconds, through the quarter-mile in 11.2 seconds at 122 mph and brags a top speed of over 190 mph. Even with all that power, the new Corvette gets 15 mpg in the city and 27 mpg on the highway.

Enter to win both now. Plus, we pay the taxes so you don't have to! Veterans' and children's charities are counting on you. ENTER TO WIN AND HELP CHILDREN IN NEED AND **OUR VETERANS!** DREAMGIVEAWAY.COM or

use code LE0921C **2022 Ford** Maverick **Test Drive**

call toll free 866-600-0646 and

continued from page 8

Review

Out back Maverick offers what's being called a FLEX-BED system. The bed is 4.5 feet long, however the tailgate can add to that length (for a total of 6-feet). It also has a multi-position tailgate that can act as a support for long items like plywood. The bed also has slots to use lumber for subdividing the bed, 10 anchor points, two 12V-20 Amp outlets in the bed (pre wired for owners DIY uses) plus two fixed 110V outlets. The bed floor and sides are also conveniently low, so almost any adult can reach over and grab items off the floor.

Maverick will offer lots of technology, including an 8-inch touch screen with Apple Car-Play and Android Auto. Also, standard is FordPass Connect with an embedded modem and Ford Co-Pilot360 technologies like Automatic Emergency Braking and Automatic High Beam Headlamps. Other safety features included standard Pre-Collision Assist. Optional systems will include Adaptive Cruise Control with Stop & Go, Blind Spot Information System with Cross-Traffic Alert, Lane Centring and Evasive Steering Assist.

The interior design appears to have thoughtful storage features along with reasonable passenger space. That's what I can see from the photos. Past that observation I'll have to wait to get into a test unit and see how I fit. That should be this summer.

The 2022 Ford Maverick goes on sale this fall. The build and price website is live at Ford.ca and orders can be placed today.

SHOWCASE REVIEWS

ACURA MDX SH-AWD



The Acura MDX has a new design for 2022 and is packed with new technologies including True Touchpad Interface and 10 safety features.

BASE PRICE: \$57,100* TYPE: SUV **ENGINE:** 3.5 Liter VTEC TRANS: 10 Speed AT HORSEPOWER: 290 hp MPG: 25 hiway

GENESIS GV70 SPORT PRESTIGE



Genesis continues to add new models to it's lineup. The GV70 is a "best value" in the luxury SUV class and deserves a look.

BASE PRICE: \$52,600* TYPE: SUV **ENGINE: 3.5L V6** TRANS: 8 speed AT HORSEPOWER: 375 hp MPG: 25 hiway

HONDA RIDGELINE AWD SPORT



The Honda Ridgeline has been refreshed and offers extra space with the crew cab. A popular seller for those looking for a compact truck.

BASE PRICE: \$36,490* TYPE: Pickup **ENGINE:** 3.5 liter VTEC TRANS: 9 speed AT HORSEPOWER: 280 hp MPG: 24 hiway

HYUNDAI TUCSON LTD HYBRID



Hyundai offers the N line and a hybrid to the Tucson line up with SMART SENSE SAFETY FEATURE SAFETY FEATURES in all models.

BASE PRICE: \$37,350* **TYPE:** SUV Hybrid **ENGINE:** 1.6L Turbo GDI TRANS: 6 speed AT HORSEPOWER: 261 hp MPG: 36 hiway

TOYOTA COROLLA HATCH BACK



The Toyota Corolla continues to be the leading seller in the Toyota lineup and with the new design of the hatch back they will hold that record.

BASE PRICE: \$24,865* TYPE: Sedan ENGINE: 2.0L 4 cyl **TRANS:** Sport Drive **HORSEPOWER:** 169 hp MPG: 38 hiway

TOYOTA RAV4 HYBRID



The Toyota RAV4 started the movement to compact SUV's in the U.S. and is still the "top seller." The hybrid deserves a look.

BASE PRICE: \$37,030* **TYPE:** Compact SUV (hybrid) ENGINE: 2.5 Liter **TRANS: ECVT HORSEPOWER:** 219 hp MPG: 40 mpg (combined)

* All information listed "AS TESTED"

autonewsonline.com/showcase reviews

LEGENDS, LENO, and Jay Leno Comedy Show-Feb. 20th in Palm Springs, California 40YEARS of AUTONEWS



Mark Fields, former Ford C.E.O. was Founding Member of Legends of Auto

continued from page 1

On August 18th, 2022 we will celebrate the 10 year Anniversary of LEGENDS OF AUTO during Car Week in Monterey, California. Legends of Auto was created with the help of Mark Fields (former CEO of Ford) and Bert Boeckmann, Founder of Galpin Auto Group. The idea was to create an event honoring individuals from all segments of the auto industry with the mission statement "To recognize and award individual accomplishments, that have significantly advanced the auto industry around the world and to help develop the next generation of auto industry leaders.'

We hope you will Join us as to continue our journey and look for our next issue where we will announce some of the Legends to be honored on August 18th, 2022 in Monterey, California. Travel safe.

(See additional photos on page 26)





Drager adds more space for events

Auto News Planning 40 Year Anniversary Event at Drager's in **Burlington Location in Q2 2022**

Drager's Classic Sales and Collector Car & Motorcycle Collection's move from Lynnwood, WA to their new 20,000 square ft. facility in Burlington, WA has been a family affair. Jeri and his wife Joan (see photo) organized the move. While their son Andrew and his daughter Jannah did some of the heavy lifting during the move. Jeri's remodeling team lead my manager Mike started the remodel back in February 2020. The facility is open by reservation during the Covid-19 crisis but they are starting to book reservations for 2021 events. With a inhouse kitchen that can handle service for up to a 500 person event, they will be ready-togo in 2021 when restrictions ease up. They have already had a small car group, "Horsepower Chrome and Rust Kreepy Kruise" have an

Jeri Drager, a West Coast Icon,

in the collecting and selling of motorcycles, cars, and trucks started working in the family business in 1959. Otto, Jeri's father and his wife started the family business in 1934 with a Harley Davidson store in Aberdeen, WA.

As the Harley Davidson business grew Otto moved his motorcycle business to Bremerton WA and then Seattle, WA. Jeri moved the business to Shoreline, WA. 20 vears ago and added an automotive & motorcycle museum and an event center. This Spring Jeri moved the business North to Burlington, WA. to an all-new 20,000 sq. ft. facility (see photos) which is now open by appointment.



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Featured Vehicles



1958 Pontiac Chieftain 2 Door Hard Top DGC3206



1942 Chev Red PU DGT39NV

350ci V8. Edelbrock intake. Performance headers. Turbo 350 AT.

rear. Mustang 2 front clip. It drives great. The interior is trimmed

matching lap belts, while the door panels are finished in similar

Power steering. Power disc brakes on the front drums on the

with a reupholstered two-tone gray vinyl bench seat with

I sold this Pontiac way back around 1986 to Olav Lunde a local business man. I bought it again in 2018 and sold it and I just bought it again just now. It runs and drives as good as it ever has. It's in the same condition as when I sold it last. It's not show car but you will get lots of thumbs up. PRICE \$27,500



1949 Chevy Fastback



1967 Chevy Red Camaro RS/SS DGC7014



1957 Chevy Custom Bel-Air 2 Door Hard Top \$39,500



Price \$39,500



1951 Ford V-8 AT. PS



1947 CHEVROLET WOODY



1954 Linclon Capri DGC623H

event on Halloween.



Cold blowing Factory Air



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

Monika Kalenski – MEK Magnet Chanterria McGilbra - Prancing Ponies Elena Cortesi - Ford Comm. Mgr. Muffy Bennett - Car Collector Jennifer Biggs - Repair Shop Owner Carolyn Jackson - VP Brand Strategy Barrett-Jackson Joyce Chow - Social Media Mogul 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 - Hvundai N. America

JENNIFER BIGGS - owner of Biggs Eastside Rover operates her full-service shop with help from her daughter Abbie Biggs

Biggs Eastside Rover is owned and operated by Jennifer Biggs with help from her daughter Abbie, (see photo) Their fullservice shop is conveniently located at 12700 Bel-Red Road in Bellevue Washington. Biggs Eastside Rover serves the entire Seattle Metro area and Western Washington. They specialize exclusively in Land Rover and Range Rover service and you can

expect the best quality of service available for Land Rovers in the entire Northwest.

The shop has an OPUS diagnostic system with all the latest software, capable of everything the Dealer's Test Book can do and more, even on the newer models. Unlike many independent shops. They also carry a full line of factory equipment and replacement parts. All the technicians are Land

Rover factory, ASE, and ASA certified.

Biggs Eastside Rover is truly the "dealer alternative," and a family owned business.

For more information log onto www.biggsrovers.com and look for the Biggs Eastside Rover ad in the Auto News Service Directory. (See page 23)

Jennifer Biggs with her daughter Abbie Biggs (20 years old). Currently attending Washington State University. Works at the shop over summer and school breaks. Helps with customers, invoicing, answering phones, learning about parts and inventory, also Land Rover repairs.



Lexus UX200 F Sport Test Drive Report Sport, and Luxury at a Budget Price

quality, with the same perforated leather as the seats, and fine touch materials lining it. It seems that Lexus paid a lot of attention to the aspects of the vehicle that you would constantly touch while designing this car. The rest of the dashboard however, I would say is not quite up to Lexus's usual standards. The dashboard felt

cheaper, and the controls beneath the infotainment screen were not laid out in an intuitive manner. I didn't mind the trackpad as much as others, but the odd positioning of the volume control left more to

Driving the UX200 is fun, but by no means powerful. In terms of power, the UX200 has a 2.0L VVT-i power plant, pushing out 169hp and taking you from 0-60 in 8.9 seconds. As a result though, the UX200 has impressive fuel efficiency numbers reaching 29 mpg in the city, and 37 mpg on the highway, for a combined 32 mpg. I attribute a lot of the enjoyment of driving the UX200 to the suspension, and the 10

speed algorithm programmed into the CVT transmission. The suspension is firm, making mountain drives and corners a blast; and I was thoroughly impressed with the 10-speed algorithm mated with the paddle shifters as it made shifting feel almost like the UX200 had a dual clutch transmission.

At the end of the day, I would say the UX200 is great for a yuppie with an active lifestyle that lives in the city. It's functional, has prestige, reliable, is easy to park, and gets great gas mileage. So if you're in the market for an economical car that is "a step above", make sure you check out the UX200.



Lexus UX200 F (photo Auto News)

Mecum Displays Kissimmee Feature Cars



Mecum presents Kissimmee feature cars at Monterey Press Event (photo Auto News) See Back Page Ad



KIA Carnival (photo Dave Kunz)

KIA Carnival Test Drive Report by Dave Kunz

continued from page 3

(an important attribute for those with young kids, obviously), Kia has done a good job in that regard. Most of the systems you really might want are standard in all trim levels, notably forward collision avoidance, and rear cross traffic avoidance. Another nice one is called Driver Attention Warning, which as its name suggests, is able to detect if a driver is getting drowsy.

Like most minivans, there's only one powertrain available, in this case a 3.5-liter V6 making 290 horsepower, mated to an 8-speed automatic transmission. If you're looking for all-wheel drive or hybrid power, you'll have to look elsewhere. Neither are available on the Carnival, but obviously Kia knows how to build vehicles with those things, so they could update this one in the coming years if they so choose.

Need to tow? The Carnival is rated to pull 3,500 lbs, so that means a small boat or small travel trailer. Kia also claims best-inclass interior space and cargo space, so it would seem that this new minivan (excuse me, "Multi Purpose Vehicle," as Kia prefers to label it) is well suited for vacation travel.

The base LX model starts at just over \$32,000 with destination, and my SX test vehicle came in at just a tick under \$43,000, at that price really wanting for nothing. Even, to a degree, coolness.

McCormick's **November Auction Results**

With a total of 365 cars, trucks and motorcycles crossing the auction block, the latest McCormick Palm Springs collector car auction set a record breaking 82% sales rate

Sales totaled \$7,410,290 up over \$3 million from the previous auction in February 2021.

Here are five of the top revenue generators at the Nov. 19-21 auc-

Lot 248 1956 Jaguar XK140MC sold for \$169,600

Lot 265 1966 Shelby GT350H sold for \$138,860

Lot 235 2018 Dodge Demon sold for \$128,260

Lot 222 2001 Ferrari 360 Spider sold for \$125,610 Lot 263 1966 Chevrolet Corvette

Coupe sold for \$104,940 Next event scheduled February 25th, 26th & 27th 2022



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)



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Polestar Considers a Stock Offering to Build EV Sales

by Bill McCallum

When Polestar, the electric car brand jointly owned by Sweden's Volvo Car Group introduced the brand to the U.S. a few years ago Seattle was the first stop. I was at the press event and had the opportunity to speak with Jonathan Goodman Chief Operating Officer. At the time he was introducing the Polestar 2 now available in three EV models. He said at the time "we feel the three most important cities in the U.S. for launching the Polestar brand are Seattle, San Francisco, and Los Angeles". Goodman went on to say "..... when you look at the EV infrastructure and when you look at the way the town is embracing new tech and everything else it seems an obvious place for us to come first."

Since that early introduction in Seattle, Polestar has been busy expanding the lineup and the Polestar 2 has received 2 BBC Top Gear Magazine "Best All-Rounder" EV awards.

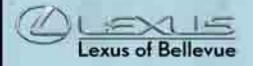
Polestar has been busy expanding it's global reach and has announced that the Polestar 3 EV SUV will be built in the U.S. at the Volvo owned manufacturing facility in Ridgeville, South Carolina. While back in Seattle they will be working with the megaauto dealer O'Brien Auto Group on a fall launch of the Polestar lineup in Seattle, Bellevue, and Tacoma, Wa.



Jonathan Goodman, Polestar CEO presents the Polestar 2 at a previous Seattle Media Event (photo Auto News)

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OEM & Aftermarket Parts





NWAPA Announces 2021 Northwest | Hyundai is Moving Outdoor Activity Vehicle of the Year

Press Association named the 2022 Genesis GV70 as the top vehicle at its annual Northwest Outdoor Activity Vehicle of the Year competition. The all-new 2022 GV70 came out on top with its excellent on-road drivability, surprising off-road capability and premium interior. This newest model from the Genesis brand demonstrated an unbeatable combination of performance, features, capability, and technology during the NWAPA's 26th Mudfest competition.

NWAPA automotive media professionals spent two days driving 19 vehicles through a mix of onroad handling and off-road courses at The Ridge Motorsports Park in Shelton, Wash. Day one's activities included on-road handling testing while the second day took journalists through a custom-made off-road course constructed at The Ridge to evaluate the capabilities of the sport utility vehicles, crossovers, and pickups.

Entrants in Mudfest competed in six categories: Subcompact and Compact Family Utility Vehicles,

Mid-and Full-Size Family Utility Vehicles, Compact and Midsize Luxury Utility Vehicles, Full-Size Luxury Utility Vehicles, Pickup Trucks, and Extreme Capability Vehicles. NWAPA members also selected an overall winner: The Northwest Outdoor Activity Vehicle of the Year.

While the competition was fierce, and the voting was close, there can be only one winner from each category. These vehicles earned the praise of the NWAPA media professionals who evaluated the vehicles:

Subcompact and Compact Family – 2021 Toyota RAV4 Prime XSE ÁWD

Runner up - 2022 Hyundai Tucson Limited AWD

Mid-and Full-Size Family -2022 Jeep Wrangler Unlimited Rubicon 392

Runner up – 2021 Ford Bronco 2-Door Advanced Badlands 4X4 Compact and Midsize Luxury 2022 Genesis GV70 AWD 3.5T

Sport Prestige Runner up – 2021 Mercedes-Benz GLB250 4MATIC Full-Size Luxury – 2022 Jeep Wagoneer Series II 4X4

Runner up - 2021 Cadillac Escalade 4WD Sport Platinum

Pickup Trucks – 2022 Hyundai Santa Cruz Limited AWD

Runner up - 2021 Ram 1500 TRX Crew Cab 4X4

Extreme Capability – 2022 Jeep Wrangler Unlimited Rubicon 392 Runner up – 2021 Ford Bronco 2-Door Advanced Badlands 4X4

NW Outdoor Activity Vehicle of the Year – 2022 Genesis GV70 AWD 3.5T Sport Prestige

Runner up - 2022 Hyundai Santa Cruz Limited AWD

"The 2021 NWAPA Outdoor Activity Vehicle of the Year competition brought together a diverse group of vehicles that reflects the evolving SUV and pickup markets," says NWAPA President John Vincent of U.S. News & World Report. "The 2022 Genesis GV70 luxury crossover brought together phenomenal road manners, elegant integration of technology, and an unexpected ability to tackle offroad obstacles with little drama."

Fast to Bring EVs and Hybrids to Market As They Expand Their Ioniq Lineup

by Michelle Hale

continued from page 4

This news follows a design award recently given to Hyundai for developing an exoskeleton wearable robot to improve ergonomics for its productions team. The head of its Robotics Lab says "Hyundai will continue developing novel products that will provide people with better life quality."

If Hyundai were a startup, I'd be skeptical that these are mere stunts to drive up valuation. However, with so many recent accolades

from J.D. Powers, Consumer Reports, Insurance Institute, etc., for their core business of selling cars and SUVs, this tells me that Hyundai has a very compelling point of view of the future of transportation, while excelling at the daily demands of its customers.

The hard-won recognition from industry groups like JD Powers and Consumer Reports also tells me that Hyundai is doing so many continued on page 20

Action Cameras Extend up to 9', Above

or Below The Roofline

With a waterproof action camera, there's seemingly no limit to the incredible videos that can be recorded. The only limitation has been the length of an arm or flimsy selfie stick. With Shurhold Industries' Camera

Adapter, a GoPro or Garmin VIRB quickly and securely attaches to any of the company's 11 different handles. Extending up to 9', it's easy to capture stunning new perspectives.

Made from a high-performance polymer, the Camera Adapter is completely rustproof. Part of Shurhold's One Handle Does It All System, it locks onto any Shurhold fixed or telescoping triple-anodized aluminum handle and can be adjusted for the optimal shooting angle. With a Handle Mate PFD, it'll even float if accidentally dropped in

The Shurhold Camera Adapter has unlimited uses, both practical and fun. Safer that climbing a ladder, it's easy to inspect roofs on larger vehicles. Below, it's perfect for checking for leaks underneath the frame. A video of it in action is at bit.ly/Shurhold-CameraAdapter.

The Shurhold Camera Adapter doesn't have to remain in the vehicle. It's ideal for use around the house, whether checking gutters, crawl spaces or the progress of nesting birds.

The Shurhold Camera Adapter costs \$12.95; handles start at \$6.68; and the Handle Mate PFD is \$12.98.

Shurhold is dedicated to educating car and truck owners on vehicle value preservation. Inventor of the One Handle Does It All System, Shurhold manufactures specialty care items and accessories to clean, polish and detail.

ContactShurhold,3119SW42nd Ave., Palm City, Fl 34990. 800-962-6241; Fax: 772-286-9620. www.shurhold.com/auto.



Shelby's 2021 Vegas Bash current model Ford GTs were there

continued from page 4

The two days at Spring Mountain Raceway, truly a world Class track and country club, really pegged the fun-meter as we spent our time driving the OVC Continuation 1965 Shelby GT350R Mustangs. We started our two days in the first of the early cars, still being built by several of the original Shelby crew. The second was a just completed version there for a final shakedown and delivery to its new, happy owner. These cars are so spotless in detail that the new owner entered the Concourse Show held at Shelby American on Sunday and won Best Of Show for its region.

Each OVC GT350R gets a track test and a demonstration delivery at the track. The owner gets to see their new car in action and some receive pointers by the professional driver, who has to hustle their new toy around the track. The new cars are street legal and come with a license registration. Most of the 2021 Shelby cars were flying, and it appears most of their owners weren't the least bit worried about running them hard and fast. Ten and proving their LeMans winning ways by blowing spectators' minds at how fast they ran on the track. It didn't hurt that Billy Johnson and Joey Hand from Ford's factories were behind the wheels.

Carroll Shelby's own grandson, Aaron Shelby (who is now very involved in running Shelby American), went on and not once could you spot him not smiling. Very proud and extremely interested, he was at every event and shaking hands the entire time. The whole Shelby American team was present, including Gary Patterson and Vince LaViolette, Shelby VP and Product Development Manager, who were giving track rides in the latest and greatest new Shelby models. It's worth noting these two guys are super talented behind the wheel and haul-the-frieght around a racetrack. We should add they're never setting one wheel wrong in hunters of hours of hard driving - they're good, real good.

Whether you own a Shelby product or not, attending next year's Shelby Bash in Las Vegas needs to be on your bucket list. Just check the Shelby American website for dates and schedules.



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Technology



(Additional Pirelli Story on Page 21)

Pirelli P Zero Trofeo R: Record

Performance with the New **Audi RS 3** at the Epic **Nurburgring**

Tailor-Made Tires derived from Motorsport chosen together with the PZero as Original Equipment for the New Audi

The Pirelli P Zero Trofeo R has set a fresh record with the new Audi RS 3 at the legendary Nurburgring circuit in Germany, showcasing the capabilities of Pirelli's most sporting street tire. The Audi set a new record of 7m40.748s on the 20.8-kilometre circuit, beating the previous record for compact cars by 4.64 seconds, which was established back in 2019.

This record was achieved thanks also to the performance of the Trofeo R tires, in 265/30Z R19 size at the front and 245/35Z R19 at the back. The larger tires at the front are a particular factor in enhancing

the driving experience to deliver a sportier feel.

Tailor Made P Zero Trofeo R Tires for Road and Track

Together with their counterparts from Audi, Pirelli's engineers developed a bespoke version of the P Zero Trofeo R for this latest RS 3: track tires also homologated for road use, which are derived from Pirelli's experience in premier global motorsport championships. This tire uses the latest technology, especially when it comes to compound, structure, and tread pattern, combining the best possible performance on the road as well as the track. For example, the tread pattern design is created to favour stability on the straights as well as shortening braking distances and improving lateral grip through corners. These tires are made at Pirelli's Izmit factory in Turkey, a facility that also produces motorsport tires for all the different motorsport championships that Pirelli is involved in, using exactly the same technology and equipment that is utilized to make state-ofthe-art motorsport tires.

P Zero: Everyday Performance alongside respect for the Environment

An alternative to the P Zero Trofeo R tire is the famous P Zero, which is designed for everyday use for drivers less inclined towards track days. This tire combines performance and comfort without compromising speed, sportiness and control. As well as complementing the sporting nature of the Audi RS 3, P Zero is also geared towards sustainability: the structure and materials of these tires have been designed to optimize rolling resistance, earning it an "A" rating on the European tire label, with reduced fuel consumption and consequent benefits for the environment. The development of this tire also made use of Pirelli's virtual design and simulation technology, reducing development time in order to react more quickly to Audi's requirements and offering other benefits in terms of sustainability, with fewer physical prototypes needed. These bespoke tires carry a specific AO marking on the sidewall, denoting that they have been made to measure for Audi in line with Pirelli's 'perfect fit' strategy.

Hyundai is Moving **Fast to Bring EVs** & Hybrids to Market

things right throughout their value chain – from the way it designs and engineers vehicles, to the way it produces and services them. It's very hard to get all these elements right, much less to earn this recognition among industry rivals, who are not standing still.

Bob Lutz, the car guys' car guy, wrote this recently for Road & Track about watching them for the past 30 years:

"Compared with the Japanese, the Koreans were less draconian in protecting their domestic market from imports, so they faced competitive reality... Aside from early missteps, the Korean automakers have shown amazing skill in adapting to the needs and wants of a global market. Japanese executives, in my experience, often get tangled up in history, tradition, and the sup-

posed superiority of their culture. but I've found Korean leaders to be bold, tough, gregarious, and open to new ideas. This is in stark contrast to the banks of stonefaced Japanese execs at intercompany meetings, where little was ever said or accomplished. The Koreans are not hung up on their culture: They hire the best, Korean or not. It's their strength... The turning point for Hyundai-Kia came with the dramatic new design direction ushered in primarily by VW/Audi veteran Peter Schreyer. Rather than adopting a safe, design-follower strategy, the company repeatedly surprised the world with standout sedans and crossovers. They are today the global leaders in high-volume vehicle design. Coupled with outstanding reliability, it's a hard strategy to beat."

Indeed it is.



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Alan (left) Scale Racing Center owner hosts slot car



competition at Legends of Auto Monterey

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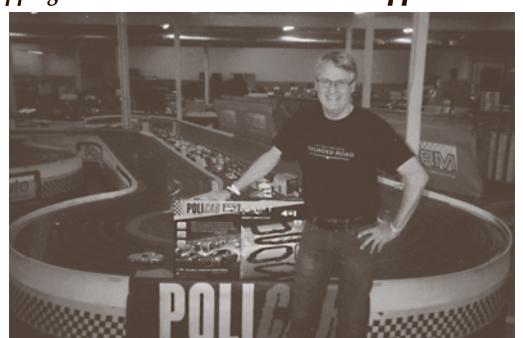
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Alan Smith, Scale Racing Owner Conducts Slot Car Demos at NW Race Tracks



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



Pirelli Tire **North America Names Claudio** Zanardo New CEO

Pirelli announces that Pietro Berardi, who currently serves as CEO of Pirelli Tire North America, is leaving the company to pursue a new professional challenge.

In order to keep building on the solid work done so far and capture future growth opportunities in the Region, Pirelli Tire North America will tap Claudio Zanardo as its new CEO, effective November 1st.

Mr. Zanardo will join the North American team from Pirelli's Milan headquarters, where he has most recently served as Senior Vice President Moto and Velo.

Born in 1979, Claudio Zanardo has extensive experience in the automotive industry: in 2004 he joined Ducati Motor Holding, covering roles of increasing responsibility and, most recently, held the position of Head of Sales Strategies and Planning.

In 2015 he joined Pirelli, taking charge of Marketing and Controlled Retail for Region Europe until assuming responsibility for Driver Italia (Pirelli's franchise network) in 2016. He was then appointed Country Chief Executive Officer of Italy, before moving to the role, starting from January 2020, of Senior Vice President Moto. In February 2021 he was

also given responsibility for Business Velo.

As CEO of the North American region, Zanardo will be responsible for the car, motorcycle and cycling businesses, as well as manufacturing facilities in Rome, Georgia, and Silao, Guanajuato, Mexico.

"It's an honor to join the Pirelli team in North America, which is one of the most important markets for the company" said Zanardo. "The local team has done an incredible job of growing our brand and presence in the Region and increasing product offering tailored specifically for this market. I am thrilled to build on this legacy and bring my knowledge of the industry, combined with my recent position at Pirelli's headquarters, to continue fueling our momentum".

"It has been a true honor to lead the North American team and lay the foundation for continued future growth in this market" said Mr. Berardi. "While I'm sad to leave a talented team and exciting marketplace, I'm also looking forward to the new challenges and opportunities that await me in my career."

Pirelli thanks Mr. Berardi for his contribution to the company over his years of service.

W Creates Lab To Test EV Batteries

- Lab will serve as the center of high-voltage engineering activities in the U.S.
- Facility will support the launch and localization of Volkswagen ID.4 and future electric models
- VW to hire 25 engineers to support lab

Volkswagen of America today marked the start of construction of its Battery Engineering Lab at its Chattanooga Engineering and Planning Center. The approximately \$22 million dollar facility will test and validate electric vehicle cells and battery packs for the North American region.

The new lab will join Volkswagen Chattanooga's under-construction 564,000 square-foot electric vehicle production expansion and 198,000 square-foot battery pack assembly facility to form Volkswagen's hub for EV production and engineering here in the region. Volkswagen will test and optimize Georgia-manufactured battery cells at the new lab. This testing will include batteries for the Volkswagen ID.4 all-electric SUV, scheduled to begin U.S. production in 2022.

Besides increasing its engineering capabilities in the region, the engineering lab is also part of Volkswagen's effort to localize all aspects of vehicle development and production - which lowers production costs and development cycles. Current battery testing and validation takes place in two labs in Germany, Braunschweig and Wolfsburg, along with Shanghai and Changchun, both in China. Testing and validating battery components in Chattanooga will allow engineers to more quickly apply lessons learned to local production.

"Testing batteries in the U.S. at this world-class lab helps us get vehicles to market faster, at lower cost and better tuned for U.S. customers," said Dr. Wolfgang Demmelbauer-Ebner, EVP and Chief Engineering Officer, Volkswagen of America. "It also lets us ensure the safety and reliability of our batteries in conditions U.S. customers encounter every day."

"Volkswagen of America continues to be an industry leader and core to our Tennessee economy," said Tennessee Governor Bill Lee. "I am pleased that VW selected Tennessee as the site of its newest battery lab in the world and the only lab in the U.S. This is a significant development for our growing tech scene and our Tennessee workforce

is ready for the challenge." "I'm proud that Chattanooga was chosen as the site to undertake this critical effort to ensure the safety of electric vehicle batteries," said Congressman Chuck Fleischmann. "It's an investment $in the \, future \, of \, automotive \, systems \,$ that will keep Tennessee in the forefront of car manufacturing in the United States."

"This will be the first lab of its kind that VW will build in the U.S., and it means a great deal that they chose to build it in Tennessee," said Commissioner Bob Rolfe, Tennessee Department of Economic and Community Development. "This expansion shows that Tennessee is not only a leader in the automotive sector, but it is also an outstanding place to conduct high tech R&D.'

VW engineers will test battery components, the integration of the battery with the vehicle and look for more ways to integrate locally produced components into the production process. The lab will include pressure and immersion testers, corrosion chambers, five explosion-rated climate chambers and a custom, two-ton multi-axis shaker table, which is designed to test the integrity of vehicle components in some of the roughest conditions they might face on the road. Built with sustainability in mind, the facility will also feature regenerative load cyclers that can return energy to the building or grid to be as efficient as possible.

About Volkswagen

Founded in 1955, Volkswagen of America, Inc. is an operating unit of Volkswagen Group of America and a subsidiary of Volkswagen AG, with headquarters in Herndon, Virginia. Volkswagen's operations in the United States include research and development, parts and vehicle processing, parts distribution centers, sales, marketing and service offices, financial service centers, and its state-of-the-art manufacturing facility in Chattanooga, Tennessee. The Volkswagen Group is one of the world's largest producers of passenger cars and Europe's largest automaker. Volkswagen sells the Arteon, Atlas, Atlas Cross Sport, Golf, Golf GTI, Jetta, Jetta GLI, Passat, and Tiguan vehicles through more than 600 independent U.S. dealers. Visit Volkswagen online at www. vw.com or media.vw.com to learn more.



Discount Tire Creates Covid-19 Safety Features

by Bill McCallum

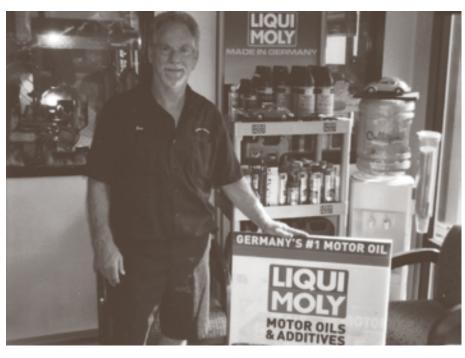
I had a chance to visit with Mike Boland. Director of Customer Insight for Discount Tire on my October trip to Scottsdale,

Discount Tire with corporate headquarters located in Scottsdale, AZ, has 1,060 locations across the U.S. with over 21,000 employees.

Discount Tire founded in 1960 sells and services tires & wheels. They represent over 10 national tire brands. Mike Boland has been introducing the "In-The-Moment" program to make sure Discount Tire and American Tire (in Calif) customers are safe during the Covid-19 crisis. The program includes an Outside Touchless Experience with Keys Delivered in a Bag, Curbside Check In, Employees and Customers Wearing Masks, 6 ft. Social Distancing, and Hand Sanitizers available for all Employees and Customers.

This program, administered by Mike Boland, "Voice of the Customer" has made the Discount Tires stores the safest in the U.S. during the Covid-19 crisis.





EUROPEAN CAR AUTHORITY

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

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



DOUG'S AUTO

Doug's Auto, a collision specialist, is "reinventing itself," according to Doug Casady, owner of Doug's Auto, a longtime Eastside collision specialist located in Factoria.

It is a family-owned business with Doug's wife and two sons, Jeff and Steve, involved in the business. With seven employees, they can work on up to 20 vehicles at a time and have recently added a mobile automotive refinishing division headed up by Jeff Casady. The mobile business specializes in rock chip repair, minor collision work,

bumper repair, and scratch removal. Doug's is also "going Green" with the addition of a Toyota Highlander and Camry Hybrid and two Pruis loaners to be used in the business. Doug's Auto offers rental cars, and towing is available. Doug said, "We have been in business 36 years, and now the second generation is taking over and helping us be the best body shop in Bellevue." (Pictured from Doug's car collection are, left to right, a '72 Mustang, '56 Ford T-Bird, '66 Blue Mustang, '74 MG, 57 Chev, '74 Corvette, and a '67 Olds Convertible.

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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.



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Biggs Eastside Rover is owned and operated by Jennifer Biggs with help from her daughter Abbie, (see photo page 16) Their full-service shop is conveniently located at 12700 Bel-Red Road in Bellevue Washington. Biggs Eastside Rover serves the entire Seattle Metro area and Western Washington. They specialize exclusively in Land Rover and Range Rover service and you can expect the best quality of service available for Land Rovers in the entire Northwest

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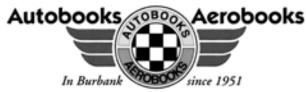
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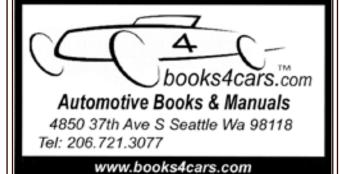
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Steve and Molly Saleen with "351" Black Label Edition at recent Mustang Round Up Event in Bellevue, WA (photo Auto News)



Auto News Legend Parnelli Jones (seated to left) was honored at a Birthday Party during Monterey "Car Week" this August at Laguna Race Track (photo Auto News)







Legends of Auto Gala 10 Year Anniversary

Date: August 18, 2022 (During Car Week)

Place: Monterey, California

Attire: Sports Casual

Advance Ticket Sales: \$100 each - While They Last at bit.ly/legendsofauto

Reception: 7 pm Dinner: 8 pm Presentation: 9 pm



Honored Members of Legends of Auto

George Barris* Beau Boeckmann **Bert Boeckmann Bob Bondurant** Sandra Button Rita & Rick Case* **Corky Coker** Tom duPont

SUPPORT THE ENLISTED PROJECT

Ryan Falconer Mark Fields **Ken Gross** Dan Gurney* Lee lacocca* **Craig Jackson** Lyn St. James

Parnelli Jones Ed Justice Jr. Jay Leno Ken Lingenfelter **Keith Martin Barry Meguiar Bruce McCaw**

Bruce Meyer Peter Mullin **Roger Penske Stewart Reed Steve Saleen** Carroll Shelby* *Departed Legends

Dana Mecum

SEE - www.LegendsofAuto.com



Legends (left to right) Bob Bondurant, Lyn St. James, Bill McCallum, Founder, Tom duPont, Steve Saleen, Barry Meguiar, Keith Martin, Ken Lingenfelter and Dana Mecum (photo Auto News)



Top Row: Diane Fitzgerald (President, RPM Foundation for Lyn St. James), Ed Justice Jr., Corky Coker, Barry Meguiar Bottom Row: Beau Boeckmann, Dana Mecum, Rita and Rick Case, Steve Saleen, Ryan Falconer



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



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

Mission Statement To recognize and award individual accomplishments, that have significantly advanced the auto industry around the world and to help develop the next generation of auto industry leaders.

Mercedes-Benz **E450 - 4MATIC** All-Terrain Review

continued from page 6

sits 1.2 inches higher that its predecessor.

The Final Take

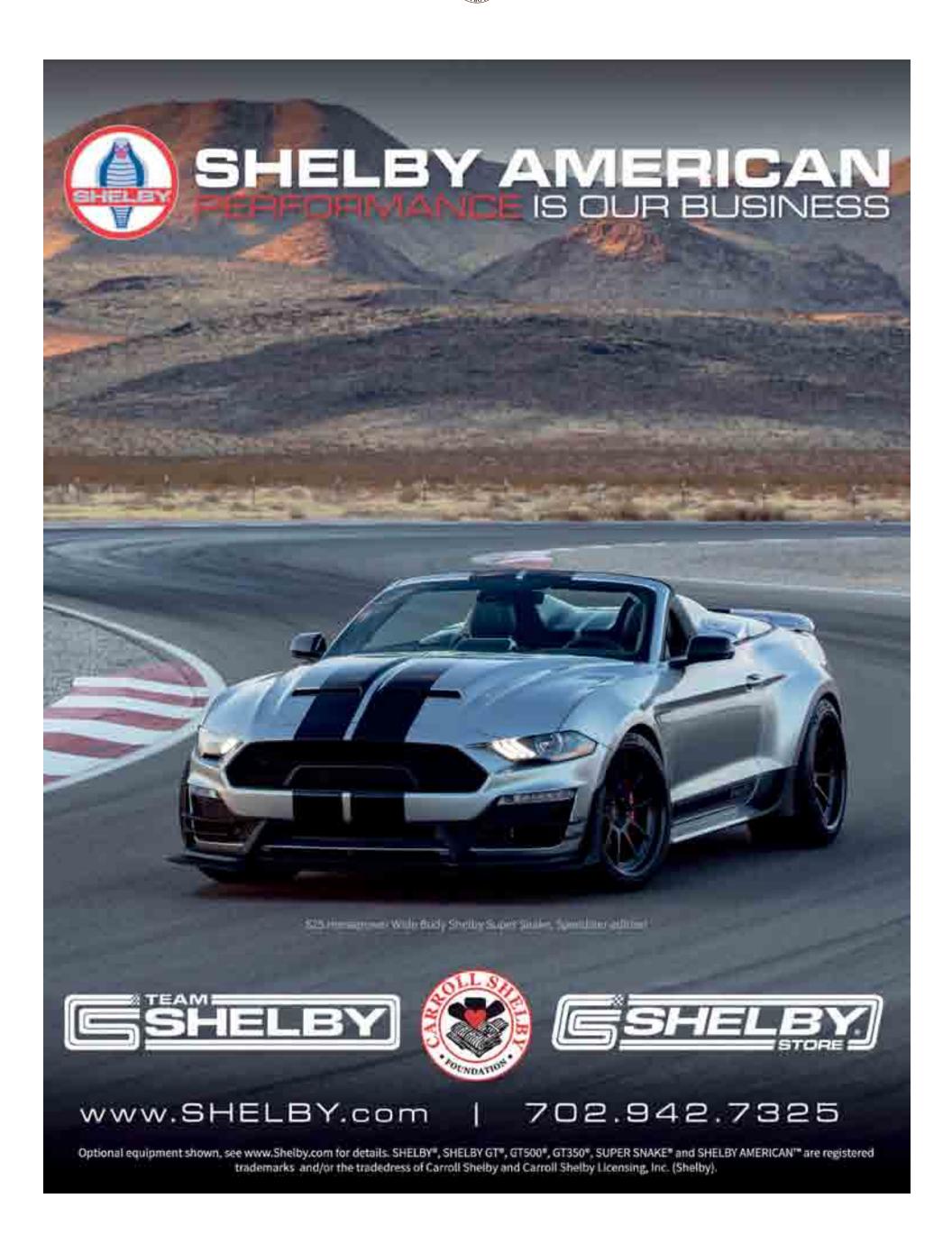
Was the transition to the look of an SUV necessary? Maybe not, but it is in actuality still quite appealing and the added enhanced versatility and functionality should improve the E-Class's .bottom line sales figure. Nothing ventured, nothing gained. In any case, wagons rule and the all-wheel drive, 7-passenger, 5-door E450 All-Terrain Mercedes wagon is a premiere example. If an SUV is too big and a sedan is too small and you want something in between that serves up sporty performance, the Mercedes All-Terrain is the way to go.

SPECIFICATIONS:

2021 Mercedes-Benz E450 4MATIC All-Terrain Wagon Base Price: \$67,600. Price as Tested: \$87,770. Engine Type and Size: 3.0-liter Inline turbocharged and intercooled DOHC 24-valve six-cylinder with EQ Boost and Direct Fuel Injection. Horsepower(bhp):362@5,500rpm Torque (ft./lbs.): 369 @ 1,600 rpm Transmission: 9GTronic 9-speed automatic with ECO Start/Stop Drive Train: Longitudinallymounted front engine / 4MATIC All-Wheel Drive. Suspension: Front - Multilink Rear - Multilink Brakes: Power-assisted fourwheel vented and cross-discs

with ABS, BAS, ESP and active brake assist. Tires: Goodyear Eagle F1 Asymmetric 2 Run-on Flat 245/40 R20 99Y front MO Extended / 275/55 R20 102Y rear MO Extended mounted on 5 "Y"-spoke alloys - Machine finish with Graphite Gray metallic painted inners. Wheelbase: 115.7 inches Length Overall: 194.8 inches Width: 73.7 inches

Height: 58.9 inches Curb Weight: 4,585 lbs. Turning Circle: Not given. Fuel Capacity: Not listed gallons EPA Mileage Estimates: 22 mpg city / 28 mpg highway Drag Coefficient: Not listed 0 - 60 mph: 4.4 seconds



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