

AUTO NEWS



LARGEST CONSUMER AUTOMOTIVE NEWSPAPER IN U.S.
Distributed at Retail Outlets, Auto Shows & Events

2020 Hyundai Palisade Delivers Design, Function, Value and Economy in a SUV

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Jim Trainor, Hyundai Dir. of Comm. with All-New 2020 Palisade SUV at Corporate Headquarters (photo Auto News)

NEVER STOP DRIVING: A Better Life Behind The Wheel

by Bill McCallum

It was another busy week for TMcKeel Hagerty in a recent telephone interview explained to me how he got the idea for publishing Never Stop Driving. He said, "..... I was attending a global conference on the auto industry in 2017 when the CEO of an AI Tech company working on driverless technology said to me '..... I am sorry what we are doing is going to put you out of business'. "That started me thinking on how we needed to counter that misconception. Thus the idea for Never Stop Driving was born along with other programs Hagerty Media Properties LLC

is developing."

The fact is, everyday, countless millions of Americans still find relief from their over-connected stressed out lives by just going for a drive, or simply working on their cars.

In fact, every day countless millions of Americans still find relief from their over-connected, stressed out lives by just going for a drive, or simply by working on their cars.

With glorious photography and sharp writing, Never Stop Driving: A Better Life Behind the Wheel author and auto journalist Larry Webster – along with an **continued on page 9**

by Bill McCallum

As accolades roll in for the all-new 2020 Hyundai Palisade SUV it's take-a-number time at Hyundai dealers across the U.S. Consumers are buying the 2020 Palisade SUV at a record rate. With U.S. sales trending to increased SUV sales, Hyundai is in the "cat-bird" seat with one of the best, if not the best,

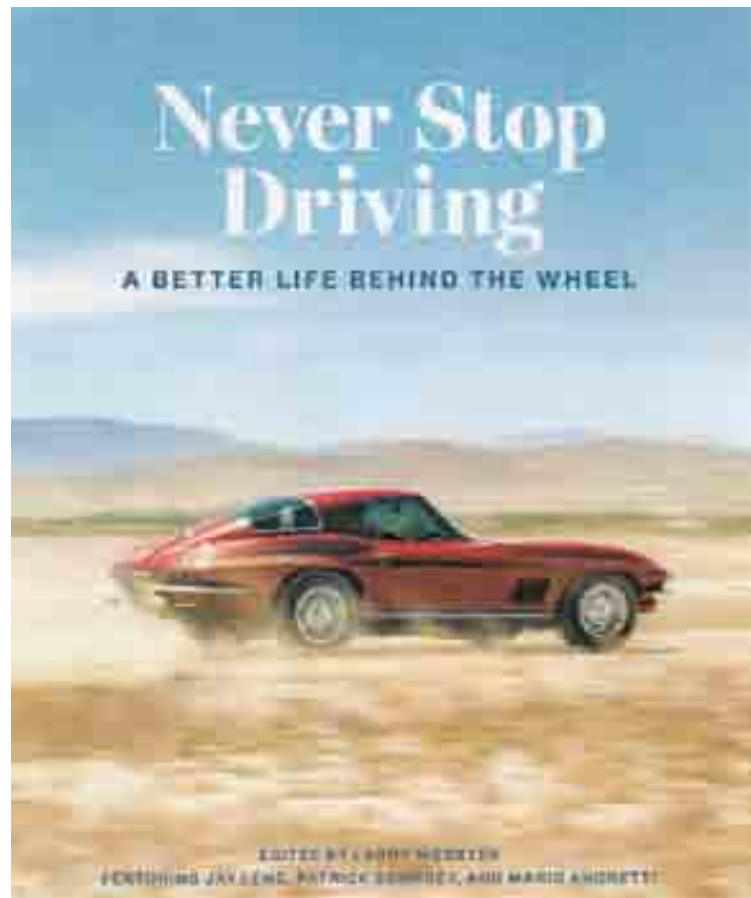
selection of SUV's on the market today. The 2020 Hyundai Palisade joins the mid-sized Sante Fe and Tucson and the subcompact Kona in Hyundai's SUV lineup.

On a recent trip to Southern Ca. I had a chance to visit with Jim Trainor (see photo) director of communications for Hyundai at their Corporate Headquarters.

Jim pointed out the four pillars of success in the Hyundai SUV lineup, Design, Function, Value, and Economy. The all-new Palisade has all four and **MORE. Stay tuned for my "Test Drive Review" of the all-new 2020 Hyundai Palisade in our Holiday Issue. (See Ad on page 15)**

A Road Trip in a 2020 Hyundai Santa Fe SUV: LA to PHOENIX and BACK (See Page 14)

"Delivers Design, Function, Value and Economy"



Diana, Team Auto News with 2020 Hyundai Santa Fe in Phoenix, Arizona (See Story on Page 14) (photo Auto News)

The Best Time To Buy A Car & Attend An Auto Show



Bill McCallum
editor

This fall will be the best time during the last decade to buy a new car, truck, or a SUV for a number of reasons. First and foremost, new vehicle inventories at dealers across the U.S. are at an all-time high. So when the new car lots are loaded the dealers are offering large rebates, attractive financing, new lease options, and a great selection.

Also there is an intense competition by automakers in the race to be the number one truck seller in the U.S. Ford is still ahead of the group with record F-150 sales, but both FCA with the Ram brand, Chevrolet with Silverado and GMC are gaining ground on Ford. Toyota and Nissan are both gaining ground on FCA & GM. So all automakers are “wheel and dealing” on trucks. Also there is are so many all-new full size, compact, and subcompact SUV’s hitting the U.S. market this year and yes, Jeep brand sales are on fire.

WEST COAST AUTO SHOWS

- Sacramento 10/18 - 10/20
- Seattle 11/14 - 11/17
- Los Angeles 11/22 - 12/1
- San Francisco 11/28 - 12/2
- Portland 2/20 - 2/23

Toyota Corolla Hybrid Test Drive



Art Gould
feature editor

The newly stylized Corolla hatchback debuted in 2019 with promises of providing looks to remove the boring image of Toyota models. This is the first time the Corolla has offered a hybrid to complete the Corolla line to the expectations of customers that look forward to no less from the company that leads the world in hybrid vehicles.

I tested the 2020 Toyota Corolla Hybrid with the base LE trim. The base MSRP of this model begins at \$22,950. Not bad compared to the best selling hybrid model in the world, the Prius, that begins at \$24,700. It is powered by the same DOHC 16-valve 1.8-liter Atkinson-cycle inline four with a pair of electric motors like the ones used in the Prius. There is also a 1.3-kWh battery stored beneath the rear seats. The system as a whole produces 121 horsepower and 105 lb-ft of torque.

The new hybrid comes with automatic climate control, an 8.0-inch touchscreen infotainment system and LED headlights. This base model LE doesn’t lack creature comforts to interfere with various surprise and delight features. Trunk space, 11-cubic-feet, is spacious enough for day-to-day tasks.

With all the experience that Toyota has had with hybrids,

continued on page 8

Joyce Covers The Emmys With Audi



Joyce Chow
entertainment editor

Audi’s pre-Emmy party continues as one of the most sought after invites during Emmy week. Eco-friendly design elements and apparent reuse and recycle efforts reflected Audi’s sustainability efforts. Audi’s annual pre-Emmy event celebrating outstanding talent in television was hosted at the iconic landmark Sunset Tower Hotel in West Hollywood.

Guests entering the party were greeted by the white all-electric Audi e-tron SUV. Last year the e-tron was camouflaged by the Audi design team. Audi returned as the official automotive partner and vehicle provider of the 71st Emmy Awards. Emmynominees and VIPs were chauffeured in the 2019 Audi Q7 and A8 vehicles to Emmy events and the Emmy Awards.

Audi is personal for Emmy nominee Milo Ventimiglia (This is Us). Nominated as Lead Actor in a Drama Series, he remembers Audi fondly growing up. He has even bought a Q6 for his dad for the third row of seating and an Audi for his mom too. Safety is a main consideration.

“I love the cars. When I went to judge Mr. and Ms. Deutschland 2019, I was so happy to drive in Germany an amazing Audi. Audi

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Toyota Corolla Hatchback Test Drive



Ed Barrett
feature writer

Toyota just introduced a new hatchback Corolla to replace the Corolla iM it inherited from the now defunct Scion brand. This 2019 Corolla Hatch is a completely fresh design, with new styling, new platform, a new engine and more. It is offered in just two models, SE and XSE. Sedan versions of the Corolla will be updated later.

The 2019 Hatch features a bolder, if not a prettier look, than the iM. An open-mouth grille, with a chrome surround, and narrow LED headlamps highlight the front fascia. Up-sweeping character lines on the flanks, enhanced by the available roof spoiler, convey a sense of motion. This is the sportiest-looking Corolla to come down the pike.

Inside, the interior shows a significant improvement over previous Corollas. My up-market XSE Hatch sported a premium quality interior. The soft-touch vinyl, with contrasting stitching, had a nice look and feel. Leatherette seats, with bright cloth inserts added zing, and glossy black trim provided an upscale touch.

The dash features a large, 8-inch touchscreen. Toyota’s Entune controls the infotainment system. The interface is not as fluid as

continued on page 6

Mitsubishi Outlander Plug-In SUV



Scot McCallum
“Green Car Guy”

2019 Mitsubishi Outlander PHEV GT S

The new Mitsubishi Outlander has had a nice face lift to include updates to security and safety features. Let’s start with the efficiency the 12 Kwh battery gives this vehicle with a 74 MPGe rating. The plug in hybrid feature is convenient and the Outlander looks sharp with a new front end design modification. Nineteen safety and security features include Traction Control Logic, Active Stability Control, Hill Start Assist, Tire Pressure Monitoring, Forward Collision Mitigation, Blind Spot Warning, Lane Departure Warning, Acoustic Vehicle Alert, and a sophisticated airbag system. The Outlander has a stable and particularly quiet ride and features a key passive entry system with push button start and panic feature. Spice up your summer with a test drive today!

NEXT ISSUE: Test Drive Report on the RAV4 Hybrid

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GMC Terrain Offers All-New Black Edition



David Schmidt
feature writer

In the second year of this generation Terrain, GMC is offering a Black Edition: taking advantage of the current popularity of blacked-out trim and wheels.

GMC offers this package only on SLE and SLT trim levels. With it you get 19-in. gloss-black aluminum wheels, a darkened grille insert. The cars also feature a black surround, black mirror caps, roof rails and black exterior model and trim badging.

Beyond that, the car is similarly equipped to the other, more colorful, versions.

Looking at the Terrain from the outside, the current thinking on GM's crossover design is clear. While these vehicles are reminiscent of sport utility vehicles, now they communicate that they are spacious vehicles which aren't trucks. That's what buyers want, and GM is ensuring that they know the Terrain should fit the bill.

It is a strong looking vehicle. The front face makes it clear this is a GMC product. The roofline and greenhouse make it look like there's plenty of room inside,

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Toyota Camry Stays Afloat at Biscayne National Park



Sally Hanson
travel editor

Sally Hanson, Auto News feature writer for the past 30 years, continues her visits to National Parks in press vehicles to give readers a view of new automotive offerings as well as an insight to our beautiful National Parks. Sally is scholarship co-chair of the Northwest Automotive Press Association.

by Sally Hanson

A Ruby Flare Toyota Camry was waiting for us in Fort Lauderdale, Florida, for an excursion through Miami to Biscayne National Park. The drive to the park was comfortable as we relaxed in the comfortable seating of the 8-way power adjustable seats. As driver, I was treated to power lumbar support. The leather trimmed seats are also heated, but on the pleasant day that we visited the park, the feature was not used.

We were noticeable on the road in the bright red midsize sedan with an even brighter metallic front grille and silver alloy wheels. Once on the interstate, I began to appreciate the power of the Camry's very adequate four

continued on page 13

All-New Jeep Gladiator Test Drive



Howard Elmer
truck writer

Want a Jeep and a truck? That's what the new Gladiator is – a midsize pickup built by Jeep with all the ability and attitude you expect from a Wrangler – and it's here now.

Walking up to the Gladiator it's instantly recognizable as a Jeep. The Jeep design team kept the Wrangler front-end in its entirety. Its only when you peak around the side that you see the bed. Of course from a marketing point of view the unique design of a Jeep is one of its greatest assets; so basing the truck on this iconic look is just good business.

However, the 5-foot bed on this truck is not just welded onto the standard Wrangler frame. No, the Gladiator's body-on-frame design offers the same four doors, but on a stretched frame 31 inches longer than the Wrangler. The wheelbase is also 19.4 inches longer and the rear axle and suspension setup borrows heavily from the Ram 1500. This engineering mix was necessary to hit the payload and towing numbers that the Jeep people envisioned.

continued on page 6

Ford Bronco Making A Comeback



Jordan Williams
millennial writer

Hey, hey everybody! Who doesn't love a come-back?

I don't know about you, but I have recently read about four articles on the Ford Bronco making a come-back in 2020... this is an exciting potential buy for Millennials because the car has pleased so many of our parents in their younger years and it is obviously back (and improved) by popular demand!

Are you familiar with the Ford Bronco? It has been called "legendary" or an iconic SUV, one of the world's greatest 4 x 4 automobiles since the mid-sixties until it temporarily ended production in the mid-nineties. But it is headed back!

As detailed with Ford communications and other media, the new generation Bronco remains true to its down and dirty or rugged roots, but includes the latest in smart technology--something we all love and desire--mixed with a great new more streamlined look, something else our generation loves, too.

Ford announced in 2019 that

continued on page 7

M-B of Lynnwood Gambles on Sprinter Vans & Wins



Chris Chung
motorsports writer

"Van Powerhouse" – Mercedes-Benz of Lynnwood Gambles on Commercial Vans and Wins

Mercedes-Benz (MB) has long been a global leader in not only luxury passenger automobiles but also is the world's largest manufacturer of commercial vehicles. MB was initially hesitant to launch the Europe-developed Sprinter Van in America though. With America immersed in "truck culture" and MB's luxury brand recognition in the states, the auto giant was concerned that the US may receive conflicting messages seeing an economical, commercial van released under the MB name. In 2006, Mercedes took a risk and decided to move forward with the Sprinter release on US shores through Dodge and Freightliner Dealers. In 2010, MB decided to launch the Sprinter under their own brand and Mercedes-Benz of Lynnwood took a risk and became the first full-fledged van dealer in Washington State.

Mercedes-Benz of Lynnwood, has always been a well renowned dealership, priding themselves

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Arv Voss
feature writer



Michelle Hale
asia correspondent



Harold Allen
feature writer



Lisa Delaney
special projects editor



Gary Murphy
writer

Toyota Highlander Hybrid Ltd. Platinum Test Drive

Toyota's Highlander was a pioneer in the midsize crossover SUV category 17 years ago becoming the class benchmark. The third-generation model entered its fourth last year, seating up to eight, with a choice of three powertrains and four model grades, all adding up to an ideal family vehicle.

The 3.5-liter DOHC, 24-valve V-6 with dual VVT-I delivers 231 horsepower and 215 pound feet of torque. The Hybrid System is coupled to an electronically controlled automatic transmission with intelligence in three variants depending on the engine and drive configuration. The Hybrid features a Continuously Variable Transmission (CVT) with a planetary gear unit for gear reduction and power splitting; electronic all-wheel drive control system. AWD-i models are equipped with front and rear electric drive motors.

The Hybrid System delivers 280 horsepower (209 kW) with three permanent magnet Motor Generators – 650V max voltage. Max output MG2=167 hp (123 kW) / 247 lb. ft torque / MG3=68 hp (50 kW) / 103 ft-lb. torque. Sealed nickel metal hydride battery pack with 288V nominal voltage and 45 kW Max power output. The System yields an impressive EPA fuel rating of 27 mpg city/28mpg highway/28 mpg combined, best in class for a three row mid-size SUV. Towing capacity is 3,500 pounds.

Visually, the 2018 Toyota Highlander Hybrid was a carryover from the 2017 model year, bowing with a bolder and more dynamic exterior persona, featuring a lower, sleeker roofline and narrowed "A" pillar. It has grown in length by approximately three inches while the width was increased one-half inch. Up front, the hood merges with the stylish trapezoidal grille, wraparound headlamps and deeply chiseled and pronounced fenders, delivering a bolder, more athletic appearance.

The aft end finishes with a height-adjustable rear lift-gate with an available one-touch power open/close and driver selectable memory height settings. The taillights and bumper display both style and strength. An integrated rear roof spoiler lip hints at performance.

The 2018 Toyota Highlander Hybrid benefited from a premium interior design with advanced technological features, offering spaciousness for up to eight occupants, with an extensive array of standard comfort, convenience and technology features and equipment. There are no significant changes for the 2019 model year.

All Highlanders feature an LCD in-meter-cluster Multi-continued on page 6

Interview With Bill Russo: The Future of Mobility

What is the future of mobility around the world? In attempting to separate the hype from the here and now, Global Auto News caught up with mobility guru continued on page 5

Worlds First Bentley Bentayga Stetson Arrives in Texas

What a perfect match, the association of Bentley and Stetson. Both companies have incredible heritage, one in automobiles and the other in cowboy hats. Both continued on page 9

Automakers Make Pet Safety A Top Priority

Subaru has clearly been on the forefront of pet safety and a trailblazer in supporting pet-focused charities for years. In fact, pets are an integral part of the company's continued on page 25

Is America's Power Grid Ready for Electric Cars?

They'll put new pressure on the nation's energy infrastructure, but timing might present the biggest challenge.

Today, less than 2 percent of continued on page 5



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Politics and the Environment



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Interview With Bill Russo: The Future of Mobility

continued from page 4

Bill Russo. Bill, the soothsayer in Shanghai, is one of the most quoted executives on mobility in China.

He is the founder and CEO of Automobility Limited based in Shanghai, with more than 35 years experience in the mobility industry, as an auto executive in the US and China and as a leader with IT and electronics firms. He has worked as an advisor and consultant for numerous multinational and local Chinese firms in the formulation and implementation of their global market and product strategies.

Bill is also currently serving as the Chair of the Automotive Committee at the American Chamber of Commerce in Shanghai.

What are mobility services in the auto industry?

From the market or customer perspective, mobility services are alternative ways (other than owning a car) for people to get from point A to point B by paying a service provider for access to a vehicle. This can be through a public transportation service (train, bus, taxi), or a private service operator (car rental and bike sharing) or person-to-person (P2P) ride hailing service.

From the auto industry standpoint, this represents an alternative channel for selling units to a fleet owner/operator of the platform that provides the mobility service.

Where do you see the future of mobility services in the auto industry in China in the next 5 years?

Markets like China have low per capita car penetration and huge urban population. In densely populated cities in China, mobility services like Didi Chuxing, UCAR and others are extremely popular. In such places, these services eliminate the pain points associated with driving and parking. It also offers higher utilization of the vehicle population, which can reduce the number of vehicles needed to serve the demand for mobility, and reduce the need for allocating space in the city for underutilized, parked vehicles. In China, we expect shared vehicles to rise from slightly under 10% of the car population to nearly 25% by 2025.

Where do you see the future of mobility services in the auto industry in China in the next 20 years?

Mobility services will expand as populations grow and urbanization rates continue to rise. New technology in the form of connected and self-driving vehicles will make the economics of the mobility services business more favorable, and urban residents will embrace the convenience of being transported in a personal space where they can repurpose their time to purposes other than the mundane task of city driving. Beyond 2030, people and goods movement will increasingly be served by autonomous mobility on demand (AMOD) devices.

What are the challenges mobility services face in the auto industry in China?

Initially, mobility services will be a fiercely competitive market with most automotive companies seeking to carve out a relevant space with existing and new partnerships. In a fragmented landscape, profits will be difficult to generate. However, successful players will emerge that will have the backing of digital ecosystem partners who have the ability to monetize the big data associated with the mobility and online consumption pattern of the platform user. Obtaining business licenses to operate a fleet of mobility service vehicles may limit the participation in the business and give more power to the fleet operators in the new value chain.

What are the advantages of mobility services in the auto industry in China?

For the users, it's the elimination of pain points associated with driving, with democratized access to personal transportation. For the cities, more efficient matching of mobility demand and vehicle supply with fewer cars need to serve the demand. However, the desire of individuals to "upgrade" (from bus or metro) and be in their own space does create added

congestion on the road during peak hours.

How does your company help mobility services in China?

Automobility is a strategy & investment advisory firm focused on helping its clients to build a collaborative ecosystem of partnerships to participate in the new mobility value chain. Our main businesses are advisory services for venture and private equity investors, and consulting services for corporations seeking to participate in the new mobility business model.

Is America's Power Grid Ready for Electric Cars?

continued from page 4

the vehicles Americans buy are electric. But within the next three decades, some automotive industry experts expect electric vehicles could make up the majority of U.S. and global car sales.

All told, American drivers log about 3 trillion miles per year, consuming more than 170 billion gallons of gasoline and diesel in

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AUTO NEWS® BYTES

HAGERTY ACQUIRES GREENWICH CONCOURS D'ELEGANCE
Northeast's premier 'Competition of Elegance' is Hagerty's latest investment in connecting car lovers to cool events

As part of its vision to create a global community of car lovers centered around an expanding roster of fun car experiences, Hagerty has acquired the Greenwich Concours d'Elegance in Greenwich, Connecticut, ranked by USA Today as one of this year's Top Five car events in America.

"Car people love concours events, and this is one of the absolute best," said McKeel Hagerty, CEO of Hagerty and a longtime judge for the Pebble Beach Concours d'Elegance. "We think we can take it to a whole new level by adding immersive, experiential elements that appeal to a broader swath of the car community, including younger fans."

Hagerty expects to add hands-on-the-wheel opportunities for showgoers, including its popular "Ride & Drives" that put people behind the wheel and in the passenger seat of cool, older cars, and its Hagerty Driving Experience, which teaches drivers 15- to 25-years-old the dying art of operating a stick shift.

Founded in 1996 by the late Bruce and Genia Wennerstrom, the Greenwich Concours has always been a family venture. Daughter-in-law Mary Wennerstrom, who has worked on the concours since the very beginning, will stay on as the executive director. The 25th anniversary concours is scheduled for May 29-31, 2020. The location and format will not change. Featured classes will be announced soon.

In addition to the concours, Hagerty will oversee the Madison Avenue Sports Car Driving & Chowder Society, the legendary car club that has met monthly at Sardi's in Manhattan since 1957.

"I think it is very fitting that the Greenwich Concours d'Elegance will now be a part of another great family business," said Wennerstrom. "These are genuine car people with an incredible depth of knowledge and passion about the history of classic cars. I look forward to working with them and carrying on the legacy of Bruce and Genia."

Hagerty is no stranger to the world of car events and has sponsored or participated in more than 2,000 annually. The company has a major presence at the nation's largest concours events in Pebble Beach, California, and Amelia Island, Florida, as well as the annual auto auction week in Scottsdale, Arizona. Hagerty's Festival of the Unexceptional, a light-hearted concours-style event celebrating cars that were the workhorses of their day, is an annual highlight of the summer car season in the United Kingdom.

Hagerty also operates DriveShare, an innovative peer-to-peer enthusiast vehicle rental marketplace, and MotorsportReg.com, North America's largest motorsport membership, licensing and event online management system, used by hobbyists to find and participate in track days, autocross, road rallies, driving tours, vintage races, local car clubs and more.

Last year, Hagerty unveiled its new membership organization called Hagerty Drivers Club, which now has more than 1.3 million members. The goal of the club is to serve as a central hub of car culture by offering experiences, resources, discounts and entertainment, all focused on cars and driving.

"We're knitting together the car community in a way no one has ever done before," said Hagerty. "Outstanding events like the Greenwich Concours d'Elegance get people excited about cars, and that's what it's all about. That's how we're going to save driving and car culture for future generations."

Do We Drive To Connect or Disconnect?

Two recent conversations with new car owners led to this story

One with a doctor at a car show who just bought a new BMW and another with a pilot I sat next to who was "dead-heading" back to LA from Seattle who had just bought a new Range Rover. Both loved their new vehicles, but both said "..... I will never buy another new vehicle." The reason "..... to much technology I never use and it takes to much time to understand." (500 to 600 page technology manual included in each vehicle)

Two questions I would ask automakers. 1- Is this a growing trend? 2- Should Automakers do more research to determine if

their buyers really want to connect with everything in their life while driving a car? The answer to the first question is YES. The answer to the second question is MAYBE.

Both answers could spell TROUBLE for the auto industry in the mid to long term. While I remove "safety technology" from these examples, do we really want to connect with everything and everyone in our life while driving, or like me I want to DISCONNECT from everyone and everything while driving. Time will tell.

See: page 1 book review, Never Stop Driving: A Better Life Behind The Wheel

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All-New Jeep Gladiator “First Drive” by Howard Elmer

continued from page 3

Payload is a hefty 1,600 lb and the tow rating is a class-leading 7,650 lb. These numbers should appeal to any recreational hauler as well as the Jeep enthusiast. This is a real truck, with all the right capacities.

My first drive in the Gladiator came in Northern California; which didn't seem like much of a workout – at least that's what I thought when I was first invited. However, once there, three days of steady, cold rain turned the off-road site that Jeep had prepared into a nasty mud-pit.

Once on site the first thing I noted was the clearance. The Gladiator has 11.1-inches of ground clearance complemented with an under mounted spare tire that is tucked up above the rear axle. This is the reason for the rather shallow truck-bed. On the other hand this design makes it possible to reach the cargo bed anywhere along its length.

Because the Gladiator is available with the same trim packages as the Wrangler (Sport S, Overland and Rubicon) it is progressively more aggressive in the off-road arena as you move up to the Rubicon outfit. These were the units we churned the mud with in California. These Gladiator/Rubicon trucks came with a Rock-Trac 4x4 system with a “4LO” ratio of 4:1; Dana 44 axles; Tru-Lock electric front and rear-axle lockers, Trac-Lok limited-slip differential and sway-bar disconnect. The truck has standard front and rear tow hooks, skid plates and steel bumpers that are winch-ready from the factory. The Rubicon version comes with 33-inch off-road tires giving it up to 30-inches of water fording ability.

As rain bore down steadily, the ruts on the off-road deepened till driving was more like running on train tracks. Once in the ruts the Gladiator steered itself – I just keep the accelerator down negotiating the hills and rocks. Though it dragged its belly it never got stuck despite the ever worsening conditions. On the steep slopes I also got to use a new safety feature – a TrailCam that projects images from the nose of the truck – it let me peak over the lip of hills on-screen; while out the windshield all I could see was hood and sky.

Powering this truck is the long serving Pentastar 3.6L V6. Matched to a six-speed manual an upgrade to an automatic transmission gets you an eight-speed. continued on page 19

Toyota Highlander Hybrid Test Drive continued from page 4

Information Display, available in 3.5-inch black & white or 4.2-inch color display. Ambient lighting is available around the front dash, which makes for a relaxing environment.

The 60/40 second row offers bench seating for three passengers or two captain's seats that feature a collapsible side tray with cup holders for added convenience. The third-row has a standard recline function, enhancing comfort for up to three passengers.

My 2019 Toyota Highlander Hybrid tester came in Limited Platinum trim and AWDi with a base sticker of \$48,280 and a final total of \$49,275 after factoring in options plus the Delivery processing and Handling fee. The exterior was sprayed a metallic Predawn Gray Mica, while the interior was done in Saddle and Charcoal tones Black with matte finished wood trim accents on the doors and dash.

SUMMARY: The 2019 Toyota Highlander Hybrid Limited Platinum continues with its bold and sleek styling, accompanied by enhanced interior appointments with upscale comfort levels, pleasing performance and operating efficiency. The Highlander

Hybrid's Hybrid Synergy Drive System operates seamlessly and is highly efficient, while accommodating the entire family with seating capability for up to eight, with gear. A panoramic moonroof is also available.

The Highlander comes with a Backup Camera and Toyota's Entune audio systems. Upscale models offer advanced safety technologies such as Blind Spot Monitoring with Cross Traffic Alert, Rear Parking Assist Sonar, and an available Driver Technology Package includes a Pre-Collision System with Dynamic Radar Cruise Control, Lane Departure Alert with Automatic High Beam Headlights and Safety Connect. Toyota Safety Sense P (TSS-P) driver-assist technology is now standard.

This latest iteration Highlander Hybrid handles spirited driving maneuvers deftly, and while not a sports car, it performs with surprising stability on the road, handling with an agile, on-center steering feel delivering a most comfortable ride quality.

Considering the wide grade range in terms of equipment and feature content, the 2019 Toyota Highlander Hybrid presents itself as an ideal mid-size, three-row SUV, providing several choices for a variety of consumers.

Bottom line, the Highlander Hybrid fills the bill as an outstanding and luxurious Hybrid SUV.



Toyota Highlander Hybrid (photo Arv Voss)

Toyota Corolla Hatchback Test Drive continued from page 2

some other systems. Pairing up your smartphone is a multi-step operation, and can be frustrating. Furthermore, the graphics for the optional navigation maps are confusing. Roads look like a jumble of squiggly lines. However, on the upside, Apple CarPlay is now standard.

Seats up front are well-contoured, and provide plenty of room for six-footers. Six-way adjusters are standard on the SE. The XSE gets heated seats, and a power adjuster for the driver. In the rear, headroom is sufficient for even tall passengers, but legroom is in really short supply. Yet, the rear seats do fold down, 60/40 style, to enhance the capacity of the rather limited 18 cu-ft. trunk.

Toyota powers the Corolla Hatchback with a new 2.0 liter, 4-cylinder engine that pumps out a modest 168 horsepower. This is the same motor that drives the Lexus UX200 I recently tested. It's not a barn-burner, but it's not sluggish either. Gas mileage is good at 32-mpg with the stick, and impressive at 36-mpg with the automatic.

A six-speed manual gearbox is standard, and a CVT automatic is optional. Like the Lexus, the CVT has a mechanical first gear. After launch, it transitions seamlessly to CVT system. The idea is to generate a quicker more natural-feeling

launch from stop. The system works very well. Paddle shifters are standard on models with CVT, and enhance driving fun.

On the road, the Hatch impresses with sportier than expected driving prowess. The steering is taut and sharp, providing a good feel of the road. The suspension is tuned to deliver responsive handling. This car is right at home on a twisty road. Yet, at the same time, the ride is compliant. The suspension is slightly firm, but absorbs bumps in the pavement very well. Furthermore, the cabin is reasonably quiet at normal freeway speeds.

The previous Corolla iM was noted for its extensive advanced safety features, the Corolla Hatch goes even further. The forward-collision warning and braking system can now spot bicyclists and pedestrians, even at night. Lane-Tracing Assist takes the lane-departure feature to a new level by keeping your Corolla centered in its lane, and the adaptive cruise control on CVT models will not only maintain a constant interval, it can bring the car to a complete stop. As before with the iM, blind-spot monitors are standard.

The Corolla Hatchback looks like a real winner in today's market. Pricing starts at just \$21,000 for the SE with manual transmission, and \$24,010 for the XSE. Models with automatic transmission are \$1,000 more.



Toyota Corolla Hatchback (photo Ed Barrett)



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Ford Bronco Making A Comeback

by Jordan Williams

continued from page 3
"We have heard our customers loud and clear", stated Joe Hinrichs, Ford's president of The Americas on https://social.ford.com/en_US/story/vehicle-type/suv/The-Ford-Bronco-is-Coming-Back.html, written by Cole Quinnell.

So, the new Ford Bronco will be manufactured at the Ford Michigan Assembly Plant in Wayne, Michigan and be a part of the Ford vehicle portfolio in 2020—coincidentally, this is where the 1966-1996 models were also built!

the look? Do you plan on buying one or test driving one? Let me know at Global Auto News!

See you next time Millennials!



What do you think? Do you like

GMC Terrain Test Drive by David Schmidt

continued from page 3
which there is. The interior is typical of this segment. Since it is a compact crossover there's not so much cargo and people space to keep buyers for looking up to mid-sized version. But for the market it serves, it offers a competitive amount of space.

size with its primary competition in the compact crossover segment.

this engine. It produces 252 hp. and 260 lb.-ft. of peak torque. Its rated mileage is 26 mpg in the city and 30 mpg on the highway.

The interior looks good, although you'll never decide you're in a luxury vehicle. The seats are comfortable and there's an airy feel to the cabin. The center screen works well to control the infotainment and other systems, providing an intuitive process. Apple CarPlay, Android Auto, and an onboard Wi-Fi hotspot are all standard.

This includes Chevrolet's Equinox, which shares much with the Terrain. Others are the Toyota RAV4 and Honda CR-V, Mazda's CX-5, Jeep Cherokee and the Ford Escape. Both Kia and Hyundai are fighters in this segment, perhaps the most competitive segment of the crossover market.

The base engine for the Terrain is a 1.5-liter turbocharged four-cylinder engine. This motor produces 170 hp. and 203 lb.-ft. of peak torque. Fuel efficiency is rated at 26 mpg in the city and 30 mpg on the highway.

The model I tested was the Terrain SLT with all-wheel drive. My test car had the nice 2.0-liter turbocharged four-cylinder engine. I would seriously recommend

The power from either engine goes through a nine-speed transmission. This modern and capable tranny makes the best use of the **continued on page 8**



GMC Terrain (photo David Schmidt)

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Toyota Corolla Hybrid “Test Drive”

continued from page 2

there is not much to work out in this new model. The switch between battery and gas propulsion is smooth with the ability to pull away from a stoplight under electric power alone. The powertrain occasionally makes a whirring noise when approaching stop lights that often gets your attention with a low siren sound. No police vehicles in sight, however.

The new Corolla hybrid surprises the industry by returning impressive miles per gallon numbers. Long hiway runs came back with what I consider record breaking levels. My best was 58.6 mpg without any tricks or hyper driving. Around town mpg numbers in the high 40's to low to middle 50 mile per gallon range. Total driving range can easily be in the 700 mile per tank range. This is an amazing example of what to expect from a well-done hybrid compared to a regular internal combustion power plant.

Safety and convenience features have not been overlooked. Toyota Safety Sense 2.0 pre collision system with pedestrian detection, full speed range dynamic radar cruise control, lane departure alert with steering assist are some of the safety items that make this 2020 model part of the latest technol-

ogy available. Electronic parking brake, star safety system, elect brake force distribution all add to the safety quotient.

Fabric six way adjustable driver's seat, four way adjustable front passenger seat complete the inside story. Eight inch touch screen, six speakers hands free blue tooth, usb media port with one usb charge port are also included inside. Siri eyes free, with apple car play compatible. 60/40 split fold down rear seat along with 7-inch color display.



Toyota Corolla Hybrid (photo Art Gould)

Automatic climate control with push button controls are a helpful addition.

Some interesting stats include the saving of \$3500. savings in fuel costs over 5 years compared to the average new vehicle. At the epa 52 mpg the annual fuel cost is \$800. compared to gasoline paved engines.

Check this out as hybrids when done correctly are starting to make more sense. Many of the benefits of gas paved without the electric vehicle delays.

GMC Terrain Test Drive

by David Schmidt

continued from page 7

power it gets. Unfortunately, in the base engine that isn't a really effective amount of power. While it will work for around-the-suburbs trips, on the highway the Terrain benefits from the 2.0-liter engine.

However, the Terrain makes up for that sluggishness by being quite comfortable and quite inside. The MacPherson front and multilink rear suspension is tuned to make the ride smooth and calm, which it does. This isn't a vehicle drivers are planning on throwing around the mall parking lot, so that suspension pliability is a good thing.

The Terrain's offerings aren't the least expensive of its competition, but GMC isn't interested in being seen as a “value” product. As they say, they offer “professional-grade” vehicles. With that in mind, the prices for the Terrain start at \$26,195 for the SL, \$29,295 for the SLE, \$32,095 for SLT, and finally \$38,995 for the Denali. The special Black edition costs \$795.

The model I tested was an SLT with AWD and plenty of options. Its list price was \$40,500.

If you have any questions, comments or ideas, please send them to comment@AutoWritersInk.com.

Pedestrian Monitoring Available On All Volkswagens except the Beetle, Jetta, and Passat

With millions of drivers and pedestrians sharing the road, it's more important than ever to help them do so safely. That's why Volkswagen developed its Pedestrian Monitoring technology as part of its Front Assist system to help drivers stay aware of other road users.

The applied technology that makes Pedestrian Monitoring possible is a small radar, a narrow square a few inches on each side that discreetly fits behind the Volkswagen emblem on the front of the vehicle. Able to work in daylight or darkness, the radar sweeps points located in an area within about 35 degrees and up to about 400 feet ahead of the vehicle hundreds of times per minute. The system then analyzes the data from the radar for the specific “signature” of pedestrians that are about to cross in front of the vehicle or walking away from the vehicle inside the vehicle's path.

If the car is traveling at a speed between about 4 and 18.6 mph, and the Pedestrian Monitoring detects movement in front of the vehicle, the system applies automatic braking to slow or stop itself to help avoid a collision, using a precise amount of braking force. At speeds between 18.6 and 40 mph, the Pedestrian Monitoring system sends both audible and visual alerts to the driver – and if the driver does not respond, then automatic braking engages. The system does not operate at speeds above 40 mph.

It is important to note that Pedestrian Monitoring may not work in all conditions and environments, for example when the radar sensor's vision is blocked by dirt or snow; it can only function within the laws of physics. But the radar technology can offer improved awareness of pedestrians in fog or harsh sun glare where a driver's vision might be hindered.

Currently, Front Assist with Pedestrian Monitoring is available on all 2019 Volkswagen models except the Beetle, Jetta and Passat; it's standard on the Arteon, Atlas, Golf, Golf R and Golf Alltrack and included on all but the base trim levels of other models. By 2022, Front Assist and autonomous emergency braking (AEB) are expected to be standard on nearly all Volkswagen models – an important step toward accident prevention.

INSIDE INDIA AUTO NEWS BYTES

by Bill McCallum

MESSE FRANKFURT ACQUIRES LICENSE TO ORGANISE BUSWORLD IN INDIA, FURTHER STRENGTHENING ITS MOBILITY SEGMENT

Messe Frankfurt Trade Fairs India Pvt Ltd, the Indian subsidiary of the Group, has acquired the license to organise Busworld - the world's leading B2B exhibition for the bus and coach sector from Busworld International CVBA. The agreement strengthens Messe Frankfurt's position as the leading exhibition organizer for the mobility segment. Busworld India 2020, the 9th edition in the series, will be organized in Bengaluru.

The mobility and logistics industries are facing radical changes globally. With 50 trade fairs, conferences and other events worldwide, Messe Frankfurt showcases the current state of the art in the automotive aftermarket, transport and logistics sectors – and where the future of mobility is headed. With Busworld India now in its fleet, Messe Frankfurt is targeting further portfolio development and expanding expertise in defined industry sectors in line with its corporate strategy.

Mr Raj Manek, Managing Director, Messe Frankfurt Trade Fairs India: “Businesses have to transform to meet the new market imperative. The Indian economy has already seen transport move up the public agenda and focusing on this niche segment and business interests of our stakeholders, Busworld will prove to be an excellent addition to our mobility portfolio. With this, Messe Frankfurt now has fairs covering automotive technologies, auto components, OEM manufacturing and aftermarket in one of the world's largest automotive markets – India.”

Starting its journey in 1971 in Kortrijk, Busworld has gone worldwide with several exhibitions covering all continents in Turkey, India, Russia, Kazakhstan, China, Indonesia and Colombia. With over 45 years of experience, it is today the oldest, biggest and most famous bus and coach exhibition. In India, Busworld made its debut in 2005 and with its consistent growth pace, has carved a niche as the most recognized international exhibition exclusively for the bus and coach industry.

Mr Vincent Dewaele, International Business Development Manager, Busworld International CVBA shared: “With some of the world's leading mobility shows, Messe Frankfurt demonstrates the right model to be a preferred partner for us in India. We see a lot of opportunities for the growth of this sector and are sure that with our global reach and Messe Frankfurt's regional expertise, it will be an ideal combination that can turn into a new growth phase for Busworld and its stakeholders globally.”

India is on an ambitious journey to electrify 30% of its vehicle fleets by 2030 as proposed by government think tank NITI Aayog. The Indian government is exploring new ways to switch to electric vehicles with a number of initiatives being implemented. Testing of operational feasibility of electric buses, cars, two-wheelers, rickshaws, taxis and goods vehicles, are already making in-roads.

INSIDE EUROPE AUTO NEWS BYTES

by Bill McCallum

ROLLS-ROYCE CEO HONOURED IN LEADING EUROPEAN AUTOMOTIVE INDUSTRY AWARDS

• Torsten Müller-Ötvös wins Superluxury CEO category in Automotive News Europe magazine's prestigious Eurostars awards for 2019

• Awards recognise automotive industry executives who have ‘stood out from their rivals by exceeding expectations’

• Judges cite launch of Cullinan and repeated record-breaking sales performance

The Chief Executive Officer of Rolls-Royce Motor Cars, Torsten Müller-Ötvös, has been named winner of the Superluxury CEO category at the 22nd annual Eurostars Awards presented in Frankfurt last night.

Awarded by leading professional industry journal Automotive News Europe, the prestigious Eurostars Awards recognise automotive industry executives who have ‘stood out from their rivals by exceeding expectations’.

Announcing their decision, the judges cited Rolls-Royce's commercial performance since Müller-Ötvös was appointed CEO in 2010. The marque has broken its own global sales record six times in nine years and is on course to post yet another strong year in 2019.

This year's strong showing is in part due to the spectacular success of Cullinan, the marque's first superluxury SUV, which was launched in 2018. The entire 2019 production run has already been allocated, driving both sales and profitability: the advance order book stretches well into the first quarter of 2020.

Torsten Müller-Ötvös said, “It is a great honour to receive this award, and I am grateful to the judges. Serving as CEO of the world's foremost luxury manufacturer has been the highlight of my career, and it has been a pleasure and privilege to see our company go from strength to strength over the past 10 years.

“In reality, however, this award belongs to the whole Rolls-Royce family. Our sales success is testament to their skills and dedication, of the entire team whether they are working at the Home of Rolls-Royce in Goodwood, or our global network.”





Distracted Driving Reaches All Time High According to Research of University Missouri

A distracted driver — such as answering a phone call, a text message, or being distracted by a passenger — is 29 TIMES MORE LIKELY to wreck in a work zone, says Praveen Edara and a team of researchers.

“Unfortunately, crash reports do not include detailed information about driver behavior prior to a crash,” Edara said. “What’s unique about our research project is that we used naturalistic driving study data that provides information about how driver, vehicle, roadway and environmental factors contribute to a crash. In other words, we reconstructed a driver’s actions and the surrounding environment prior to the crash from a firsthand account.”

The study’s results could provide recommendations on “behavioral countermeasures” to state transportation agencies and the Federal Highway Administration, which are implementing countermeasures to decrease injuries and fatalities in a highway work zone. Of the seven current Federal Highway Administration funded projects using this data, only MU is using the data to specifically look at highway work zones.

Bentley Bentayga Stetson Special Edition Arrives in Texas

continued from page 4

have been in the business for over one hundred years. Bentley started out in racing and coach building and Stetson supplying the finest cowboy hats in the industry. Stetson an iconic American brand since 1865 has been worn by culture setters from Buffalo Bill Cody to Ronald Reagan to Waylon Jennings.

The unveiling of the Bentley Bentayga Stetson Edition in Garland, Texas today started with a tour of the Stetson factory. The Bentley Bentayga Stetson Editions is a very capable off-road vehicle and can tow over 7,000 lbs. But

for luxury it’s hard to beat. This special edition costs \$246,578.00 and comes in a white sand exterior with interior colors of camel main hide, saddle secondary hide and burnt oak accents. Only two more will arrive in Texas one in October and one in November. This is an unparalleled experience for Western enthusiasts. Top speed is 180 mph, 0-60 mph in 4.4 seconds, 568 lb. ft. of torque at 1,960 rpm, the engine is a 4.0L v-8 Twin-turbo with 542hp.

Clients can customize their Bentley Bentayga Stetson Special Edition vehicle though Bentley’s personalized Mulliner team with an unlimited array of options. You can feel the luxury and quality and the design is exceptional. This vehicle is available at Bentley of Dallas, a Park Place dealership.



Bentley Bentayoga Stetson Special Edition

NEVER STOP DRIVING: A Better Life Behind The Wheel Book Review.....!

continued from page 1

A-list cadre of other top automotive journalists - presents the case for the mental and social benefits of driving and engaging with automobiles. It also shows you – from dreaming about a car to living with it—how to jump in and get the most from your machine. “The book is essentially a love letter to the art and act of driving,” says Webster. “With driverless cars on the horizon, it’s worth celebrating the fact that for many people there are enormous benefits to simply taking a drive in the country or getting dirty under the hood.”

The book celebrates the many benefits and pleasures of driving, racing, finding, owning and tinkering with cars, from the sense of freedom and adventure they offer to the sheer rush of commanding an object that represents a high point of human ingenuity and design. “When you see that green flag wave, you immediately undergo a sort of reversible lobotomy,” writer/racer Sam Posey muses. “Everything from your mortgage payment to your lingering self-doubts about your ability—it all vanishes.”

For some, there’s even a meditative aspect to cars. To them, owning, driving and maintain-

ing a car is an intentional act of being “in the moment,” a form of mechanical Zen, as it were. That focus drives out the distractions of modern life and demands that we be “present”.

Never Stop Driving even offers practical, how-to advice on choosing and buying that perfect weekend car from collector and dealer Colin Comer, who has bought and sold thousands of vintage cars over the past 33 years: “I think I have enough deals under my belt to know one thing: It doesn’t matter how many or what kind of cars you buy, there isn’t one of us who hasn’t screwed up at least once.”

Like no other book out there, Never Stop Driving shines a light in a new and profound way on why we find these machines so captivating and why, as a nation, our love affair with cars and car culture is certain to thrive long after the advent of the autonomous age.

Never Stop Driving: A Better Life Behind the Wheel, by Larry Webster. Published by Motorbooks | Available July 23, 2019 | Hardcover, 192 pages | \$28.00 USD, \$34.99 CAN | ISBN: 9780760363416

INSIDE CHINA AUTO NEWS BYTES

by Bill McCallum

Automechanika Shanghai 2019 embraces the evolving automotive ecosystem (December 3rd thru 6th, 2019)

Long-time supporters of Automechanika Shanghai eagerly await the 15th edition of the fair, and following another record breaking year, anticipation is higher than ever. The show stands as a dedicated platform for world-renowned industry leaders to connect at one of Asia’s most influential automotive trade fairs. This year, the show expands on the automotive ecosystem concept by not only covering the entire supply chain but also exposing more opportunities for research and development, insurance, investment, future technologies and more.

The show expects to host over 6,270 exhibitors across the impressive 350,000 sqm of exhibition space, which will occupy the venue’s current exhibition area. A growing number of special sectors, zones and fringe programme events will amplify many of the latest advancements and rising trends throughout numerous areas of the industry.

Ms Fiona Chiew, Deputy General Manager, Messe Frankfurt (HK) Ltd, said: “Over the past 14 editions, Automechanika Shanghai has continued to thrive alongside Asia’s automotive industry; China has now become the world’s largest auto market. When the show first opened its doors back in 2004, it hosted just 235 exhibitors and 9,000 visitors. In 2018, a staggering 150,568 visitors filtered through every corner of the NECC. It has continued to embrace change and nurtured development by way of new themes and elements. Looking to the future, we plan to collaborate further with research institutes, universities, industry organizations, finance and insurance firms, and the wider automotive community, so that we can work together and advance the fair’s automotive ecosystem.”

Developing an automotive ecosystem

Automechanika Shanghai will echo the progressing concept of the automotive ecosystem. The developing term comes as a result of rapid advancements in the industry that are currently remapping the automotive value chain. It zooms in on the concept of connectivity; not just through emerging technology, but also the notion of networks and knowledge sharing. As a result, Automechanika Shanghai will place more focus on digitalization, future technologies and services, as well as shaping more opportunities in the fringe programme, to work closer with research institutes and the wider auto community.

Digital trends spark new opportunities

The Tomorrow’s Service & Mobility sector will, once again, become a central area of the fair to demonstrate the show’s strengthened ability for emphasizing digital trends and connectivity. For instance, research suggests that the connected vehicle market in Asia Pacific is expected to reach USD 47.4 billion by 2023, expanding at a CAGR of 20 percent. As such, the sector shines a light on communication between the vehicle, infrastructure, pedestrians and networks. With this in mind, exhibitors will cover the latest innovations for electromobility, intelligent vehicle technology, car connectivity, mobility services, as well as lightweight materials and more.



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Legends of Auto Gala Dinner Event returning to Monterey August 13, 2020



Mikaela Hopkins, Curing Kids Cancer (left) and Brandy Falconer (right) Legends MC present Beau Boeckman with his Legends award (photo Auto News)



Alan Smith (left) Scale Racing Owner operates slot car track for Legend attendees at Gala Dinner (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 (photo by Joyce Chow)

Legends of Auto Gala Features Artists and Art from AFAS Members

Old Masters To Star at New Masters Gallery During Collector Car Week

The Automotive Fine Arts Society (AFAS) is expanding accessibility to member works by moving its legendary show during Monterey Collector Car Week to the New Masters Gallery in Carmel. The free exclusive art show, entitled, "Old Masters at the New Masters," will begin on Saturday, August 10 and continue through Sunday, August 18.

"For many years, AFAS member pieces were primarily available only for a few hours on the Pebble Beach Concours green during Collector Car week," said Ken Eberts, AFAS president and founding member. "With so many events now occurring across the Monterey Peninsula, it is difficult for patrons, fans and collectors to enjoy the show. Moving our show into Carmel and expanding the days it can be seen allows us to better feed the growing demand for automotive fine art. The 'Old Masters at the New Masters' show will make great art even more accessible to our global audience."

While the location may be new, the focus of AFAS's show continues uninterrupted. Member artists will show pieces that transform many of the automobiles celebrated during Monterey Collector Car Week into the rarefied realm of art.

"While there has been a great deal of reporting and speculation on new automotive technologies, automotive design continues to seduce consumers, both in showrooms and on the road," said William Motta, AFAS board member. "And within the global automotive market, design differentiation continues to be a prime motivator for many when choosing a vehicle. While countless cars and trucks have been sold on the merits of their appearance, only the finest designs can be appreciated and reinterpreted by the artist's eye while filtered through

the viewer's imagination."

The AFAS show's title, 'Old Masters at the New Masters', reflects both the years many AFAS members have been perfecting their craft and the show's venue, the New Masters Gallery in Carmel. The gallery, opened in 1974 by Bill and Jennifer Hill, began in a small space featuring six local artists. That modest beginning and subsequent growth parallels AFAS history; it began with a handful of artists and has grown into an international membership satisfying a global demand for automotive art.

"This will be the largest exhibit of automotive fine art available to the general public to enjoy for free during Monterey Collector Car Week in history," said AFAS board member Richard Pietruska. "We love the synergy expressed in the show's title and appreciate the efforts of Bill and Jennifer Hill in elevating the appreciation of art, in all of its many forms."

Artists showing pieces at the New Masters Gallery include:

- Dennis Brown
- Sandrine Blondel
- James Dietz
- Ken Eberts
- Peter Hearsey
- Yahn Janou
- Charles Maher
- Dan McCrary
- William Motta
- Richard Pietruska
- Stanley Rose
- Barry Rowe
- Tony Sikorski

While the AFAS show continues to reflect the collective passion for automotive history, the New Masters Gallery exhibit allows member works to be viewed by those visiting the area for the Pebble Beach Concours, auctions and vintage racing at their own pace. It also gives those residing in or visiting Carmel, long known as one of the West's most established art communities, the opportunity to see the pieces without purchasing an event ticket.

Polestar Press Event in Seattle Kicks Off United States Product Launch

Polestar, an electric car brand jointly owned by Sweden's Volvo Car Group and China's Zhejiang Geely Holding, will launch its second car and first all-electric vehicle in the city next year. Seattle was the first stop on Polestar's road show with the new car Wednesday ahead of retail store openings mid-2020.

The four-door sedan will cost U.S. customers \$55,500. The company is focusing its U.S. sales in California cities and in Seattle, Global Chief Operating Officer Jonathan Goodman said,

though it will sell and deliver cars nationwide online. The company aims to sell tens of thousands of Polestar 2 vehicle globally.

"We looked at what are the towns that we need to be in as a first start," Goodman said. "So we looked at Los Angeles, San Francisco, Orange County, and the one that always came out as well was Seattle. When you look at the EV infrastructure, when you look at the way the town is embracing new tech and everything else, it seems an obvious place for us to come."



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CARS, STARS AND FILMS



Joyce Chow Attends the Audi pre-Emmy Celebration at Sunset Tower in Hollywood

continued from page 2

to me is such a great hero car in tv and film” shared two-time Emmy winner Vincent De Paul.

Elizabeth Banks (Charlie’s Angels) and Laura Dern (Big Little Lies) were seen chatting and Dern had a Big Little Lies reunion with Emmy nominee Jean-Marc Vallee (Sharp Objects).

Poolside and overlooking a

everyone, at least in jest. In addition to Watts, there was also a live DJ performance by Alexandra Richards.

Additional Emmy nominees attending included: Brett Gelman (Fleabag), Asante Blackk (When They See Us), Marti Noxon (Sharp Objects), Glynn Turman (How to Get Away with Murder) and Our Lady J (Pose). Additional

“Laura Dern, Milo Ventimiglia and Charlie Barnett (Arrow) struck poses in the black and white portrait studio by The Collective You.”

twinkling of city lights, long lines formed waiting for sashimi and sushi handrolls including crab, salmon, scallops and toro from well-known Los Angeles favorite Sugarfish.

Laura Dern, Milo Ventimiglia and Charlie Barnett (Arrow) struck poses in the black and white portrait studio by The Collective You. Guests patiently waited.

DJ Reggie Watts closed the evening giving away Audis for

celebrity and VIPs included: Anne Winters (13 Reasons Why); Brian White (Ray Donovan); Cat Deeley (TV Personality); Frank Grillo (Avengers: Endgame); Hart Denton (Riverdale); JB Smoove (Curb Your Enthusiasm, Spiderman); LaKeith Stanfield (Atlanta); Lauren Ash (Supergirl); Leila George (Animal Kingdom); Tinashe (Recording Artist) and William Jackson Harper (The Good Place).



Milo Ventimiglia attends the Audi pre-Emmy celebration at Sunset Tower in Hollywood on Thursday, September 19, 2019. (Photo by Joe Scarnici/Getty Images for Audi)

Curing Kids Cancer - SubStation II has a Heart for Cures

This Southeastern based company is sharing its heart for cures!

This year Curing Kids Cancer was ecstatic to team up with SubStation II, a southeastern based sandwich shop franchise. After hearing the Owen family’s story, Sandy Corbett, SubStation II’s President/CEO and Allison Corbett, Director of Development, were ready to jump into action.

The Curing Kids Cancer heart is a special logo and now it is helping to spread even more awareness for the lack of funding for childhood cancer research. All SubStation II franchise owners were excited to join us in raising awareness during National Childhood Cancer Awareness Month. Each store is taking a donation for each icon, displaying banners as well as digital

boards about the partnership. On Thursdays employees wear gold cobranded T-shirts and corporate stores donate 10 percent of their earnings of the day to Curing Kids Cancer!

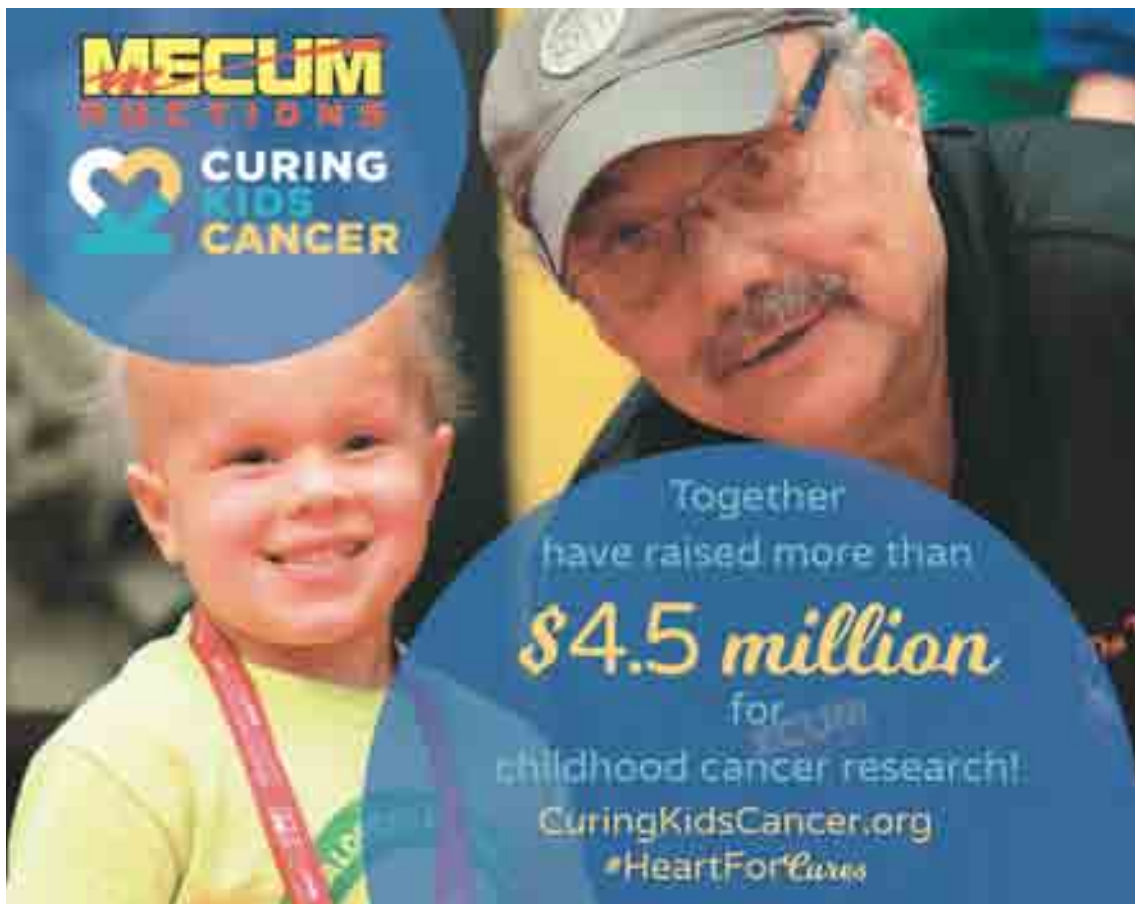
SubStation II also has its own connection to pediatric cancer as a franchise owner from Greer, S.C. had a granddaughter affected by a brain tumor. We are excited to say



that their granddaughter is doing well! In next month’s newsletter, we will share her story as well as the grand total of this first year campaign.

We cannot thank SubStation II

enough for teaming up with us this September! SubStation II has 43 shops in five states so please visit one near you! Click here to learn more about SubStation II and Curing Kids Cancer.



CKC Co-founder and President Grainne Owen with Jerry Queen from SubStation II.

Ride & Drive: Volkswagen Beetle at Bear Creek Golf Course



2019 VW Beetle at Bear Creek Golf Course (photo Auto News)

THE RIDE:

The VW Beetle pictured above is in its final year of production, It has been an all time best seller for VW dating back to the 1950's Labeled as the "Peoples Car" the VW Beetle was one of the first cars sold around the world after World War II and helped grow VW and it's subsidiaries to the largest car company in the world.

At a \$23,045 MSRP as tested, and 33 MPG on the highway you can see why the Beetle was and is so popular.

THE DRIVE:

Your drives on the 9 hole Bear Creek golf course located in the Methow Valley outside of

Winthrop, WA will land on well groomed fairways. Bear Creek is managed by Laurie and Mike Hilton. Their two daughters also help around the club house when they are not in school or on the course. The snack bar offers food & beverages. There are separate tees when you tee it up for the second nine. The 18 hole yardage is 6,271 yards from the men's tees and 5,310 yards from the ladies tees. We recommend Bear Creek at Winthrop, WA as part of your Northwest hiking, cycling, camping, fishing, hunting, river rafting, or your road-trip vacation in Eastern, WA. For additional information: Call-(509) 996-2284 or visit - www.bearcreekgolfcourse.com

Sally Hanson Visits Florida's Biscayne National Park In A Toyota Camry



Toyota Camry enters Biscayne National Park's Dante Fascell Visitor Center (named for a former congressman who was a dedicated supporter of the National Park's creation).

continued from page 3

cylinder engine. Florida drivers are in a hurry to get somewhere, so I quickly got accustomed to acceleration. Fuel economy in the Camry averages 32 mpg from the 2.5-liter four cylinder engine paired with an eight speed automatic transmission.

Our destination was Biscayne National Park's Visitor Center at Convoy Point, which sits on the bay shore nine miles east of the city of Homestead. The park borders the metropolitan area of Miami with 95 percent of the park area consisting of waters of the Biscayne Bay and Atlantic Ocean.

The park provides a respite from hectic metropolitan life with a place to spot dolphins, manatees, American crocodiles or just enjoy the natural sounds in a quiet place. The closest the Camry came to enjoying the incredible flora and fauna in the park was the parking lot at the Biscayne National Park's Visitor Center.

A quarter-mile jetty trail at Convoy Point offers a glimpse of the above-water world of Biscayne, but to experience the park requires a boat trip. Convoy Point is the center for park activities, the starting point for boat tours, and the rental location for canoes, kayaks and paddle boats. One of the park's most popular activities is a three-hour trip on a glass-bottom boat, which crosses Biscayne Bay, passes the Keys that form its eastern edge, and continues to the reefs, beyond the Keys.

There are four ecosystems in the park: mangrove, Biscayne Bay, islands and coral reef. The park protects the longest continuous mangrove shoreline on Florida's east coast. Biscayne Bay sustains 70% of the area's vital fish, crustaceans, and shellfish. The islands are composed of an ancient coral reef and mark the beginning of the Florida Keys. The coral reef is one of the most diverse wildlife communities on earth.

Even though the water adventures greatly outnumber the driving opportunities in Biscayne National Park and the Camry was parked while we enjoyed the birds, plants, animals and sea life, the Toyota Camry's eighth generation sedan was definitely rested up and ready to go for a cruise further down the Keys to Key West.

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*Excludes taxes, license, title, and other available add-on services. Some restrictions may apply. Taxes & license vehicles only. Excludes driving & parking fees. Offer good only while supplies last. Offer ends 12/31/19. See dealer for details.

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\$109⁹⁵

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We make the buying process EASY

Hyundai Sante Fe Test Drive Review

by Bill McCallum

The 2020 Hyundai Santa Fe LTD 2.0T AWD was my ride on a recent road trip from Los Angeles to Phoenix and back with a stop in Palm Springs. There are seven features that separate the Santa Fe from the crowded field of mid-sized SUV's. 1- Visibility, best in class. 2- Quiet ride, no road noise. 3- Room, three row seating with lots of space for gear. 4- Simple, easy to use infotainment panel. 5- More than enough power-to-pass. 6- MPG, 30 + on the highway 7- Comfortable drivers seat design.

It's easy to understand how Hyundai has created a position of leadership in the SUV segment with the Hyundai Santa Fe, the compact Kona SUV, the mid-sized Tucson SUV and the all-new Palisade SUV. (see page 1 Palisade story) the 2020 Hyundai Santa Fe offers 6 Advance Safety Technology Standard Safety features that make city or open road driving safer for you the driver and your family. 1- Forward Collision Avoidance Assist. 2- Blind Spot Avoidance Assist. 3- Rear Cross Traffic Collision Assist. 4- Lane Keeping Assist. 5- Stop and Go Surround View Mirror. 6- Rear Occupant Alert

The 2.0L Turbo GDI engine gives you the "power-to-pass" and is mated with an 8-speed AT. With a starting MSRP of \$26,480 (\$39,200 as tested) the Hyundai Santa Fe deserves a look and a test drive.

Is America's Power Grid Ready for Electric Cars?

continued from page 5

the process. Converting all those road miles to electricity would place new demands on the nation's system for producing and delivering electricity.

As part of a major energy infrastructure study, we are seeking to understand how an increase in electric vehicles (EVs) might change how energy is supplied and consumed. So far, we have figured out the impact of electric vehicles will depend on where you live and when they are charged.

Estimating how much electricity EVs will demand

Using a similar technique featured in our recent paper on hydrogen vehicles, we developed a state-by-state assessment of the amount of electricity that would be needed to charge an electrified fleet of personal cars, trucks, and SUVs.

We started by estimating the amount of gasoline every county consumes today. We then converted vehicle miles traveled into electricity requirements based on the efficiency of today's EVs.

Admittedly, these methods have limitations. The number of miles traveled could change significantly if autonomous vehicles become commonplace and more people rely on Uber, Lyft, and other vehicle sharing services, for example. **continued on page 19**

SHOWCASE REVIEWS

ACURA RDX SH-AWD A-SPEC



This popular SUV from Acura is built on a new platform. With new seat designs and new infotainment system you are "styling" inside the cabin.

BASE PRICE: \$38,295
TYPE: SUV
ENGINE: 2.0-Liter
TRANS: 10-speed AT
HORSEPOWER: 272 hp
MPG: 21 city / 26 hiway

HONDA CIVIC 4D TOURING



This value based Honda is loaded with new safety features and above average MPG. With new designs and more room it's a "winner".

BASE PRICE: \$27,300
TYPE: Sedan
ENGINE: 1.5 Liter
TRANS: CVT
HORSEPOWER: 174 hp
MPG: 30 city / 38 hiway

KIA SOUL GT-LINE



The Kia Soul is classified as a hatchback, but most consider it as a small SUV. Lots of room, nice value good mpg and fun to drive.

BASE PRICE: \$17,000
TYPE: Hatchback
ENGINE: 1.6 Turbo
TRANS: 7-speed
HORSEPOWER: 201 hp
MPG: 27 city / 32 hiway

LEXUS GX460 LUXURY SUV



Lexus carries on as a leader in luxury SUV's with the GX460. Big, bold, comfortable. Lots of room and fast. Loads of safety features and new technology.

BASE PRICE: \$53,000
TYPE: SUV
ENGINE: 4.6 liter V*
TRANS: AT
HORSEPOWER: 391 hp
MPG: 15 city / 18 hiway

MAZDA CX-9



This 3-row Crossover SUV has been a popular seller for those looking for extra room for passengers and gear. Nice value and MPG.

BASE PRICE: \$33,500
TYPE: SUV
ENGINE: SKYACTIV-G 2.5T
TRANS: 6-speed AT
HORSEPOWER: 227 hp
MPG: 20 city / 26 hiway

VOLVO S60 T6 R-Design



The Volvo S60 T6 is a premium offering from Volvo loaded with new safety features, above average MPG and an elegant interior.

BASE PRICE: \$38,000
TYPE: Luxury Sedan
ENGINE: 2.0L Turbo I-4
TRANS: 8A
HORSEPOWER: 316 hp
MPG: 26 city / 36 hiway

*** all information on vehicles as tested

autonewsonline.com/showcase-reviews

Mecum Unveils Bullitt Mustang Hero Car to be Auctioned at Kissimmee 2020 (See backpage Ad)

The 1968 Mustang GT Driven by Steve McQueen in Classic Film "Bullitt" to Cross the Block During the World's Largest Collector Car Auction

After more than 40 years spent so well hidden that most believed it had been destroyed, the hero car from the Warner Bros. movie "Bullitt" reemerged in January 2018 at the North American International Auto Show in Detroit, and it's now slated to cross the Mecum auction block at the world's largest collector car auction this coming January in Kissimmee, Florida. Known simply as "Bullitt" after its namesake motion picture, the original Highland Green 1968 Mustang GT was driven by the "King of Cool" Steve McQueen at dangerously high speeds through the busy streets of San Francisco as the hero car in one of his most memorable motion pictures, and it is now on the fast-track to joining the ranks of the most valuable American-made collector cars ever sold at auction.

One of just two Mustangs used to fill the role in the 1968 action/thriller "Bullitt," named after main character Lt. Frank Bullitt played by McQueen, this car was the film's "hero" car and was driven by McQueen in countless scenes throughout the movie, including in the infinitely famous car chase scene, which went on to become the most influential car chase scene in all of film history. After the filming of "Bullitt" concluded, this car was sold to a private buyer and

was thought lost to history until its unveiling for the 50th anniversary of "Bullitt" just last year. The car—considered by many to be the world's single most recognizable and celebrated vintage Mustang—remains in original condition and retains many distinguishable and unique elements from the movie.

The announcement of the car's upcoming offering at the Jan. 2-12 Kissimmee 2020 auction was made at Mecum Monterey 2019 with auto and entertainment reporters, photographers, social media influencers and others looking on as the Bullitt Mustang was presented under tight security in a one-car "glass house." Longtime owner, Sean Kiernan, was present alongside Mecum Auctions President and Founder Dana Mecum for the reveal and announcement of the car's impending sale, and it proved to be an emotional unveiling for the second-generation caretaker who originally inherited the car from his father.

Last seen at LeMay—America's Car Museum in July, the 1968 Bullitt Mustang will be exhibited at various automotive events around the country leading up to the Mecum Kissimmee 2020 auction in January.

For interview and photo requests, please contact dmorton@mecum.com.

For more details on upcoming auctions, to consign a vehicle or to register as a bidder, visit Mecum.com, or call (262) 275-5050 for more information.



Dana Mecum and Sean Kiernan Address the Crowd at Mecum Auctions in Monterey



Bullitt Mustang Being Revealed at Mecum Auctions in Monterey

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WOMEN in the AUTO WORLD

WOMEN IN THE AUTO WORLD

WOMEN in the AUTO WORLD

Sarah Deccio Auto News Dist. Mgr. Launches Another Career with Her Pencil Drawings

Sarah Deccio, who was featured in a previous "Women in the Auto World" special has added another chapter in her portfolio of automotive related activities. Sarah joined Auto News seven years ago as a spokes model. Within a few years she was appointed Distribution Manager and has helped expand the Auto News distribution network in Northern CA, Nevada, and Idaho. Sarah has been a practicing artist specializing in pencil drawings for

a number years. She is launching her own company "Drawings by Sarah" and will be displaying her pencil drawings of cars, trucks, and pets at Northwest Car Shows. (see photos on this page) If interested in a original one-of-kind pencil drawing of your car, truck, or pet - send a photo with your CONTACT INFO to AUTO NEWS - P.O. Box 3327 - Bellevue, WA 98009 or bill@autonewsonline.com



Sarah, Team Auto News with Toyota 4Runner (photo Auto News)

HOW TO ORDER A Pencil Drawing of Your Special Vehicle:

* Email 3 Photos (Front, Side, Angle) To: SDeccio357@hotmail.com

* Mail (Snail) \$175 Check To: Sarah Deccio c/o Auto News • P.O. Box 3327 • Bellevue, WA 98009



Alan Smith, Scale Racing Center Owner Displays Sarah's Pencil Drawing of his Car



Sarah Deccio, Auto News Distribution Mgr. Displays her Pencil Drawing of her Truck



Caanon Russell, Owner, Ming's Zen Gallery in Issaquah with Pencil Drawing of his FJ Cruiser



Gary Williams, Auto News Feature Editor & Contractor at future site of Global Auto News Headquarter in Hollywood Hills. To be completed Q4 in 2020.

McCormick's 67th Auction Scheduled for November 22, 23, & 24 in Palm Springs

Breaking Classic Car News - 1969 Jaguar XKE Roadster Heads To McCormick's Auction Block In Palm Springs, California...this vehicle has had the same owner since 1970, he purchased the car when it was two months old from fellow Navy fighter pilot friend and it has been his pride and joy ever since. 27-time driven class winner in local/regional events. In addition to the 27 Driven class trophies, this car was also National Jaguar Club of North America winner in the Driven class in 1998 and 2004. San Diego has been home to this car throughout its life. The car received a total engine and

drive train overhaul in 1989, and total restoration of the remainder of the car followed immediately thereafter. This included new wire wheels, replacement of windshield, convertible top, side windows, chrome, gas tank, and interior upholstery. In 1990 I had the car repainted to my favorite Jaguar color Opalescent Blue. In February of 2018 extensive rework was done by Classic Showcase (cost \$13,123), and additional rework was accomplished in 2019, including new clutch and installation of a brand new five speed transmission (cost \$16,810). All maintenance and upgrade receipts are available.



1969 Jaguar XKE to be sold at McCormick's Auction

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Friday, Saturday and Sunday Lots are \$300, \$400 for prime time and \$600 for covered canopy lots. No numbers will be reserved without consignment fee being paid in full. Visa, Mastercard and AMEX are accepted. Positions will be filled on first-come, first-served basis. To reserve the position you desire, send your check covering the entry fee or phone in your credit card number. You may specify the cars you're entering at a later date. Entry fees are REFUNDABLE less \$50 handling fee if you notify us in writing 14 days prior to the auction. Color photographs may be included in our exclusive color brochure. We strictly limit the number of positions available in this three-day event of 580 cars. COMMISSION STRUCTURE: FLAT 6% OF SALES PRICE (One of the lowest in the business). **WE SOLD OUT OF LOT NUMBERS DURING OUR PREVIOUS SALE SO BOOK EARLY.**



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Convention Center
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SALEEN Cup Delivers Single-Make Exotic Racing

The Saleen Cup is the first-ever "arrive and drive" racing series. Drivers apply to rent a race car, and all 20 cars are kept in track-ready status by Saleen. This series based on Saleen cars, offers prospective drivers and a turnkey, once-in-a-lifetime racing opportunity where all cars are equal—allowing the best driver to showcase his or her skills.

The Saleen Cup Series takes place during the second half of the 2019 Blancpain GT World Challenge America series. This race in Portland is the inaugural round of the Saleen Cup. After this, the series heads to Watkins Glen, Road America, and then a finale at Las Vegas Motor Speedway.

The Saleen Cup series includes two 50-minute races at each event. Two driver are permitted behind the wheel of each of the 20 cars. The series includes two separate categories: Young Drivers (less than 23 years old), and Gentlemen Drivers (23 and older). At the conclusion of the five-race series, the top driver from each category will secure a paid ride in Saleen's GT4 America entry for the entire 2020 season!

The cost to drive in the Saleen Cup series is \$42,000 per weekend, or \$170,000 for the season. Because the Saleen 1 Cup series features two-racer teams, the cost to participate can be split between

two drivers. That makes a per driver cost of only \$21,000. Contact the Saleen Cup staff at this event if you're interested in signing up.

Saleen 1 Cup Car Technical Specifications

- Racing version of the new Saleen 1 supercar
- Engine: 2.2-liter turbo four-cylinder
- Horsepower: 450
- Weight to power ratio: 3 Kg/HP
- Holinger sequential gearbox with paddleshift
- Adjustable racing suspension
- TM Performance racing brakes
- Front: 6-piston calipers, 380mm disks



Steve Saleen with S1 at Portland Race

The Tucson Holualoa Marathon is Scheduled for December 7th

The Tucson Marathon exudes the beauty of the Sonoran desert, the ease of a pleasant downhill course, the opportunity for a Boston qualifier and a great place to visit in

December. In anticipation of a very positive impact to locals and visitors alike, we invite our runner/walker friends to come to Tucson and enjoy our great winter weather.

HOLUALOA
Tucson Marathon

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7:00 am

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Destination Tucson - For A Great Marathon, Half Marathon or Relay

For over twenty five years, north-west Tucson, Arizona has been the site for the popular Holualoa Tucson Marathon, Damascus Bakeries Half Marathon & Marathon Relay. Host and race director Pam Reed, well known for her ultra-marathon feats, will be there to ensure the race meets everyone's expectations.

The combined events will draw an expected 2,300 competitors and roughly the same number of spectators, which includes runners from around the nation eagerly trying to qualify for the Boston Marathon and others just trying to accomplish their own personal goals.

The Damacus Bakeries Half Marathon is a shorter option that sees fast times over the 13.1-mile distance. The events support local school and civic groups in the Tucson area.

The course and ideal weather draw runners from colder climates who love to run a marathon in December in typically ideal running conditions. The marathon runners line up in the historical town of Oracle winding their way around the town for six miles until the course reaches SR 77. Traveling along the majestic Santa Catalina Mountains, through the quaint towns of Oracle and Catalina, the course brings the runners to the Golder Ranch Fire Station. The Half Marathon starts on Biosphere Road and follows the second half of the marathon course. Both the Full and Half Marathon events are USA Track & Field certified and all results are sent directly to Boston.

For those who do not want to tackle the longer distances the Marathon Relay requires four runners, each running a proportionate leg of the marathon course. A Pre-Race Expo on Friday, December 6 (9am until 7pm.) will be held at the Hilton El Conquistador Resort, 10000 N. Oracle Road. Late registration and packet pick up will be available at the Expo. There will be no packet pick up or registration for the long distance events on race morning so runners who have not registered must do so at the Race Expo.





OEM & AFTERMARKET PARTS



Arnott® Introduces New Rear Air Springs for Range Rovers® & Range Rover Sport

- Arnott's new air springs feature a high-impact resin top mount and bottom piston
- The Arnott air springs are assembled with an OE-quality air sleeve
- Arnott replacement air springs are designed, assembled and tested in the U.S.

Arnott, the industry leader in aftermarket air suspension products, has introduced new aftermarket replacement air springs for the 2013-2018 Range Rover and 2014-2018 Range Rover Sport.

Arnott's new rear air springs A-3025 for the 2013-2018 Range Rover L405 chassis and A-3027 for the 2014-2018 Range Rover Sport L494 chassis feature an OE quality air sleeve, heavy-duty crimping rings and high-impact plastic resin top and bottom pistons.

United Pacific Industries Launches New Classic Car Parts E-commerce Website

In an effort to better serve their classic auto enthusiast customers, United Pacific Industries has introduced an all-new online shopping website: UPcarparts.com. This website allows users to easily search for items by product name, key word or part number while also providing the option for customers to peruse all available products for classic Chevy and Ford automobiles as well as merchandise such as a t-shirt, gift items and car accessories.

United Pacific has released the new site with clean and modern designs. Online shopping at UPcarparts.com provides the United Pacific brand experience to the customer. Customers can easily search products and add them to their shopping cart, which is a brand-new feature for the company. Listed on the site are more than 6,000 parts and accessories for automobiles such as the 1932 Ford vehicles, 1966-89 Ford Mustang,

1966-77 Ford Bronco, Chevrolet C-10 and more.

Additional features of the website include customer registration for email notifications, customer support and a blog and news section. United Pacific has created a mobile-ready version of the site as well. The website is also extremely protected, giving customers the security necessary to confidently purchase products from the website.

"We are thrilled to launch the UPI e-commerce website for U.S. customers. This significant milestone adds another layer to the buying experience. Our U.S. customers will now have 24 hour access to the best of UPI's car parts and accessories via their computers, smartphones and tablets from anywhere in the U.S.," said Jai Baek, marketing and creative director for United Pacific Industries.

The new website is currently live, and customers can visit the

site to make purchases of all of the products they need to rebuild or customize their classic vehicle.

About United Pacific Industries

United Pacific Industries is a leading manufacturer of heavy duty truck and classic vehicle parts. With parts engineered with superior reliability to meet the demands of customers and auto-

enthusiasts, United Pacific sets the standard for quality, design and innovation. More than 20,000 parts are available from United Pacific for big rigs and classic cars. For more information, call 866.327.5288 or visit UPcarparts.com. Follow United Pacific: facebook.com/UPcarparts or Instagram: @unitedpacificlongbeach.

All-New Jeep Gladiator Test Drive

continued from page 6

This automatic was what I drove and it works flawlessly whether on the freeway or handling 5,000 rpm in low-range off-road. This V6 makes 285 hp and 260-lb-ft of torque—it also comes standard with an engine stop/start fuel saving feature.

You know, the last time Jeep offered a pickup was 28 years ago. With an absence from the truck

market that long my expectations were high—and Jeep's need to deliver was even higher. They did it.

As the day wore on, I couldn't find a fault with this new mid-size truck on-road or off. Though I didn't have a chance to tow with it (I will get to that this summer) the overall performance and interior livability of this Jeep is simply put—very good.



All-New Jeep Gladiator (photo Howard Elmer)

Is America's Power Grid Ready for Electric Cars?

continued from page 14

However, we believe our approach provides a good starting point for estimating future electricity demand if EVs become the norm.

Regional impacts

The U.S. electric grid has continually evolved to accommodate new demands throughout the last century. But if the nation's vehicles were to rapidly become electric, the grid would need to change faster. Depending on local driving habits and the grid infrastructure that's already in place, our analysis shows that EVs will have different impacts in different regions.

Since Texas and California consume more electricity than any other states, they provide a good snapshot of what a future filled with electric vehicles might look like. In both cases, an increase in EVs would drive consumption higher, with the potential to strain local infrastructure.

If virtually all passenger cars in Texas were electrified today, the state would need approximately 110 more terawatt-hours of electricity per year—the average annual electricity consumption of 11 million homes. The added electricity demand would result in a 30 percent increase over current consumption in Texas.

By comparison, because of a more temperate climate, California might require nearly 50 percent

more electricity than it currently consumes if passenger vehicles in the state were fully electrified. That means California would need to generate an additional 120 terawatt-hours of electricity per year.

A tale of two grids

A look at the two states' grids demonstrates how reliance on EVs for mobility could vary from place to place.

On hot summer afternoons, Texas uses about half of the electricity it generates to power air conditioning to keep buildings cool. The large seasonal variations in electricity demand due to air conditioning means the state has power plants that sit idle throughout many hours of the year. The spare capacity during off-peak hours could make it easier for Texas to meet future electricity demands of EVs.

California's more temperate climate means the state needs less electricity on summer days, and less demand variability on the grid overall. As a result, California has less generation capacity available than Texas to meet future charging demands from electric vehicles.

In 2018, the Electric Reliability Council of Texas, the organization that manages most of Texas's electric grid, hit a new peak demand of roughly 73 gigawatts on July **continued on page 21**



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TECHNOLOGY

“VAN POWERHOUSE” - Mercedes-Benz of Lynnwood Gambles on Commercial Vans & Wins

continued from page 3

on their policy of putting “the customer first, no matter what”. By 2015, owner John Halata and his team had led the dealership to two prestigious “Kundendienst” customer service awards, along with having won the Best of the Best award from Mercedes-Benz USA two years in a row. Given their history, things were going well with mainstream luxury vehicles. But when the Sprinter was released, Halata and his team had the foresight to invest heavily into vans.

“It just made too much sense, Sprinter Vans required less maintenance, were more maneuverable, were more versatile, and held better fuel economy numbers than standard commercial vehicles.”

So, when many of the other Mercedes-Benz dealerships were trading lightly into Sprinter retail, MB Lynnwood dove in feet first ordering as many as they could.

This move paid off for Halata and his team. When America caught on to the benefits of driv-

ing a MB van; sales soared, orders backed up, and manufacturing couldn’t keep up with the demand. MB Lynnwood’s commercial division led by Lance Frigard grew over 200%, while Sprinter sales experienced double, sometimes triple digit growth nationwide. By 2014, Mercedes-Benz of Lynnwood had become the largest Sprinter dealer in the Pacific Northwest; and they again decided to double-down on vans and their customers, investing over \$8,000,000 in a new Van Service facility.

Today, MB Vans has gained a cult-like following in the United States. With the market recognizing its versatility. Sprinters have been used for everything from commercial vehicles to ambulances, luxury limos, and “week-end warrior” campers. MB USA has invested \$500 million in a new South Carolina plant to speed up production, and Mercedes-Benz of Lynnwood remains a partner in this effort.

Through their investments, MB Lynnwood has the largest

Van service facility in the PNW allowing them, to service their customers as quickly as possible. I toured their facility, and you can tell that it was built with efficiency in mind. Every turn, garage door, and work bay was built with an engineering standard that only Mercedes-Benz would accept and meant to shave minutes off of service times. In alignment with their “customer first” model, MB Lynnwood also has a fleet of loaner commercial vehicles so that their clientele never have to have their businesses halt while their vehicle is in service.

“These Sprinters are our clients offices, their livelihoods. We want to make sure that we get them in and out as fast as possible to minimize down-time for them” stated Lance Frigard.

The Sprinter has also grown with Mercedes-Benz efforts. The 2019 model features a complete redesign, with significant improvements to driving characteristics, added creature comforts

(USB charging ports, improved air conditioning, 110-volt outlets to power a laptop, and WiFi connectivity). New technology such as wind assist, and electric steering makes maneuvering the vehicle a task that can be done with one finger. Safety is also always at the forefront with MB; artificial intelligence allows drivers to gather information without taking their

eyes off the road, and “coffee warnings” remind drivers to take a break if it notices the driver nodding off.

If you want to check-out the new 2019 Sprinter, or need service done, make sure to meet with Lance Frigard at Mercedes-Benz of Lynnwood (lancefrigard@mblynnwood.com | (425) 280-5552).



Sprinter Van at Mercedes-Benz of Lynnwood



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Alan (left) Scale Racing Center owner hosts slot car competition at Legends Gala (See Story on Page 10)



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TIRES

Yokohama Launches New Winter Tires

Winter is coming...and Yokohama Tire is ready with the launch of two new products: the iceGUARD® iG53 and iceGUARD® G075.

“Both are premium winter tires that are ideal for the toughest icy conditions,” said Bob Abram, Yokohama’s senior manager of consumer product planning. “Besides offering exceptional ice/snow traction and all-around performance, the iceGUARD iG53 and iceGUARD G075 feature additional benefits such as improved fuel efficiency, longer treadlife and a quiet ride.”

The iceGUARD iG53 is designed for passenger cars and minivans, and comes in 32 sizes with 14- to 18-inch fitments, while the iceGUARD G075 is for crossovers and SUVs, and is available in 37 sizes in 16- to 20-inch fitments.

The highly advanced iceGUARD

iG53 and iceGUARD G075 stick to the road in harsh, winter weather due to the new directional tread pattern that increases the contact area and maximizes the edge effect on icy/snow surfaces. The tread pattern features zig-zag-shaped main and intermediate grooves, a wide center rib, micro diagonal grooves and 3-D triple sipes.

Additionally, the iG53 features Yokohama’s new absorptive tread compound, which lowers the risk of micro-hydroplaning on icy surfaces by putting the tire into contact with the ice rather than the water.

The G075 features a high-density reinforced compound, which allows for a more stable tread block that provides optimized road contact and longer, more even wear.

Fuel efficiency gains for both tires come from the newly developed, low-heat generating under tread compound,

which increases stiffness and contributes to low rolling resistance.

For more information on all of Yokohama’s winter tires, visit <https://www.yokohamatire.com/winter-tires>.

About Yokohama Tire Corporation

Celebrating its 50th year in the U.S., Yokohama Tire Corporation is the North American manufacturing and marketing arm of Tokyo, Japan-based The Yokohama Rubber Co., Ltd., a global manufacturing and sales company of premium tires since 1917. Servicing an extensive sales network throughout the U.S., Yokohama Tire Corporation is a leader in technology and innovation. The company’s complete product line includes tires for high-performance, light truck, passenger car, commercial truck and bus, and off-the-road mining and construction applications.



Yokohama - iceGUARD Winter Tires

Is America’s Power Grid Ready for Electric Cars?

continued from page 19

19. Looking at the off-peak hours for July 19, 2018, we found the ERCOT grid had spare capacity to provide more than 350 gigawatt-hours of additional electricity if idled power plants continued to operate throughout the day, not just during peak demand.

Based on our estimates, the charging requirements for a fully electrified fleet of personal cars in Texas would be about 290 gigawatt-hours per day, less than the available surplus of generation capacity. In other words, the Texas grid could theoretically charge a fully electrified vehicle fleet today if vehicles were charged during off-peak hours.

When we did the same analysis for California, however, we found that if EVs become the norm, it could push the total demand for electricity beyond the existing capacity of the Golden State’s grid.

Timing is everything

Perhaps even more important than how much electricity EVs would consume is the question of when it would be consumed.

We based the above estimates on optimal, off-peak charging patterns. If instead most EVs were to be charged in the afternoon, the electricity grid would need more generation capacity to avoid outages.

To meet that demand, California and Texas would need to build new power plants or buy more electricity from neighboring states than they already do. The states might also need additional transmission and distribution infrastructure to accommodate new automotive charging infrastructure.

All told, the transition to EVs

from internal combustion engine vehicles could potentially cost tens of billions of dollars in Texas and even more in California to install new electricity infrastructure if many vehicles were to be charged during peak hours.

Incentives could reduce what it will cost to equip the grid for lots of electric vehicles. For example, utilities could charge different rates for electricity during different times of day and on different days of the week. Known as time-of-use pricing, this practice can encourage vehicle charging when electricity is more abundant during off-peak hours and therefore cheaper to supply.

California and other areas, including Austin, Texas, have already begun to use different strategies for implementing time-of-use rates. Other regions might want to watch closely, and adopt the lessons learned in those places as the number of electric vehicles on the road rises.

The road ahead

While EVs might increase the amount of electricity the U.S. consumes, the investment required to accommodate them may be smaller than it appears. Many regions already have sufficient generation capacity if vehicles are charged during off-peak hours. The energy storage on board EVs could provide the flexibility needed to shift charging times and help grid operators better manage the supply and demand of electricity.

What’s more, based on our calculations, the money Americans would save in fuel costs alone could offset these investments.

For example, had most of California’s vehicles been electric by 2017, we estimate that its drivers would have saved around \$25 billion that year in fuel costs—based on the average prices for electricity and gasoline.

In addition to fuel savings, some market analysts expect electric cars to be cheaper than conventional vehicles by 2026, another potential economic benefit.

While it’s challenging to predict the future prices for gasoline, electricity, and vehicles, we believe it is likely that the widespread use of EVs would reduce the overall costs of transportation in California and elsewhere. These savings are even greater if the environmental benefits, especially lower carbon emissions, are taken into account.

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ad) Mac's serves the entire Northwest. Mac's business relies on word-of-mouth from happy customers. They specialize in custom auto/boat tops & interiors, covers, cushions, motorcycle seats, home & office furniture, RV repairs, and much more. For additional info visit www.mactops.com or info@mactops.com and ask for Tony.



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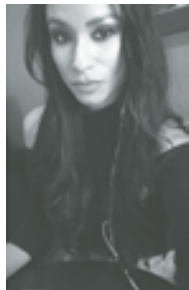
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ReRack a Portland, OR. based seller of new and used truck, suv, and car sport racks was founded by Bo Grayzel in 2008. In May of 2018 ReRack opened a second location in Renton Wa. The 10,000 sq. ft. Renton location has 8 employee's and half of their sales are new sport racks and the other half are preowned racks according to Jason Misner Renton Manager, ".....

our customers embrace the fact that we are reselling used sports racks." He went on to say, "..... we are helping to protect the environment by recycling thousands of used parts used in the racks." New brands sold by ReRack include; Yakima, Thule, Rocky Mounts, Rhino, Kuat, Inno and more. ReRack is the best place to buy your next new or used vehicle sport rack.

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PET FRIENDLY AUTO MAKERS

Automakers Promote Pet Safety Programs

continued from page 4

DNA. Now, we are starting to see other manufacturers follow suit. Here are just a few examples of what car companies are doing to keep our furry friends safe on the road.

Hyundai - A long trip or a trip to the mall are made easier with Hyundai pet safety and travel

accessories. With Hyundai pet seat covers your seats stay clean and your pet will be much more comfortable. Hyundai also makes pet ramps help small or elderly pets climb in and out of your vehicle with ease. And Hyundai pet liners keep your floor clean and dry.

Toyota - Toyota has a full line up of vehicles built for adventure with

your pets. The Rav4 features a 60/40 split, reclining, fold-flat second-row seat which is a perfect place for your pet. The Toyota Tundra is a great vehicle because it boasts plenty of room for the kids and your pets. In addition, the Toyota 4Runner is another pet-friendly vehicle that you can explore. This model has 40/20/40 split reclining

and fold-flat second-row seat to give you more space for your luggage and the gear for your pet.

Mazda cars are for pet lovers too! The Mazda 3s's fold-flat rear seats, rear lift gate, low ride height, spacious cabin and handy under floor storage make it an ideal vehicle for a dog owner. In addition to producing pet-friendly vehicles, Mazda also has an ongoing partnership between the Mazda Foundation and the SPCA.

How about those Helpful Honda People? Many Honda dealerships participate in an annual Helpful Honda Pet Adoption to help dogs and cats find their forever homes. By hosting pet adoptions at dealerships, they provide new pet parents with free dog washes, leashes, food bowls and doggy bags.

These are just a few examples of what car companies are doing to keep our pets safe. Here are a few helpful hints on pet safety for car travel.

- Pets should have their own space in the vehicle, preferably in the cargo area or restrained in the back seat using a leash and harness
- Don't ever leave your pets in a hot car
- Don't let your pets distract you or risk getting injured during sudden stops
- Make your pets comfortable, give them a blanket or chew toy to help them relax on the road

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As Pet Industry Expands – Services Expand (photo Auto News)

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Bruce Titus Tacoma Subaru uses Outdoor Billboards to Promote his Pet Friendly Subaru Dealership (photo Auto News)

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Methow Valley Artists Feature Automotive Art

Winthrop artist Char Gardner (left) and photographer Carolyn Edson (right) join a growing list of Northwest artists (see Sarah Deccio story on page 16) specializing in automotive art, paintings, drawings, and photos. Char Gardner collects rare car and truck emblems and mounts them on a piece of wood with a matching creative theme. Char displays her work at weekend markets and car shows in Eastern Washington. Carolyn Edson (carolynedson@gmail.com) is known throughout the Northwest for her photos of horses, is adding old trucks to her portfolio. (right)



Char Gardner with her art

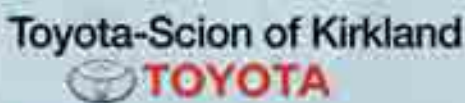


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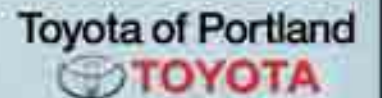
With the new car brands that the O'Brien Auto Group has, like a Portland Kia dealership and a Toyota-Scion dealership, we take in a bunch of quality trade-ins every day. Our customers are constantly trading up to a new vehicle leaving us with a tremendous selection of well-maintained, one-owner pre-owned vehicles—many still with factory warranties including Certified Pre-Owned. Stop by one of our stores or shop us online.

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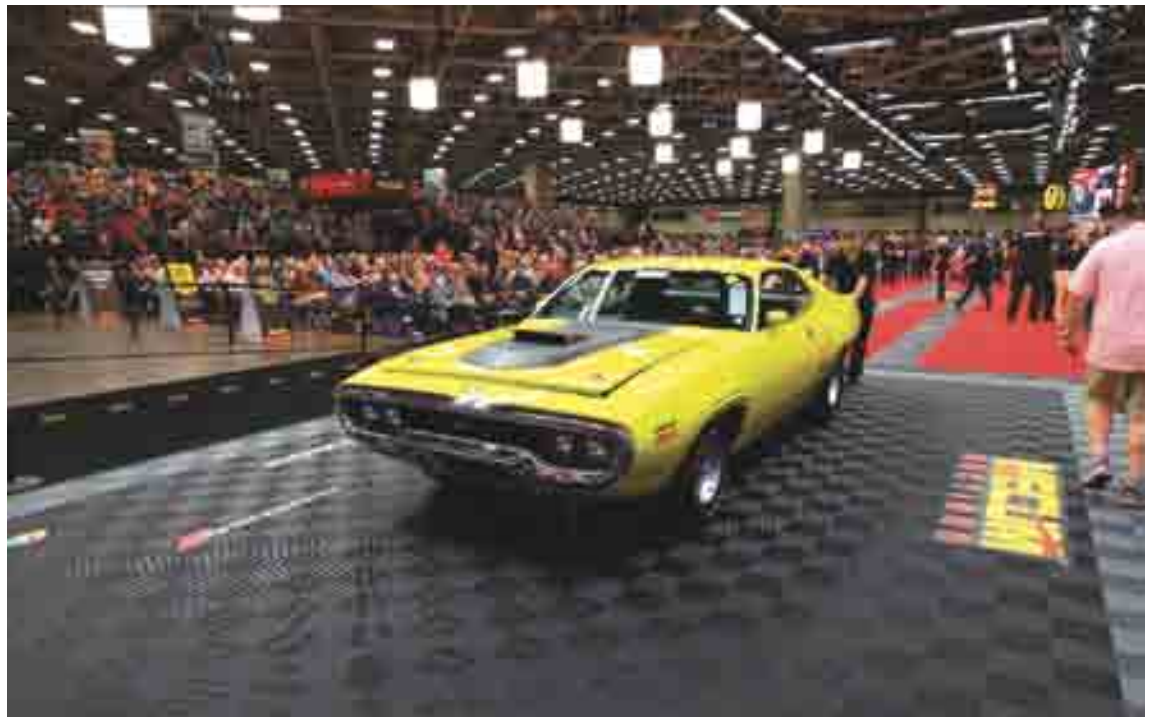
Mecum's recent auction in Dallas, held Sept. 4-7, saw 743 cars change hands in just four action-packed days. Overall sales totals for the event reached \$23.5 million as a nearly 70% sell-through rate was achieved with just over 1,000 classic and collector cars crossing the auction block.

A strong and varied lineup resulted in healthy individual sale prices, which were topped by the \$253,000 sale of a 1971 Plymouth Hemi GTX (Lot F140) from the headlining Peter Swainson collection of Mopars, an impressive group hailing from Alberta, Canada. Another top offering from the Swainson assemblage to land among top sales was a 1971 Dodge Hemi Charger R/T (Lot F137) that brought \$181,500. Two split-window Corvettes came in as the auction's No. 2 and No. 3 high sellers, the first one presenting as a striking silver-on-red Rest Mod and bringing \$242,000 (Lot S131), and the other (Lot S136.1) boasting a fuel-injected 327 engine and Bloomington Gold certification and a final sale price of \$231,000. A third, unrestored example with low miles and a unique tan-on-tan color combination (Lot F147) snuck into top sales as well with a \$126,500 sale.

The complete top 10 collector-car sales at the Mecum Dallas 2019 auction include:

- 1) 1971 Plymouth Hemi GTX (Lot F140) at \$253,000
- 2) 1963 Chevrolet Corvette Split Window Coupe (Lot S131) at \$242,000
- 3) 1963 Chevrolet Corvette Split Window Coupe (Lot S136.1) at \$231,000
- 4) 1969 Dodge Charger Resto Mod (Lot S140) at \$220,000
- 5) 1962 Chevrolet Corvette Resto Mod (Lot S160) at \$220,000
- 6) 1971 Dodge Hemi Charger R/T (Lot F137) at \$181,500
- 7) 1957 Chevrolet Bel Air Resto Mod (Lot F237) at \$137,500
- 8) 1974 Ford Bronco (Lot S248) at \$137,500
- 9) 2015 ASVE Shelby Cobra CSX8000 Series (Lot S143) at \$132,000
- 10) 1963 Chevrolet Corvette Split Window Coupe (Lot F147) at \$126,500

For access to complete auction results, sign up for the free InfoNet service offered at Mecum.com. Mecum's next auction will be Louisville 2019 this Sept. 20-21 at the Kentucky Exposition Center with 600 vehicles slated to cross the auction block, followed by the Mecum Las Vegas classic and collector car auction slated for Oct. 10-12 hosting 1,000 vehicles and a selection of investment-grade collectible guitars. For more details on upcoming auctions, to consign a vehicle or to register as a bidder, visit Mecum.com, or call (262) 275-5050 for more information.



1971 Plymouth Hemi GTX (Lot F140) sold at \$253,000



1963 Chevrolet Corvette Split Window Coupe (Lot S131) sold at \$242,000

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