

QUAD-CITIES BRITISH AUTO CLUB



2018 Edition / Issue 4

5 April 2018

APRIL FOOLS DAY

In 1686, John Aubrey referred to the holiday as "Fool's holy day", the first British reference to April Fool's Day.



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THE QCBAC

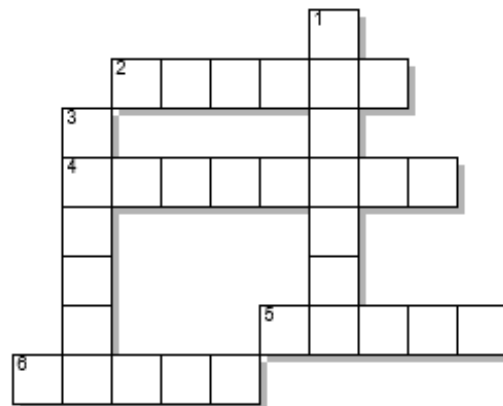
The Quad-Cities British Auto Club was formed to promote interest and usage of all British cars. The QCBAC website is at: <http://www.qcbac.com>.

Please note that the club is still looking for members to serve as president and vice president. If you are willing to keep the club moving forward and would like to serve in one of these positions, please contact a board member.

CROSSWORD PUZZLE

Electrifying News

(one word answers)



Clues are on page 2

QCBAC CONTACTS

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CAR QUESTION:

This newsletter discusses electric vehicles. There are many abbreviations used when describing vehicles with alternative power supplies. Some of these abbreviations are BEV, GEV, HEV, ICEV, PEV, PHEV, PHV, among others.



The Jaguar I-Pace pictured here is a vehicle that uses a 90 kWh battery that is recharged by plugging it in to a charger at home or on the road. Which of the above abbreviations BEST describe the I-Pace?

The answer appears at the end of this newsletter.

BEST WISHES FOR CAROL

Doug Small's wife Carol recently had open heart surgery. She is doing fine but they could use your kind thoughts and best wishes.

UPCOMING QCBAC EVENTS

April Dinner	22 April 2018	4:00 pm
The Machine Shed	7250 Northwest Blvd	Davenport, IA

Our Premiere Event:

Heartland Autofest	4 August 2018	9:00 am – 3:00 pm
Riverfront park	East of Hwy 67	Le Claire, IA

See registration form attached to this newsletter

OTHER AUTO CLUB EVENTS

Alpha Car Show	12 May 2018	9:00 am – 3:00 pm
Downtown	Alpha, IL	
Depart McDonald's, 2701 69 th Ave, Moline, IL at 7:30 am.		

Champagne British Car Fest	1-3 June 2018	8:30 am – 2:30pm
Bloomington, IL	Car Show on Sunday, 3 June	
Held at David Davis Mansion	33 Auto Classes	

Central IA British & European	3 June 2018	9:00 am – 3:00 pm
Auto Fest, 1208 Grand Ave.	West Des Moines	\$10 Registration

ACROSS

- 2 American inventor who worked on batteries for electric vehicles in 1900s
- 4 British inventor who made first electric carriage in 1880s
- 5 First U.S. company to mass produce an all electric sports car
- 6 First hybrid vehicle mass produced and sold worldwide

DOWN

- 1 Austrian engineer who built first hybrid vehicle in 1901
- 3 First British company to mass produce an all electric SUV

Words: Anderson, Edison, Jaguar, Porsche, Prius, Tesla

Lightning Car Company



There has been a lot of talk recently about automotive manufacturers making the switch from petrol powered vehicles to hybrid or pure electric vehicles (EV). Although this seems like a modern change to the automotive world, it was back in the 1800s that the mating of a battery to an electric motor led to the first electric vehicle on the road.



1884 English Electric Carriage

In the early part of the 19th century, innovators in Hungary, the Netherlands and the United States began toying with the concept of a battery-powered vehicle and created some of the first small-scale electric cars. And while Robert Anderson, a British inventor, developed the first crude electric carriage around this same time, it wasn't until the second half of the 19th century that French and English inventors built some of the first practical electric cars.

Over the next few years, electric vehicles from different automakers began popping up across Europe and the United States. New York City even had a fleet of more than 60 electric taxis. By 1900, electric cars were at their heyday, accounting for around a third of all vehicles on the road. During the next 10 years, they continued to show strong sales.

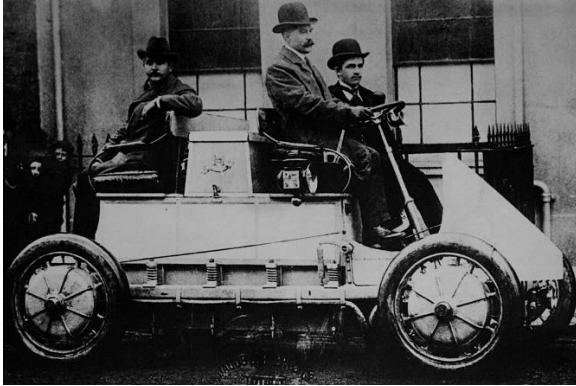


New York City in 1900s

At the turn of the 20th century, the horse was still the primary mode of transportation. But as Americans became more prosperous, they turned to the newly invented motor vehicle which was available in steam, gasoline or electric versions to get around. Steam wasn't very practical for personal vehicles as it required long startup times, up to 45 minutes in the cold, and would need to be refilled with water, limiting their range. Gasoline cars required a lot of manual effort to drive and they needed to be started with a hand crank. They were also noisy, and their exhaust was unpleasant. Electric cars didn't have any of the issues associated with steam or gasoline. They were quiet, easy to drive and didn't emit a smelly pollutant like the other cars of

LIGHTNING GT

the time. Electric cars quickly became popular with urban residents. As more people gained access to electricity in the 1910s, it became easier to charge electric cars, adding to their popularity with all walks of life.



1901 Porsche P1

Many innovators at the time took note of the electric vehicle's high demand, exploring ways to improve the technology. For example, Ferdinand Porsche, founder of the sports car company by the same name, developed an electric car called the P1 in 1898. Around the same time, he created the world's first hybrid electric car -- a vehicle that is powered by electricity and a gas engine.

Thomas Edison, one of the world's most prolific inventors, thought electric vehicles were the superior technology and worked to build a better electric vehicle battery. Even Henry Ford, who was friends with Edison, partnered with Edison to explore options for a low-cost electric car in 1914.

Yet, it was Henry Ford's mass-produced Model T that dealt a blow to the electric car. Introduced in 1908, the Model T made gasoline-powered cars widely available and affordable. By 1912, the gasoline car cost only \$650, while an electric roadster sold for \$1,750. That same year, Charles Kettering introduced the electric starter, eliminating the need for the hand crank and giving rise to more gasoline-powered vehicle sales.



Ford Model T



I5 in California

By the 1920s, the U.S. had a better system of roads connecting cities, and Americans wanted to get out and explore. With the discovery of Texas crude oil, gas became cheap and readily available for rural Americans, and filling stations began popping up across the country. In comparison, very few Americans outside of cities had electricity at that time. In the end, electric vehicles all but disappeared by 1935.

LIGHTNING GT

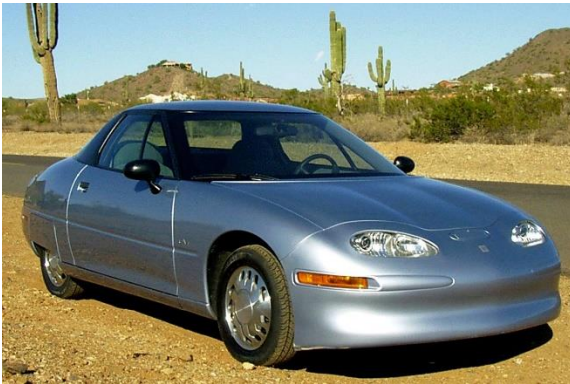
In the late 1960s and early 1970s, soaring oil prices and gasoline shortages, including the 1973 Arab Oil Embargo, created a need to reduce the U.S.'s dependence on foreign oil and find homegrown sources of fuel. The Electric and Hybrid Vehicle Research, Development, and Demonstration Act of 1976, authorized the Energy Department to support research and development in electric and hybrid vehicles.

Yet, the vehicles developed and produced in the 1970s still suffered from drawbacks compared to gasoline-powered cars. Electric vehicles during this time had limited performance -- usually topping at speeds of 45 miles per hour -- and their typical range was limited to 40 miles before needing to be recharged.



1970 CitiCar Electric Vehicle

In the 1990s, automakers began modifying some of their popular vehicle models into electric vehicles. This meant that electric vehicles now achieved speeds and performance much closer to gasoline-powered vehicles, and many of them had a range of 60 miles.



1996 GM EV1

One electric car during this time was GM's EV1, which was designed and developed from the ground up. With a range of 80 miles and the ability to accelerate from 0 to 50 miles per hour in just seven seconds, the EV1 quickly gained a cult following. But the EV1 was never commercially viable and was discontinued in 2001.

Honda released the Insight hybrid in 1999, making it the first hybrid sold in the U.S. since the early 1900s. Then Toyota released the Prius in 1997 which became the world's first mass-produced hybrid electric vehicle. In 2000, the Prius was released worldwide, and it eventually became the best-selling hybrid worldwide during the past decade.



2016 Toyota Prius Hybrid

LIGHTNING GT



2008 Tesla Roadster

In 2010, Tesla received a \$465 million loan from the U. S. Department of Energy's Loan Programs Office, a loan that Tesla repaid nine years early, to establish a manufacturing facility in California. In the short time since then, Tesla has won wide acclaim for its EV cars with a range of over 200 miles on a single charge and has become the largest auto industry employer in California.

All of this brings us to the Lightning Car Company of England. The Lightning Car Company is a British sports car developer, originally based in Fulham and Peterborough, the company relocated to Coventry and is focused on the development and production of high performance electric sports cars. The first car designed by the Lightning Car Company in 2008 is the Lightning GT.



Lightning GT

Now if you don't remember the Lightning GT, don't worry. Although the first batch of Lightning GT cars were delivered in 2014 and 2015, to my knowledge, the Lightning Car Company has not sold a single car yet in the United States. However, their original design had some interesting features, especially for the sports car folks.



Lightning GT

The original prototype Lightning GT was revealed at the British International Motor Show in London in 2008 where it won 'Most Impressive Car of Show' in an online MSN poll. Deliveries of the GT were originally expected in 2009, but sales to the public have been put back due to a lack of UK governmental funding for electric vehicles.

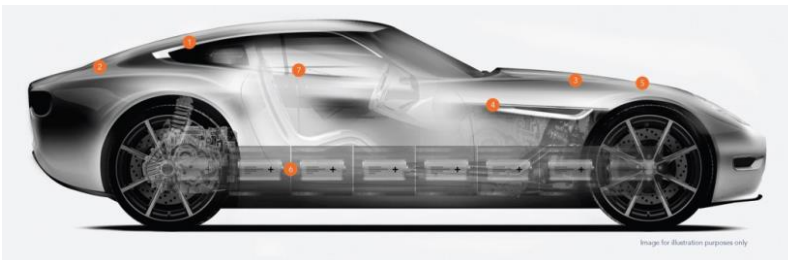
Some of the development of the GT was assisted with a grant from the UK Technical Strategy Board, as part of the EEMS Consortium. The Lightning GT development car excelled as a part of this consortium with 100% drivetrain and battery reliability over a full year of monitored testing. The GT covered more miles than the rest of the consortium combined.

LIGHTNING GT

The Lightning GT is loosely based on an existing internal-combustion vehicle from Ronart Cars. It incorporates quick-charging lithium-titanate batteries from Altairnano into a body made from Carbon Fiber. In its original format, the Lightning GT used four pancake style permanent magnet brushless motors, one in each wheel. Each motor produced approximately 175 bhp for a total of 700 bhp. The battery pack can be quick-charged in as little as 10 minutes using a level 4 charger. The GT had projected acceleration figures of 0-60mph in 4 seconds.

Having a motor mounted at each wheel had certain advantages. First, the car was all-wheel drive which not only gives better traction in all driving conditions, it can also provide thrust vectoring. There is no play that is inherent in transmissions, driveshafts, transfer cases, universal joints, constant velocity joints, etc. Separate hydraulic brakes are not needed as the motors can stop the car as easily as they can propel it forward. Similarly, there is no need for separate systems for traction control or anti-skid braking since these are also controlled by the drive motor logic.

However, over the years, the design specifications have changed. Instead of four motors mounted at the wheels, the Lightning GT now employs rear wheel drive from two synchronous motors driving through independent reduction gearboxes under electronic torque control. The powertrain system is sourced from MAGTEC, the leading UK powertrain manufacturer. The rear-wheel drive system has a peak power output capability of 300 kW (408 PS; 402 bhp). with 4000 Nm of torque. The revised GT still can accelerate to 60 miles per hour (97 km/h) in less than 4 seconds and is geared for over 300 km/h (185 mph). It has an expected usable range of 150 miles (240 km) on a single battery charge, with a range extender battery pack option increasing this to 225 miles (360 km).



1. LED Recharging Socket
2. Flowing Shoulder
3. Fading Feature Line
4. LED Beam
5. Short Visual Overhang
6. Twin motor drivetrain
7. Driver-focused interior

The Lightning GT body will be made from carbon fiber and the chassis from a honeycomb aluminum structure. This unique H chassis will also house the battery modules which when integrated add massive torsional and beam strength. The total weight of the car is around 1900 kg or 4290 pounds. Final assembly location has yet to be determined but will be in the European Union. The company was taking orders for 2012 delivery, this was later moved back to 2014, and subsequently 2017. So far, only hand-built prototypes have been sold. The prototype was displayed at the Coventry Motofest, featuring a revised Magtec power train.

LIGHTNING GT

The standard battery specification includes two 22 kWh Altairnano lithium-titanate battery pack 'strings'. The 9 kW standard onboard charger can fully recharge the batteries in five hours from a dedicated 32amp wired socket or 12 hours from any standard socket. An optional onboard charger connected to a suitable dedicated domestic power source can recharge the car from zero to 100% in 2.5 hours. An external level 4 charger can recharge the batteries from zero to 100% in around ten minutes.

The GT's NanoSafe™ batteries use nano-titanate materials instead of graphite which makes them far more thermally stable and there are no toxics or heavy metals used in NanoSafe™ batteries. NanoSafe™ batteries have a life expectancy of 12+ years, versus the 3-5 year life of other batteries. NanoSafe™ can retain up to 85% charge capacity after 15,000 charges.



When the Lightning GT was first introduced in 2008 (with the original specifications), the asking price was \$300,000 USD. In a March 2017 article, the price had dropped to \$239,400 USD. Once the sales of the Lightning GT take off, the company plans to introduce an executive sedan and an SUV using the same powertrain configuration.



JAGUAR E-TYPE ZERO – All Electric conversion for “1968” XKE

BRITISH AUTO NEWS

BRITISH AUTO NEWS – AS OF 20180331

All Makes: (3/9) Old cars, trucks or motorcycles sooner or later present a common problem, a needed part is no longer available. Soon, 3D printed parts could be the answer for classic car owners and restorers. Three-dimensional printing, now part of a process commonly referred to as additive manufacturing, has become affordable and powerful enough to gain favor among low-volume manufacturers. In more recent years, additive manufacturing has expanded to include a wider array of printable materials, including both stronger plastic and metal, leading to the rise of “desktop manufacturing.” With an ever-increasing number of automakers adding “Classic” divisions such as Porsche, Jaguar, Land Rover, FCA, Mercedes-Benz, Ferrari, BMW, and Lamborghini, future collectors and restorers may never know the anguish of parts that are “no longer available.” (3/21) In October 2016, a survey revealed that female classic car ownership in the UK had increased by 40% since 2014. The data suggests that approximately 11% of the classic car market is now made up of women. One reason for the increase is financial. The Coutts Index 2017 which captures the changing values of various assets, found that classic cars provided the healthiest returns since 2005, with average prices rising more than fourfold. Additionally, nostalgia and passion seem to act as key influences for both male and female classic car buyers alike. One survey even revealed that 21% of women would be influenced by nostalgia when buying a classic car. [Glen: OK, the real reason women are interested in classic British cars is because it’s a great way to meet really cool guys!] (3/29) The city of Beverly Hills, California, has issued new regulations for parking and electric-car charging. As of Monday, April 2, only battery-electric cars will be allowed to park and plug in at any of the city's 35 public charging stations—plug-in hybrids will not. Beverly Hills will also impose a fee for charging, at 25 cents per kilowatt-hour on top of the parking fees, and a \$6 "station fee" after 2 hours regardless of whether a vehicle is charging or not.

Aston Martin: (3/6) The British brand [Lagonda](#) has been owned by Aston Martin for half a century. Now it appears that Lagonda is to be relaunched as an all-electric brand, following a small number of Aston Martin RapidE electric luxury sedans to be produced and sold within the next 24 months. Recently, Aston Martin unveiled the Lagonda Vision Concept, showing what the brand could become as a standalone marque for ultra-luxury electric cars. A second model in the reborn Lagonda brand, a coupe or an SUV, is to be introduced before 2023. Lagonda intends to be on the cusp of the two trends that will reshape automobiles, electrification and autonomous driving. The Lagonda Vision is said to provide up to 400 miles of range and accept wireless recharging or an 80-percent recharge in as little as 15 minutes. (3/8) The track-only version of Aston Martin’s hypercar called the [Valkyrie AMR Pro](#) was unveiled at the 2018 Geneva International Motor Show. The track times for the Valkyrie AMR Pro will be comparable to F1 and LMP1 race cars with speeds in excess of 225 mph, cornering forces in excess of 3.0 g, and braking deceleration of more than 3.5 g. The car in this configuration weighs just 2,200 pounds but generates more than 1,100 horsepower from its V-12-based hybrid powertrain. More power and torque are extracted from the Valkyrie’s 6.5-liter, Cosworth-sourced V-12 engine by dialing down most of the emission controls. (3/9) Aston Martin told *Motoring* that the mid-engine Aston Martin supercar will house plenty of Valkyrie

BRITISH AUTO NEWS

influence, but the car won't be nearly as extreme. They confirmed 130 engineers and designers will be work inside Aston Martin Red Bull Racing's U.K. headquarters to develop the forthcoming hybrid supercar. The unnamed supercar will be radically different from any Aston Martin that's come before it. The report said the car will not feature the Vantage's bonded-aluminum platform, but instead feature a new carbon-fiber monocoque with aluminum sub-frames. A Mercedes-AMG-sourced 4.0-liter twin-turbo V-8 engine is the likely power source.

Bentley (VW): (3/5) Buyers of the Bentley Bentayga no longer need to feel guilty lugging their 2-ton-plus luxury SUVs around town [Glen: I doubt they ever did.] Unveiled at the 2018 Geneva International Motor Show, the new [Bentayga Hybrid](#) represents the British marque's first step toward electrification. It also makes Bentley the first among ultra-luxury brands with an electrified vehicle. Under the hood is a 3.0-liter turbocharged V-6 that is paired with an electric motor-generator. Bentley hasn't said how much power is available but is expected to rate around the 460-horsepower mark. The Bentayga V8 comes with 550 hp and the original W-12-powered Bentayga has 600 hp. The battery provides for 31 miles of electric-only range and the driver can select between "EV Drive," "Hybrid" and "Hold" modes. The NAV system will command the car to automatically engage the correct mode for each part of a journey. The Hybrid should arrive in the second half of the year, as a 2019 model, with a price slightly above the \$200k mark. (3/8) A W-12 Bentayga with 600 hp runs from zero to 60 mph runs in 4.0 seconds, hardly restrained by its 5,379-pound curb weight. However, a 542 hp [Bentayga V-8](#), at a weight of 5,264 pounds, makes the zero to 60 mph dash in 4.4 seconds. Translated into English, that means the Bentayga V-8 is barely slower and it avoids gas-guzzler taxes, steers more finely, and makes nearly all the W-12's lavish features available, if not standard. Bentley wisely chose to lead with the profit-making W-12 Bentayga, stickered at more than \$230,000, to grab its piece of market. Now the V-8, priced at less than \$168,000, is ready to elbow its way into the fray. The key is the 4.0 L V-8 from the VW Group. The twin-turbocharged 4.0-liter V-8 squeezes out 542 hp output with 568 lb-ft of torque allowing the V8 version to reach 180 mph. Both engines couple to an 8-speed automatic and permanent all-wheel drive. The base price is around \$168,000 but options can bloat the price closer to the \$200,000. (3/23) The next Bentley could be a derivative of the Porsche Mission E's J1 platform in the form of a four-door coupe. Bentley has ruled out an all-electric SUV at the moment as Bentley's Design Director, Stefan Sielaff, said the model should convey a "certain coupe-style or sportivity, and also a certain elegance. Suggestions of an all-electric Bentley based on the J1 architecture have circulated for months now. In September of last year, Bentley confirmed it would build an electric sports car instead of a smaller SUV to compliment the Bentayga. The luxury brand also showed the [EXP 12 Speed 6e](#) concept at the 2017 Geneva motor show, which may preview a four door electric sports coupe. If a four-door coupe is in Bentley's future, both the Mission E concept and the recently teased Audi e-Tron GT may provide hints as to design its own electric four-door coupe.

BRITISH AUTO NEWS

David Brown Auto: (3/8) David Brown Auto revealed a high-performance GT at the 2018 Geneva International Motor Show, dubbed the [Speedback Silverstone Edition](#). Just 10 SSE versions will be built with prices starting at \$860,115; however, the standard Speedback GT is still available at \$721,330. The SSE comes with a 5.0-liter supercharged V-8 with 601 horsepower (The GT comes with 510 hp) that drive the rear wheels via a 6-speed automatic from zero to 60 mph in only 4.2 seconds and easily reach its governed top speed of 155 mph. The “Silverstone” component of the name is a nod to the legendary Silverstone Circuit in the United Kingdom where the cars will be hand-built.

Jaguar (TATA): (3/5) Recently Jasbir Dhillon dropped by Jay Leno’s garage with the unique Jaguar [XJR-15](#). The XJR-15 was a joint effort between Jaguar and Tom Walkinshaw Racing (TWR) to form the 1988 24 Hours of Le Mans winning Jaguar XJR-9 into a road car. Future McLaren F1 designer Peter Stevens contributed to the body design. The first XJR-15 cars were delivered in 1991 weighing 2,315 pounds with a power-to-weight ratio allowing a 215 mph top speed. Powered by a 6.0 L V-12, tuned to 450 horsepower and 420 lb-ft of torque, the engine forms a structural piece of the car itself. The body was built using Kevlar and carbon composites for added strength and light weight. Of the 50 examples of the XJR-15 that Jaguar and TWR built, just 27 were released as road-going versions with a price tag of nearly \$1 million. The last one that sold went for only \$350,000. (3/8) The 2019 [Jaguar I-Pace](#) electric crossover SUV shown at the 2018 Geneva International Motor Show places Jaguar into the EV era with its first a long-range, battery-electric vehicle. The I-Pace has a 240-mile range from its 90-kwh battery powering two electric motors with a combined output of 294 kilowatts (394 horsepower) and 512 pound-feet of torque. The all-wheel drive I-Pace can sprint 0-60 mph in just 4.5 seconds. The vehicle starts deliveries in the second half of 2018 and is priced from \$70,495. The I-Pace is more than a foot longer than the E-Pace, with more than a foot more between the wheels. The overall length is as long as an XE sedan at about 184 inches but adds an additional six inches between the wheels. That should be a boon for interior space, considering the flat floor inherent in electric drive SUVs. (3/13) [When I was younger we looked for ways to improve the performance of our gas-powered cars. Things like milling the heads and changing pistons, intake manifolds, carburetors, etc. were common.] Now electric car tuning is beginning and Jaguar Land Rover Specialty Vehicle Operations (SVO) is ready to dive in. John Edwards, head of Jaguar Land Rover’s personalization and performance arm, said SVO will develop a range of performance cars based on forthcoming electrified cars from Jaguar Land Rover, including battery-electric cars. Any future SVO-tuned electric cars will still likely wear SVO’s “SVR” performance badge, which makes an [I-Pace SVR](#) quite possible. Jaguar will also take the I-Pace racing in its own one-make series alongside Formula E. (3/27) Jaguar unveiled the 2019 Jaguar [F-Pace SVR](#) at the 2018 New York International Auto Show. The high-performance SUV makes 550 horsepower and 502 pound-feet from its supercharged 5.0-L V-8. The all-wheel drive F-Pace SVR sprints up to 60 mph in 4.1 seconds, enroute to a 176-mph top speed. The SVR is Jaguar’s first performance SUV and competes with the Mercedes-AMG GLC63, Alfa Romeo Stelvio Quadrifoglio and Porsche Macan Turbo. At the rear wheels, Jaguar added an electronic rear differential that shifts torque to the outside wheels for better cornering and help the F-Pace SVR stand harder on its rear-wheel bias. Like the F-Type SVR, the 2019 F-Pace SVR doesn’t come cheaply with a starting price of \$80,985, including destination.

BRITISH AUTO NEWS

(3/27) The next wave of self-driving [Waymo](#) cars will be electric Jaguar I-Pace crossovers. Up to 20,000 electric crossovers will be fitted with the self-driving hardware by 2020, a significant commitment for the relatively small automaker. The hardware announcement was made ahead of the 2018 New York auto show, and signaled Waymo's broader interest in more automakers beyond past partners. The Waymo I-Pace features the numerous sensors and lidar arrays required for driverless transportation but integrated into a vehicle more than before. Body-colored plastics around the fenders covers sensors, the tall lidar sensors at the top are molded into the roof with only a protruding array. (3/30) Jaguar dropped a wonderful bit of news at the 2018 NY auto show. They stuffed a supercharged 5.0-liter V-8 into the F-Pace and gave it the [SVR badge](#). But that also meant Jaguar jumped right past an R model to the full-on SVR and Jaguar might be moving this way for the rest of the family. Jaguar SVO Design Director Wayne Burgess said, "there is not enough room in each model line to have an R and an SVR as they compete against each other." Both styles for each model center around sound and horsepower. For instance, the R version of the F-Type model yields 550 hp and the SVR version produces 575. Of course, this benefits Jaguar as the starting price for the SVR version costs \$22,000 more than the R version.

Land Rover (TATA): (3/8) Land Rover's Range Rover has been configured into a coupe. It's a proper 2-door, limited-edition SUV dubbed the [Range Rover SV Coupe](#) with a starting price of \$295,000. Land Rover unveiled the Range Rover SV Coupe at the 2018 Geneva International Motor Show and right now it has no real direct competitor. The interior is bisected by a full-length center console trimmed in wood, and the dash and door panels trimmed in leather to match the front seats. Power comes from Jaguar Land Rover's familiar 5.0-liter supercharged V-8 tuned to deliver 557 horsepower and 516 pound-feet of torque resulting in 0- 60 mph in 5.0 seconds and a top speed of 165 mph. The LR SV Coupe is made by their SVO division and just 999 are planned for worldwide sale. (3/27) The Land Rover Evoque has been on sale since 2012 and although the vehicle still looks and feels fresh, Land Rover is planning a second-generation Evoque. Inspiration for the design comes from the stunning new Range Rover Velar with some of the sharper creases smoothed out. The underlying platform is Land Rover's LR-MS platform found in the current Evoque, as well as the Discovery Sport. It is expected that a mild hybrid and even plug-in hybrid tech will be offered.

Lister: (3/13) You are more likely to hear the new Lister before you see it and when you do see it, it will make you smile. The [666 bhp Lister](#) is based on the all-wheel drive F-Type R. The 5-liter, supercharged V8 gets a greater boost from its supercharger, new intercoolers and air filters, a whole new Novitec exhaust and a remap. This lifts power from 542bhp in the F-Type R to 666bhp in the Lister with 720 lb-ft of torque. The result is an exhaust sound that is more felt than heard. Just 99 will be built and a few weeks after announcing the car, Lister has taken deposits for over 30 of them! [Order your Lister soon!]

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Lotus (Geely): (3/13) The new [Lotus 3-Eleven 430](#) is Lotus' quickest street-legal sports car. The most extreme machine that Lotus builds was 0.8 seconds quicker than the second place Exige Cup 430, and two seconds quicker than the previous 3-Eleven, delivering a benchmark time of 1 minute 24 seconds. The supercharged and charge-cooled 3.5-litre V6 engine produces 430 hp and 440 Nm, propelling the 3-Eleven 430 from 0-60 mph in an astonishing 3.1 seconds (0-100 km/h in 3.2 seconds) and a top speed of 179 mph (286 km/h). The 3-Eleven 430 is available as a limited series production road car of 20 vehicles and can be ordered now, priced at £102,000 (\$141,579 USD) including VAT and on the road costs.

McLaren: (3/7) McLaren revealed the [Senna GTR](#) concept at the 2018 Geneva International Motor Show, passing the praised GTR designation from the F1 GTR and P1 GTR to the latest ultimate expression of performance. Although just a concept, McLaren confirmed it will produce up to 75 of the Senna GTR following the 500 examples of the regular Senna road car. The Senna GTR will be a track-only super beast with more power and torque than the "standard" Senna. The regular Senna makes 789 hp and McLaren said to expect "at least" 814 hp and more than 590 pound-feet of torque from the same 4.0-liter twin-turbocharged V-8 engine. In addition to the extra power, the track-only supercar will boast 2,200 pounds of peak downforce, a race-style transmission (perhaps a sequential-shift unit), a revised double-wishbone suspension, and sticker Pirelli racing slicks. Order books aren't officially open, but McLaren will begin to take "expressions of interest" during the 2018 Geneva motor show. Pricing will be around \$1.39 million. (3/15) McLaren Special Operations (MSO) is the extension of the automaker tasked with bringing extra special versions of its super machines to life. This is done through bespoke requests made by customers or limited run of vehicles designed in a spec of its choosing. The newest special edition is the McLaren [570GT MSO Black Collection](#). MSO is plucking 100 570GTs from the production line and turning them into "none-more-black" poster cars. The body is painted in Carbon Black, while a few extra bits of bodywork receive the Black Pack. That means the front and rear splitters, side skirts, and air intakes have been changed from their standard dark palladium shade and now fit far better with the moonless midnight hue found all throughout this 570GT. Even the wheels are gloss black lightweight forged wheels that hide black brake calipers for the carbon ceramic brakes. The seats are trimmed in Jet Black semi-aniline leather, while Carbon Black Alcantara covers the center tunnel, headliner, the lower section of the instrument panel, and even surrounds the speakers. If this sounds like something you'd like in your garage, one of these 100 examples has a price tag of just over \$250,000.

MG (SAIC): (3/13) MG Motor UK has welcomed two new dealerships into the [MG franchise, with Gallaghers](#) adding an MG showroom to its Chester and Warrington sites. The family-run business has been operating for over 30 years and has a great reputation in Cheshire and North Wales. Stocking the full range of MG models, the MG ZS, MG GS and MG3. The MG ZS is the third car in company's portfolio, joining the MG3 and the MG GS. The brand's stylish Supermini, the MG3, comes with a range of personalization options making the car an affordable style statement.

BRITISH AUTO NEWS

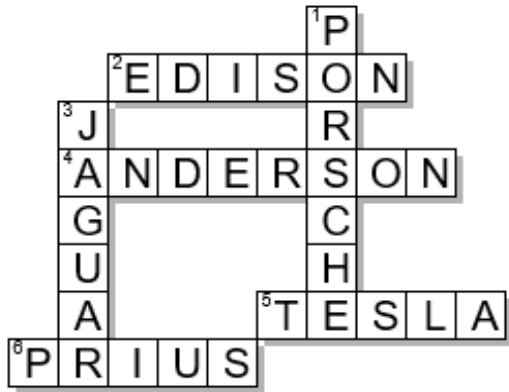
(3/28) MG Motor UK's brand-new Compact-SUV, the [MG ZS](#), offers customers an all-encompassing driving experience. The car comes packed with exciting features such as an industry-leading 8" touch sensitive infotainment screen, digital broadcast audio (DAB) radio, three unique steering modes – Urban, Normal and Dynamic – and proudly displays the new distinctive MG front grille styling. What's more, this is all backed by a 7-year/80,000 mile manufacturer's warranty with a starting price of £12,495 (\$17,560 USD).

Morgan: (3/7) Morgan introduced the [Plus 8 50th Anniversary Edition](#) at the 2018 Geneva International Motor Show. The car, of which just 50 units will be built, celebrates the 50th anniversary of the Plus 8 line. Morgan states that well over 6,000 of the V-8-powered sports cars have rolled off the line at the company's Malvern, England plant since production started in 1968. The Plus 8 is currently powered by a 4.4-liter V-8 delivering 367 horsepower, and the Plus 8 50th Anniversary Edition in Geneva will be the last to sport the BMW-sourced engine. The Plus 8 also come with a lightweight aluminum chassis, which helps to keep the weight of the cars down to just 2,425 pounds. With that weight and V-8 power up front, the cars easily sprint to 60 mph from rest in a bit under 4.5 seconds and reach a top speed of 155 mph. Interested buyers will need to cough up \$148,920, but that price includes a Christopher Ward C1 Morgan Plus 8 Chronometer watch that features a piece of the original Plus 8 prototype built into its backing plate. (3/7) Also debuting at the 2018 Geneva International Motor Show was [Morgans Aero GT](#). Utilizing lessons learned from Morgan's GT3 racing program, the aerodynamics for the GT consist of new louvres on the top of the fenders and an aggressive diffuser at the rear. With a 4.8-liter BMW V-8 paired with a 6-speed manual transmission the Aero GT can sprint from 0-62 mph in 4.5 seconds and reach a top speed of 170 mph. Sadly, only eight examples of the Aero GT will be built, each priced from \$166,500, and all build slots have been sold. Furthermore, the Aero GT also marks the end of the Aero line after 18 years of production.

Rolls Royce (BMW): (3/27) In a bold expression of dynamic luxury, Rolls-Royce unveils the Wraith [Luminary Collection](#) in response to an ongoing global demand for Rolls-Royce Collection Cars. On opening the coach doors, one is met by a statement of modern luxury, as light flows from the front into the rear passenger compartment. The Collection's defining feature, Tudor Oak wood, sourced from the forests of the Czech Republic, selected for its depth of color and the density of the grain structure, is for the first time, illuminated. The light of 176 LEDs permeates through an intricately perforated design in the unique Tudor Oak veneer, allowing a mesmerizing pattern, reminiscent of the trailing light of a shooting star, to luminesce at the touch of a button. Linked to the controls of the starlight headliner, the cabin's veneer surrounds Wraith's occupants in an ambient glow of light. The prized Rolls-Royce starlight headliner, a handwoven configuration of 1340 fiber optic lights which act as a glittering night sky, takes a bold new step as it incorporates shooting stars into the constellation; a playful display of light that creates wonderment and awe for the car's passengers. As a final touch, the car's tread plates bear the provenance of this unique collection. 'WRAITH LUMINARY COLLECTION – ONE OF FIFTY-FIVE' is engraved in hand-polished stainless steel.

Electrifying News

(one word answers)



QCBAC Newsletters:
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Newsletters Archives:
<http://newsletters.glenjust.com>

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<http://qcbac.glenjust.com>

ANSWER TO THE QUESTION:

Of the listed abbreviations: BEV, GEV, HEV, ICEV, PEV, PHEV, and PHV, the best matches for the I-Pace are PEV which stands for “plug-in electric vehicle,” BEV which stands for “battery electric vehicle,” or GEV which stands for “grid-enabled vehicles.”



Just for completeness, HEV stands for “hybrid electric vehicle,” ICEV stands for “internal combustion engine vehicle,” and PHEV and PHV both stand for “plug-in hybrid (electric) vehicle.” Not included in the list was FCV or FCEV which stand for fuel cell (electric) vehicle which uses a fuel cell to power its on-board electric motor with or without supplement batteries. I am sure you can find others.



Heartland British Auto Fest 2018 Saturday August 4th



The 2018 Heartland British Auto Fest will again be on the scenic riverfront in LeClaire, Iowa. The LeClaire levee is located just 1 block east of Highway 67. To enter the Auto Fest, turn east on Dodge street and follow the signs.

Show Registration and car cleanup	9.00 am to Noon
Voting by participants	Noon to 2:00 pm
Awards presentation	3:00 pm

Must be present to win. If not present, the next highest receiver of votes will be awarded.

First and Second place trophies will be awarded.
 All entrants will be entered in the door prize drawings and the first 75 entrants will receive dash plaques.
 DJ Greg Zirbes will be providing British Invasion Rock & Roll music and announcing door prizes.
 A copy of this form can be found on the Quad City British Auto Club website at qcbac.com
 Additional information can be obtained from Auto Fest Chairman Frank Becker, Phone number: 563-359-3369 or his email address fbecker95@aol.com

We ask that you pre-register by mail to help us determine space requirements and to assure your place in the proper class. Please review the classes carefully to select the proper class for your car.

- | | | |
|----------------------------|-------------------------------------|--|
| A = MG Pre 1963 | G = Austin Healey | L = Mini |
| B = MG 1963 - 1974 | H = Midget & Sprite | M = Modified, (Body and/or Drivetrain) |
| C = MG 1974 1/2 - 1980 | I = Jaguar - 2 Door Pre 1975 | N = Jensen Healey |
| D = Triumph TR2 & TR3 | J = Jaguar - 2 Door 1975 to present | O = Other British Makes |
| E = Triumph TR4 thru TR8 | K = Jaguar All Sedans | P = British SUV |
| F = Triumph Spitfire & GT6 | | |

Fill out the entry form below and mail it to: Jerry Nesbitt, 3209 36th Ave., Rock Island IL 61201.
 Registration fees: Before Aug. 1st, \$15 first entry, \$5 each additional entry.
 After Aug. 1st, \$20 first entry, \$5 each additional entry.

Please use back side of form for additional entries. Submit this entire form to register.

Year	Make	Model	Class	\$ _____
Year	Make	Model	Class	\$ _____
Year	Make	Model	Class	\$ _____
Optional QCBAC Membership dues \$15.00				\$ _____
If paying by check, make payable to QCBAC. Total				\$ _____

Name _____
 Address _____
 City _____ State _____ Zip Code _____
 Phone # _____ email address _____
 Miles traveled to event: _____

rev. 6



**Volunteer to be the
Quad City British Auto Club
President or Vice President**