QUAD-CITIES BRITISH AUTO CLUB

2017 Edition / Issue 10

5 October 2017

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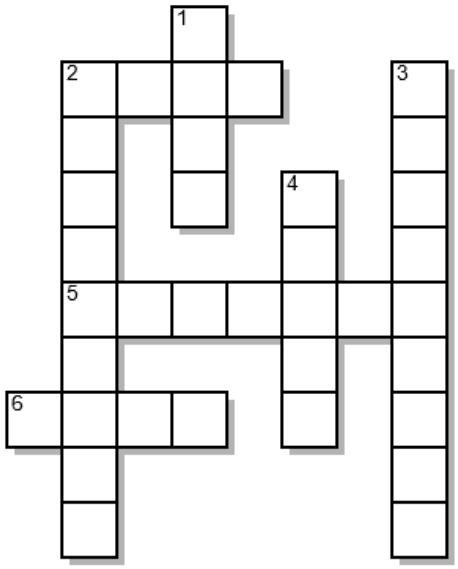
Heartland Autofest
Le Claire, IA - 2016

THE QCBAC

The QCBAC was formed to promote interest and usage of all British cars. The QCBAC website is at: http://www.qcbac.com

U.S. to British Puzzle

Less Than Optimal



ACROSS
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DOWN
1. Mistake or error
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QCBAC CONTACTS

President	Jerry Nesbitt	jerry.nesbitt@att.net
Vice President	Larry Hipple	larryhipple4@gmail.com
Secretary	John Weber	john.weber2@mchsi.com
Treasurer	Dave Bishop	daveandcolette@gmail.com
Board member	Carl Jamison	cwjamison@mchsi.com
Board member	Gary Spohn	spohninc@msn.com
Autofest Chair	Frank Becker	fbecker95@aol.com
Membership Chair	Pegg Shepherd	peggshepherd@gmail.com
Publicity Chair	Glen Just	glenjust@outlook.com

BRIT CAR QUESTION

The car pictured below looks like it could be a 1964 Aston Martin DB4 GT. However, it is not. This design was created by coachbuilder Zagato as early as 1960 which suggests that the 1961 to 1965 DB4 could have "borrowed" from its design.

Not an Aston Martin!

Identify the make and model of this car.

The answer is at the end of this newsletter.

QCBAC DINNER

Nineteen QCBAC members met at the Front Street Brewery in Davenport on 17 September for the monthly dinner. The weather was great for dining outside.

FUTURE QCBAC EVENTS

October Dinner	15 October 2017	4:00 pm
Old Chicago Restaurant	3030 Utica Ridge Road	Bettendorf, IA

Christmas Dinner:

The QCBAC Christmas will take place on 10 December at Montana Jacks, 5400 27th St, Moline, IL. RSVP to Linda Weber: john.weber2@mchsi.com by 30 November so the appropriate space can be reserved.

OTHER CAR CLUB EVENTS

Great Pumpkin Festival Downtown	15 October 2017 Dewitt, IA	11:00 am – 3:00 pm QC Cruisers
Illinois Valley Toy Run Downtown	15 October 2017 Princeton, IL	9:00 am – 3:00 pm Lions Club

There is a time—nobody can predict when—when there will be no combustion engines [in cars]. That will take a long, long time, but it will happen.

Torsten Müller-Otvös, CEO, Rolls Royce (July 2017)

Puzzle words:	Bent, Bloomer, Chav, Clobblers, Diversion, Gaff, Jammy

Bristol Cars

The British aircraft industry suffered a dramatic loss of orders and great financial difficulties following the Armistice of 1918. To provide immediate employment for its considerable workforce, the Bristol Aeroplane Company undertook the manufacture of a light car (the Bristol Monocar), the construction of car bodies for Armstrong Siddeley and bus bodies for their sister company, Bristol Tramways.

Early Bristol cars and trams (background)

1937 Frazer Nash BMW

On the outbreak of World War II, Bristol employed 70,000 and Sir George Stanley White, managing director of Bristol Aeroplane Company did not want to suffer the same difficulties again. The company began working with AFN Ltd, makers of Frazer Nash cars and British importer of BMWs before the war, on plans for a joint venture in automotive manufacture.

Around 1941, it was decided to purchase an existing manufacturer to create a post-war car manufacturing division. Eventually, this led to the take-over of Frazer Nash by the Aeroplane Company. With the support of the War Reparations Board, Bristol purchased the rights to manufacture three BMW models and the 328 engine. By July 1945, BAC had created a car division and bought a controlling stake in AFN. A factory was established at the Filton Aerodrome, near Bristol.

George White and Reginald Verdon-Smith of the Aeroplane Company joined the new Frazer Nash Board, but in January 1947, soon after the first cars had been produced, differences between the Aldingtons and Bristol led to the resale of Frazer Nash. The Bristol Car Division became an independent entity.

1952 Bristol 401

The Bristol Cars division was sold after its parent company joined with other British aircraft companies in 1960 to create the British Aircraft Corporation (BAC), which later became part of British Aerospace. The car division merged with Bristol Siddeley Engines and was marked for closure; however, it was bought in 1960 by George S. M. White, the grandson of the founder of the Bristol Aeroplane Company. White retained the direction of the company, but sold a forty percent shareholding to Tony Crook, a leading Bristol agent who became sole distributor.

1961 Bristol 407

The 407 was the first new model to be built by the new Bristol Cars Ltd after its separation from the Bristol Aeroplane Company in 1960. With a 5.2-liter Chrysler V8 engine, 250bhp and top speeds of 125mph, the 407 offered armchair luxury together with high performance. It looked similar to the 406 but subtle changes included an extra exhaust pipe at the rear and coil-sprung suspension.

A handful of the Bristol 407s were customized by other car shops. One such model was the GT 407 Z, which was created by the Zagata coachbuilding company. A very similar design appeared on the 1961-1964 Aston Martin DB4 GT Zagata, which was also designed by Zagata.

1960 Bristol (Zagata) GT 407 Z

1967 Bristol 410

In September 1969, only one month before the unveiling of the new Bristol 411 at the Earl's Court Motor Show, Sir George White (son of Sir G. Stanley White) suffered a serious accident in his Bristol 410. The car was only superficially damaged, but he suffered severe trauma.

As time passed, it became clear that Sir George would never regain his health sufficiently to return to full-time work. To safeguard the future of his workforce, he decided to sell his majority shareholding to Tony Crook. As the ties with the White family were severed, British Aerospace (successors to the Bristol Aeroplane Company) requested the company to move its factory from Filton Aerodrome and it found new premises in nearby Patchway. The showroom on Kensington High Street became the head office, with Crook shuttling between the two locations in Bristol's light aircraft.

The Bristol 412 was the last car with a series number starting with a 4. Zagata designed a Targa-type version, which was integrated into the production runs. The 412 was the first car to have a frameless window glass that dropped half an inch when the door was opened. It was also the first car to offer a factory option of dual-fuel petrol/LPG.

1975 Bristol 412 Zagata

1980 Bristol 412 Beaufighter

Based on the 412 but with an added turbocharger, the Beaufighter (named after the Bristol plane) became the fastest accelerating automatic full four-seater production car of its day. It also boasted a top speed of 150 mph. Still featuring the same Zagata design as the 412, with a removable roof, it is distinguishable by its four headlamps.

The original 603 was offered in two versions, the 603E had a 5.2 liter V8 petrol engine, whereas the 603S had a larger 5.9-liter unit, from Chrysler of Canada. The 603E improved fuel consumption to 18 miles per gallon (US) at around 62 mph (for comparison, as good as the Jaguar XJ-S).

1976 Bristol 603

Under Crook's direction, the company produced at least six versions of the 603 from 1980 to 2011. The names for some of these types continued the tradition of borrowing from Bristol's distinguished aeronautical past: the Blenheim, Britannia and Brigand.

In February 1997, Crook, then aged 77, sold a fifty per cent holding in Bristol Cars to Toby Silverton, with an option to take full control within four years. Thus, Toby Silverton joined the board with his father. Toby Silverton was the son of Arthur Silverton of Overfinch (a company known for Land Rover customizations) and the son-in-law of Joe Lewis of the Tavistock Group (A Bahamas-based private investment organization).

2004 Bristol Fighter (V10)

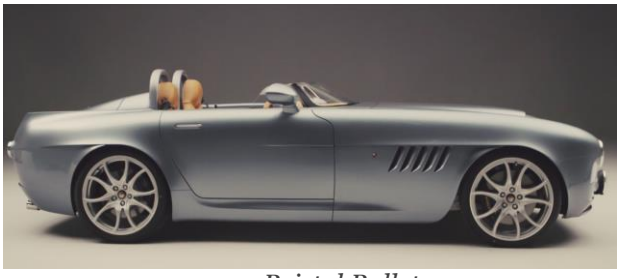
Anthony Crook and Toby Silverton produced the Speedster, Bullet and 411 Series 6, though 2002. Together, they developed a two seater V10 "supercar" named after the first Sir George White's world-famous First World War two-seater aircraft, the Bristol Fighter. The Fighter was sold from 2004 to 2011.

Crook finally relinquished his connection with Bristol Cars in August 2007. In March 2011, it was announced that Bristol Cars Limited had been placed into administration, and it was that company that was renamed and subsequently dissolved by the administrator.

On 21 April 2011, another new company was formed to sell the assets of the former dissolved company, and it was this company that was purchased by Kamkorp, which also owns Frazer-Nash Research, a technology manufacturer of electric power systems.

In 2015, Bristol Cars announced the development of a new model codenamed "Project Pinnacle". Initial reports indicated it would be a petrol-electric hybrid with a petrol engine from BMW. However a later media report and a May 2015 press release indicated that the car would have non-hybrid V8 power.

The BULLET is a two seater roadster that uses a naturally aspirated 4.8L V8 power plant manufactured by BMW and finished by Bristol. Developing 370 BHP with 490 Nm of torque, the engine is mated to either a 6 speed manual or a 6 speed automatic (with sequential sports shift function).



2017 Bristol Bullet

The right hand drive 2017 Bullet is rear wheel drive and the carbon fiber body keeps the total car weight down to 1250 kg (2,756 lbs) allowing it to reach 0-62 mph in 3.8 sec. It is estimated to cost £175,000 (236,483 USD). The planned production run is limited to 70 to commemorate the marque's 70th anniversary.

2017 Bristol Bullet

Aston Martin: (8/28) Aston Martin will be 100 percent hybrid by the middle of the 2020s with the electric motors and battery packs produced in-house according to CEO Andy Palmer. Aston Martin's first hybrid will be the Valkyrie hypercar due out in 2018. A year later, Aston Martin will introduce a pure electric version of its Rapide sedan. These will be limited-edition models, however. Aston Martin's first regular production hybrid and electric cars will be electric options for the DBX SUV entering production in 2019. In other Aston Martin news, the Financial Times reports that Aston Martin's mid-engine supercar due in 2020 will likely feature a new V-6. The V-6 would provide efficiency and packaging benefits and help the car escape punitive taxes in countries such as China. (9/5) Prototypes for a redesigned Vantage that is set to be unveiled later this year, as a 2018 model have been spotted testing in Europe. It is similar to the DB11 but the Vantage sits lower, has a shorter wheelbase and overall looks sportier and more focused. Aston Martin CEO Andy Palmer has described the new Vantage as being the option for track enthusiasts. It is possible the Vantage will only come with two seats this time around, differentiating it from the DB11, which stays with a 2+2 seating arrangement. Sales of the redesigned Aston Martin Vantage should commence towards the end of 2017 with a starting price near $140,000. (9/8) Aston Martin is working on a redesigned Vanquish due out next year or early 2019. The super GT Vanquish will be similar to DB11 but sits much lower. Aston Martin's latest bonded and extruded aluminum platform will be used with the Vanquish modified for more performance. Power will come from Aston Martin's 5.2-liter twin-turbocharged V-12 that will deliver at least 600 horsepower to the rear wheels. (9/25) Aston Martin has agreed to a deal to become the title sponsor for Red Bull Racing Formula 1 team from 2018. With the new deal, Aston Martin will build what it's calling an Advanced Performance Center at Red Bull's headquarters in Milton Keynes, United Kingdom. Red Bull is expected to continue using power units supplied by Renault through 2020.

Bentley (VW): (8/29) The 2018 Bentley Continental GT was unveiled at the 2017 Frankfurt Motor Show. LED matrix lighting (not currently legal in the United States) is incorporated into the headlights and the entire units are art. Inside, the 12.3-inch infotainment screen is part of a rotating three-sided display unit that rotates between the touchscreen, three analog gauges, and a book-matched piece of wood veneer. The touchscreen is complemented by a digital gauge cluster in front of the driver. Power is provided by an upgraded 6.0-liter W-12 borrowed from the Bentayga that now makes 626 horsepower and 664 pound-feet of torque resulting in a 0-60 mph time of 3.6 seconds and top speed of 207 mph. (9/13) Making a 180 from comments just last year, Bentley boss Wolfgang Dürheimer recently said that an electric sports car has taken priority over a SUV slotting in below the Bentayga. Dürheimer didn't divulge specifics, but in an interview with Autocar at the 2017 Frankfurt Motor Show, he said, "What I can say is that a small SUV is no longer on the scheme. We're favoring a car with full electric powertrain." The electric sports car may go into production as early as 2019 and share Porsche's J1 electric platform, which the German firm is developing for its Mission E.

Jaguar / Land Rover (TATA): (9/7) Leave it to Jaguar to prove that even lovers of classic cars need not fear the push towards electrification. The official classic car department of Jaguar Land Rover has installed a fully electric powertrain into the iconic 1960s Jaguar E-Type sports car. Called the E-Type Zero, the car is strictly a concept but Jaguar Land Rover is keen to see the market's reaction to investigate interest in bringing the conversion concept to reality. Jaguar Land Rover Classic has managed to integrate the electric powertrain in such a way that the whole process could be reversed. The powertrain could also be used in any other Jaguar that originally ran the inline-6 known as the XK. For example, the XK120, Mk2 and XJ6. There are 40-kilowatt-hours of battery capacity tucked in, enough for a practical range of 170 miles. The powertrain develops 295 horsepower and with an overall weight reduction of 100 pounds, the E-Type Zero can sprint from 0-60 mph in less than 5.5 seconds without any change to the handling. (9/11) Land Rover revealed a beefed-up Discovery at the 2017 Frankfurt Motor Show. With 518 hp and a more robust suspension, the Discovery SVX elevates the SUV's off-road capabilities to a new level. Described as a "production preview", the Discovery SVX features increased ground clearance thanks to a lifted suspension and large 275/55 R20 Goodyear Wrangler all-terrain tires with high sidewalls and a more aggressive tread pattern. Hydraulic Active Roll Control provides increased traction off the beaten path while also reducing body roll for smooth driving on the road. Under the hood sits a 5.0-liter supercharged V-8 gas engine that produces 518 hp and 461 lb-ft of torque. The model will become the first Land Rover vehicle to be hand-assembled at the SVO Technical Centre in the U.K., and the first to wear the SVX badge since the 2008 Defender SVX. (9/12) Jaguar is breaking new ground with one of the world's first race series for a production-based electric car. Jaguar's series called the Jaguar I-Pace eTrophy was announced at the 2017 Frankfurt Motor Show. The series will use racecars based on the I-Pace electric SUV, which so far has only been shown in concept form but is due for sale in 2018. Each season will consist of 10 races, and each race will see up to 20 I-Pace racecars compete. The cars will be specially built by Jaguar Land Rover's SVO division. (9/18) Land Rover Range Rover and Range Rover Sport plug-in hybrid models will both go on sale in the United States in March of 2018. The hybrids heading to the U.S. will use the automaker's own 2.0-liter inline-4 cylinder engine with an electric motor sandwiched between the engine and automatic transmission. More information is due in October. (9/19) Consistent with the last news bit from JLR, Land Rover is working on a redesign for its Range Rover Evoque, which will include a plug-in hybrid option. The Evoque plug-in hybrid is expected to sport a 1.5-liter inline-3 [Yes, a 3 cylinder engine] and single electric motor combo. Part of the system will be a lithium-ion battery, which will hold enough charge for a decent amount of electric range. Land Rover previewed the technology in 2015 in its Range Rover Sport Concept e PHEV that featured an electric motor sandwiched between the engine and transmission. (9/25) Land Rover is poised to offer a road version SUV, code named Road Rover, to compete with the Mercedes-Benz S-Class by the end of the decade. The vehicle will reportedly come with an electric powertrain and offer dynamic performance never before seen in a Land Rover. However, it's also said to be coming with some off-road capability—most likely soft-road capability—to carve out its niche in the market. A reveal of the Road Rover could take place as early as the 2019 Los Angeles Auto

Show. (9/26) The production Jaguar I-Pace will arrive at dealers during the second half of 2018, and Jaguar CEO Ralf Speth has revealed that Jaguar has already taken 25,000 orders for the I-Pace. The flexibility of electric power allows a shorter nose and longer cabin, providing more interior volume in a given length, than a conventional design could have provided. (9/26) Jaguar Land Rover CEO Ralf Speth confirmed this month that every model from the automaker launched from 2020 would feature some form of electrification. That means even the F-Type will be electrified, something Jaguar Land Rover CEO Joe Eberhardt recently confirmed to Automotive News. Of course, it could simply be that the F-Type will receive a mild-hybrid setup or it could go completely electric. The current F-Type is related to the XK which dates back to the last decade. The next one should be a clean-sheet design, a move that could allow the car to adopt a mid-engine layout.

Lotus (Geely): (9/6) The new Evora GT430 range now includes two body options and a choice of manual or automatic transmission. Joining the recently announced Evora GT430 is the Evora GT430 Sport, a new member of the family that carries the same phenomenal firepower and sculptured body-style but without the additional downforce-creating aerodynamic elements. Both models are powered by the same 3.5-litre V6 supercharged and charge cooled engine, producing 430 hp and 440 Nm of torque (AT version: 450 Nm). The lighter Sport version boasts a top speed to 196 mph (315 km/h) making it the fastest Lotus production car ever. (9/28) Zhejiang Geely Holding now owns a majority stake of 51% in Lotus Advance Technologies Sdn Bhd (Lotus) with a minority 49% being held by Etika Automotive (Etika), a Malaysian automotive group. In the first half of 2017, Lotus has already entered into a positive cash flow situation with sales rising by 10% in the first half in year on year comparison. With the introduction of new models over the course of this year, including the introduction of the fastest Lotus ever made – the Evora GT430 and with further expansion into the US and Chinese markets, Geely Holdings are confident that Lotus will continue to excel.

McLaren: (9/18) McLaren has reached back into the archives to honor the F1 for a limited-run of 570GTs in a very special color. More specifically, McLaren is talking about the F1 XP GT Longtail, the car built in 1997 for homologation regulations at the time. It featured a stunning "XP Green" exterior paint hue, and now McLaren Special Operations has finished six 570GTs in the color to honor the car. It's a gorgeous, deep-green color that seems to shimmer in different intensities depending on the light. For contrast, "Saddle Tan" pin-striping is used on the aero blades, side skirts, and rear diffuser. The same tan color covers the interior, with green leather inserts as an accent. Just six of these McLaren 570GTs will be built and all of them will be sold in Europe [Bummer] for around $254,000. (9/28) The McLaren BP23 test mule has been on the road and shows some information about the future car. The spiritual successor to the McLaren F1 of the 1990s, the BP23 promises to be the fastest McLaren ever. The car will be a hybrid, featuring the twin-turbocharged 4.0-liter V-8 from the 720S with electric motors to send output to more than 900 horsepower. The car features a 1+2 layout like the F1, which means the carbon fiber tub was altered to make room for the rear seat passengers. One trick to improve the aerodynamics is the use of digital mirrors enabled by

cameras. The BP23 is set to ship to customers in 2019; however, only 106 will be built and about 30 will come to America. The price is reportedly around $1.9 million.

MG (SAIC): (9/13) Originally founded in 1964 by Ukrainian Ivan Stojanov, the Gloucester family business, Clearwater Cars, is joining the MG network. The business is now run by his son Peter who continues the family commitment to honesty and fair treatment of customers. Welcoming the full range of MG models to the dealership, Clearwater Cars will be able to offer a far larger volume of new and used cars to local customers. It further extends MG Motor UK's dealer network in the South West of England. (9/26) In 2011, revived British marque MG started production of a hatchback called the MG 6 in the former Austin factory in Longbridge, United Kingdom. The latest addition is a new MG 6 sedan that takes inspiration from the MG E-Motion concept car shown during April's 2017 Shanghai Auto Show. It shares underpinnings with the i6 from fellow SAIC brand Roewe and offers a choice of a 1.0-liter inline-3 that produces 123 horsepower or a 1.5-liter inline-4 that makes 164 hp. A plug-in hybrid version of the MG 6 is also possible, which would use the Roewe i6's 1.0-liter engine paired to an 82-hp electric motor. This version is for the Chinese market; however, MG is expected to announce versions of the MG 6 for other markets during 2018. Unfortunately, the United States won't be one of them.

Mini (BMW): (9/12) Mini hinted at a new generation of its John Cooper Works GP at the 2017 Frankfurt Motor Show. The GP badge denotes a vehicle one-step above the John Cooper Works grade and Mini tends to use it towards the end of the product cycle. For this version, Mini has gone with the Hardtop but stripped it down to the bare essentials. The designers also widened the body and added aggressive front and rear fascias, large side sills, and a prominent roof spoiler straight out of racing. The wheels are a lightweight multi-spoke set measuring 19 inches in diameter. Inside the concept car reveals a roll cage, low-mounted bucket seats with 5-point belts and no shift lever. Changing gears is done by paddles on the steering column. (9/12) Mini's new electric car is due in 2019, and is set to join other electrified Minis such as the current Cooper S E ALL4 Countryman plug-in hybrid. The electric car will be based on Mini's signature Hardtop body style and be built at the brand's main plant in Oxford, United Kingdom. The powertrain will come from the same plants in Germany responsible for the i3's hardware. The Mini is expected to have a single electric motor and at least 200 miles of range.

Morgan: (8/30) Morgan Motor Company celebrated over a century of innovation and quality at the inaugural Run For The Hills event with thousands of Morgans from a 108-year history participating at the Malvern Three Counties Showground. Visitors were also treated to a stunning lineup of Morgan dealership displays as well as a concours and historic area celebrating Chris Lawrence and his significant impact on the Morgan marque. All three Morgan SLRs were displayed alongside TOK258, the Morgan that Chris Lawrence drove to victory at Le Mans in 1962. The oldest models were built in 1909 by H.F.S. Morgan while the

newest model had rolled off the assembly line that week. The cavalcade included over 50 3 Wheelers and was led by the all-electric EV3, driven by Managing Director, Steve Morris.

Rolls Royce (BMW): (9/7) BMW revealed plans to begin introducing electric cars for mass production in the near future that include Rolls-Royce vehicles. The German automaker revealed it has 12 new fully electric vehicles under development and plans to start producing the first of them in 2020. By 2025, the automaker will offer 25 electrified cars globally, with a mix of plug-in hybrids and pure-electric cars. BMW also said future technology would push the future electric ranges up to 435 miles. Rolls-Royce itself has said of its future powertrains that it plans to skip hybrids and move straight to battery-electric vehicles. However, the British luxury brand was careful not to pinpoint when its first electric car would arrive.

TVR: (9/8) TVR, famous for its fearsome sports cars such as the Sagaris and Typhon, has been revived and has just revealed a new car. Developed from scratch, the new car wears TVR's Griffith nameplate and made its debut at the 2017 Goodwood Revival taking place in the United Kingdom. TVR has yet to begin production in their new factory because it is not completed. The new Griffith is a grand touring coupe with a Cosworth-enhanced 5.0-liter V-8 used in the Ford Mustang GT. The front mounted engine, tuned to deliver 500 horsepower, spins the rear wheels via a 6-speed manual transmission. The TVR's claims a weight of just 2,645 pounds, 50:50 weight distribution, a 0-60 mph time of less than 4.0 seconds, and a top speed of 200 mph. TVR says the first batch of cars will be 500 special launch editions in early 2019 with pricing at $117,285. The Griffith is not being shipped to the U.S.; however, it will be undergoing crash testing and the Ford powerplant is California emissions compliant.

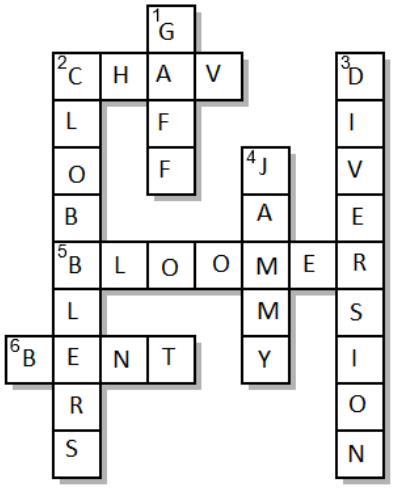
All Makes: (9/27) California Governor Jerry Brown has expressed interest in potentially banning the sale of cars powered solely by internal combustion engines, a decade from now. California would follow the Netherlands, Norway, France, the United Kingdom, India, and China if it were to introduce its own ban on the sale of new cars powered purely by fossil fuels. The potential for California to follow the Asian and European countries would have just as much of an impact, too; California alone registered more passenger vehicles than France last year. (9/27) Our future will be filled with electric cars. However, car enthusiasts love the tuning possibilities of the combustion engine. Electric cars will offer similar adventures under the hood. Instead of injectors, turbochargers, and intake manifolds, choices of magnets, battery packs, stators, and coils will come from Specialty Equipment Market Association (SEMA). The rest of the tuning will be the familiar brakes, suspension, tires, and dropping weight. Either way, SEMA is going to look quite different in the next decade or two. (9/29) Even though the United Kingdom's Department for Transport (DfT) rejects the term "classic car," it set a de facto 40-year cutoff age defining them this month as it decided which historical vehicles should be exempt from annual roadworthiness testing and which should not. Expected to grant MOT roadworthiness testing exemptions to 293,000 more vehicles, the DfT decision, released nearly a year after a public consultation on the topic, applies strictly to unmodified non-commercial "vehicles of historic interest" 40 years or older with a rolling

cutoff date. The DfT issued last year's consultation on roadworthiness exemptions in response to the European Union's own roadworthiness directive, which it issued in 2014 and allows member states to exempt any unmodified vehicle 30 years or older from testing.

British Car Answer: The car shown is Bristol 407 that was customized by the coachbuilder Zagata. Zagata also produced the 1961 to 1965 Aston Martin DB4 GT Zagata.

U.S. to British Puzzle

Less Than Optimal



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QCBAC Newsletter:
c/o Dr. Glen A. Just
2703 W 71st Street
Davenport, IA 52806

Newsletters Archives:
http://newsletters.glenjust.com

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