

A Chapter of the [Jaguar Clubs of North America](#)

Under The Bonnet

Newsletter of the

**Wasatch Mountain
Jaguar Register**

January 2019



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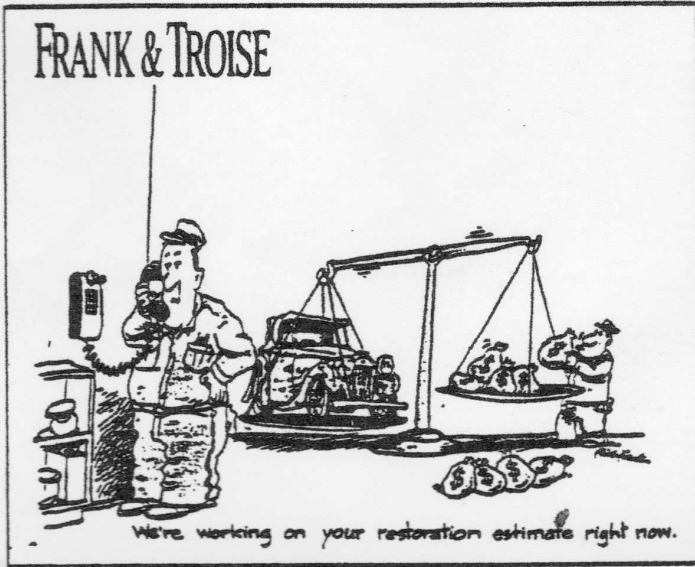
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Happy Year From Your Officers

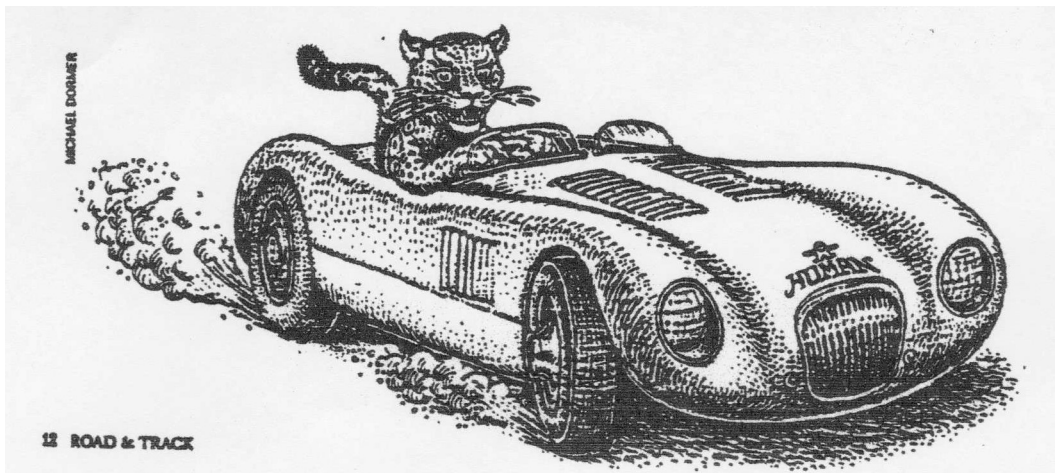
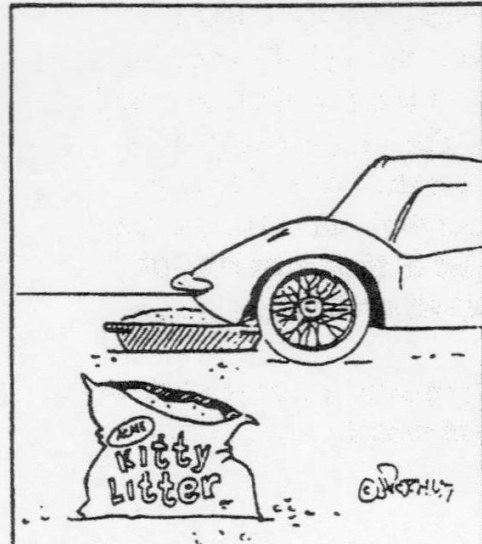
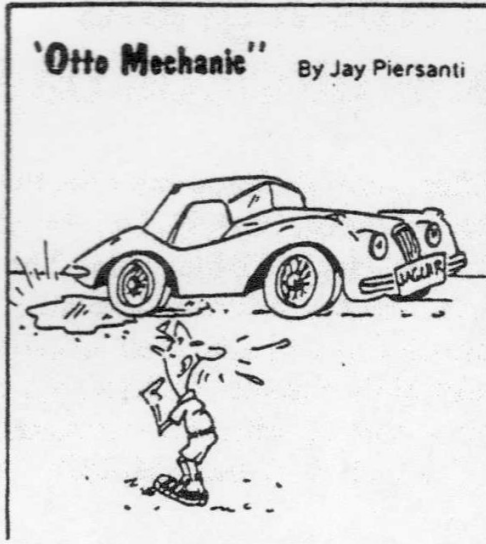


Your club
Had a productive and enjoyable 2018
And your officers are busy at work
Lining up an even better 2019
Stay tuned!

Light Hearted Contributions From J Jennings



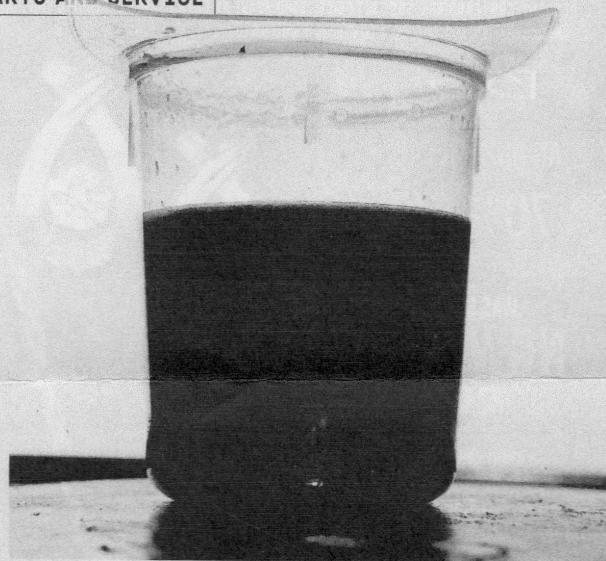
"It has very low mileage. The former owner never drove it. He couldn't get it started."



Also From J Jennings

DRIVING

↓ PARTS AND SERVICE



Why My Decade-Old Motor Oil Is Still Fine

/ BY EZRA DYER /

YOU BRING your car to the oil-change place and they slap a sticker on the windshield: Change it again in 3,000 miles or three months. You probably knew that the 3,000-mile interval was ridiculous, but what about that other deadline? What if you don't drive much and let your oil sit for six months? A year? I know a guy with a fleet of Ferraris, some of them seven-figure cars, and he goes only by mileage. "That oil was in the ground for 100 million years," he says. "What's six more months?"

Good question, one that I recently answered through semi-intentional negligence. Here's what happened: In 2008, I bought a Troy-Bilt lawnmower with a Honda engine. After a few years, I realized I hadn't changed the oil. But, by then, electric mowers were getting cheap, and I really wanted an electric mower. I figured I'd just let the Troy-Bilt go until it blew up.

Which it refused to do. I kept mowing my lawn, season after season, the little Honda purring away, until I eventually started feeling bad for the thing. I decided that if I pulled the trigger on an electric mower, I could at least give my Troy-Bilt to someone who would use it. I warmed it up, tilted it over, and drained the oil, saving a few ounces to send to Blackstone Laboratories, an oil-testing company in Fort Wayne, Indiana.

A basic analysis costs \$28.

I was particularly interested in the TBN (total base number). Oils contain bases to prevent acidification, so the TBN shows how much additive is left to keep it healthy. A TBN of less than one is considered bad. My oil's TBN? Five. Hooray! The sample was also spot-on for average values of zinc and calcium, but a little high on sodium. Silicon was way high, about four times normal. Flashpoint was a little low, at 360 degrees Fahrenheit.

What does all this mean? Blackstone wrote it out on my oil's report card: "Universal averages show typical wear for similar Honda engines with about 65 hours on the oil. This oil was in use for ten years, and may even be the factory fill. If so, some of the excess metal is from initial break-in and silicon could be sealer material from assembly. Silicon can also show abrasive dirt contamination, which causes poor internal wear. There's also some fuel and moisture in the oil. The TBN is okay at 5.0, so the oil actually has additive left in reserve. Make sure the air filter is in good condition." It still had additive, and the biggest contaminant, silicon, is probably from the initial break-in. The oil was dirty, but leaving it there for ten years didn't really hurt anything. So, should you wait ten years between oil changes? No. But don't worry if you miss the date on the Jiffy Lube sticker.

TEST YOUR OIL

A \$30 analysis will tell you how long your car can really go between oil changes. Knowing to skip even one unnecessary trip to the shop makes it worth it.

STEP

1

SET UP FOR A FULL OIL CHANGE.

You could pull just enough for a sample, but the results might over-represent the dirt lurking around the drain.

STEP

2

WARM UP YOUR ENGINE.

This cooks off any fuel and gets the oil flowing. Have a clean container ready. I used an empty water bottle—dry, of course.

STEP

3

DRAIN YOUR OIL.

Halfway through, funnel a three-ounce sample into your bottle.

STEP

4

MAKE SURE THERE ARE NO LEAKS.

In Blackstone's case, you wrap the sample jar in absorbent material, zip that in a plastic bag, then put that in a larger plastic container, which you also seal. That one has a prepaid USPS sticker on it, so off it goes—maybe. Oil is not a hazardous material, but some post offices might give you guff about sending it. Refer them to USPS Publication 52, "Hazardous, restricted and perishable mail." Or just put your sample in a box.

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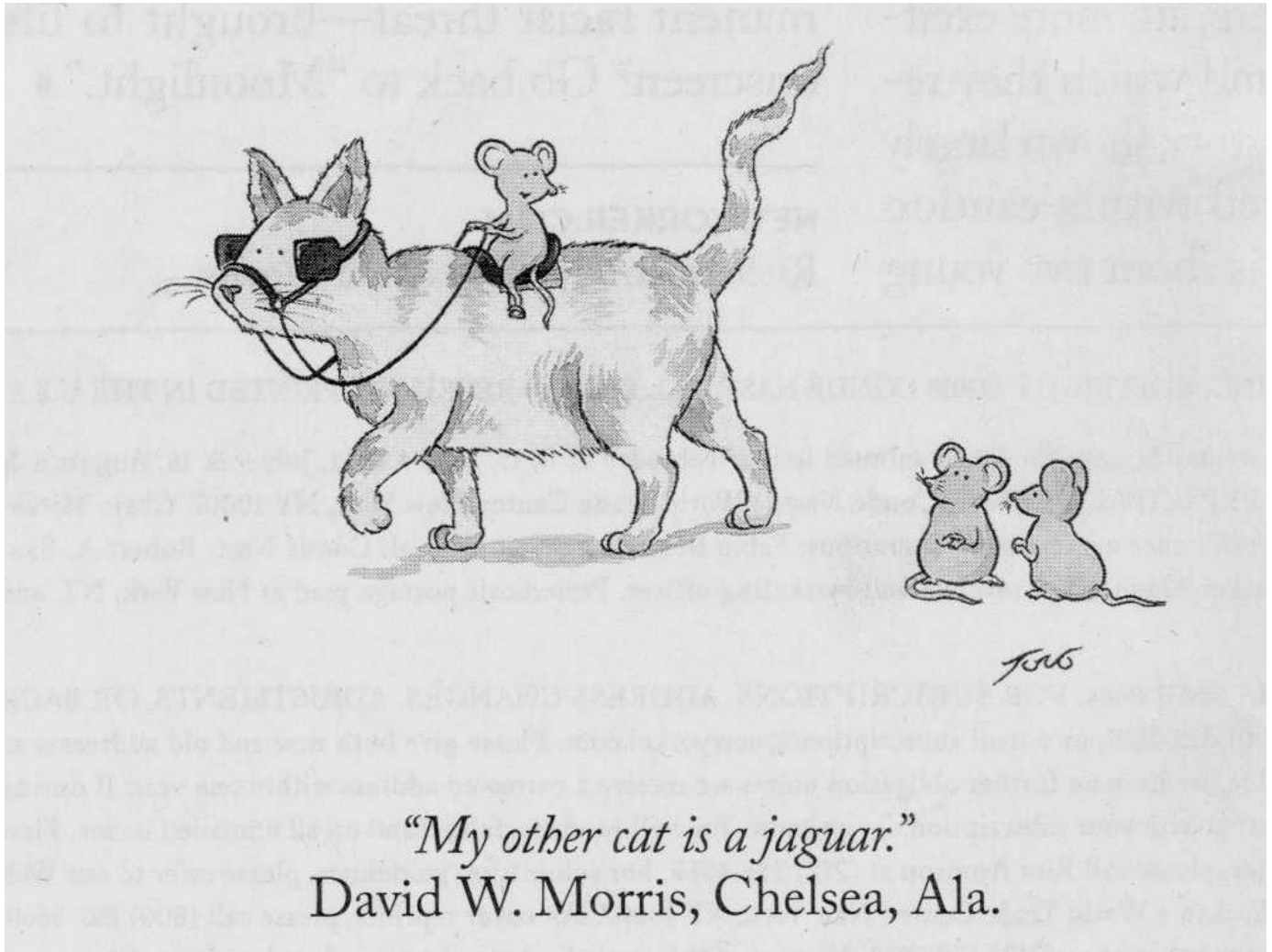
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"My other cat is a jaguar."
David W. Morris, Chelsea, Ala.

From *The New Yorker Magazine* cartoon caption contest

The Future As Viewed On The Internet

Auto repair shops will go away. A gasoline engine has 20,000 individual parts. An electrical motor has 20. Electric cars are sold with lifetime guarantees and are only repaired by dealers. It takes only 10 minutes to remove and replace an electric motor. Faulty electric motors are not repaired in the dealership but are sent to a regional repair shop that repairs them with robots. Your electric motor malfunction light goes on, so you drive up to what looks like a Jiffy-auto wash, and your car is towed through while you have a cup of coffee and out comes your car with a new electric motor!

Gas stations will go away. Parking meters will be replaced by meters that dispense electricity. Companies will install electrical recharging stations; in fact, they've already started. You can find them at select Dunkin Donuts locations.

Most (the smart) major auto manufacturers have already designated money to start building new plants that only build electric cars.

Coal industries will go away. Gasoline/oil companies will go away.. Drilling for oil will stop. So say goodbye to OPEC!

Homes will produce and store more electrical energy during the day than they use and will sell it back to the grid. The grid stores it and dispenses it to industries that are high electricity users. Has anybody seen the Tesla roof?

A baby of today will only see personal cars in museums..

The FUTURE is approaching faster than most of us can handle.

In 1998, Kodak had 170,000 employees and sold 85% of all photo paper worldwide. Within just a few years, their business model disappeared and they went bankrupt. Who would have thought of that ever happening?

What happened to Kodak will happen in a lot of industries in the next 5-10 years and, most people don't see it coming.

Did you think in 1998 that 3 years later, you would never take pictures on film again? With today's smart phones, who even has a camera these days?

Yet digital cameras were invented in 1975. The first ones only had 10,000 pixels, but followed Moore's law. So as with all exponential technologies, it was a disappointment for a time, before it became way superior and became mainstream in only a few short years. It will now happen again (but much faster) with Artificial Intelligence, health, autonomous and electric cars, education, 3D printing, agriculture and jobs.

Forget the book, "Future Shock", welcome to the 4th Industrial Revolution.

Software has disrupted and will continue to disrupt most traditional industries in the next 5-10 years.

UBER is just a software tool, they don't own any cars, and are now the biggest taxi company in the world!

Ask any taxi driver if they saw that coming.

Airbnb is now the biggest hotel company in the world, although they don't own any properties.

Ask Hilton Hotels if they saw that coming.

Artificial Intelligence: Computers become exponentially better in understanding the world

This year, a computer beat the best Go-player in the world, 10 years earlier than expected.

In the USA, young lawyers already don't get jobs. Because of IBM's Watson, you can get legal advice (so far for right now, the basic stuff) within seconds, with 90% accuracy compared with 70% accuracy when done by humans. So, if you study law, stop immediately.. There will be 90% fewer lawyers in the future, (what a thought!) only omniscient specialists will remain.

Watson already helps nurses diagnosing cancer, its 4 times more accurate than human nurses.

Facebook now has a pattern recognition software that can recognize faces better than humans. In 2030, computers will become more intelligent than humans.

Autonomous cars: In 2018 the first self-driving cars are already here. In the next 2 years, the entire industry will start to be disrupted. You won't want to own a car anymore as you will call a car with your phone, it will show up at your location and drive you to your destination. You will not need to park it you will only pay for the driven distance and you can be productive while driving. The very young children of today will never get a driver's license and will never own a car.

This will change our cities, because we will need 90-95% fewer cars. We can transform former parking spaces into parks.

1.2 million people die each year in car accidents worldwide including distracted or drunk driving. We now have one accident every 60,000 miles; with autonomous driving that will drop to 1 accident in 6 million miles. That will save a million lives plus worldwide each year...

Most traditional car companies will doubtless become bankrupt. Traditional car companies

will try the evolutionary approach and just build a better car, while tech companies (Tesla, Apple, Google) will do the revolutionary approach and build a computer on wheels.

Look at what Volvo is doing right now; no more internal combustion engines in their vehicles starting this year with the 2019 models, using all electric or hybrid only, with the intent of phasing out hybrid models.

Many engineers from Volkswagen and Audi; are completely terrified of Tesla and so they should be. Look at all the companies offering all electric vehicles. That was unheard of, only a few years ago.

Insurance companies will have massive trouble because, without accidents, the costs will become cheaper. Their car insurance business model will disappear.

Real estate will change. Because if you can work while you commute, people will move farther away to live in a more beautiful or affordable neighborhood.

Electric cars will become mainstream about 2030. Cities will be less noisy because all new cars will run on electricity.

Cities will have much cleaner air as well. (Can we start in Los Angeles, please?)

Electricity will become incredibly cheap and clean.

Solar production has been on an exponential curve for 30 years, but you can now see the burgeoning impact.

And it's just getting ramped up.

Fossil energy companies are desperately trying to limit access to the grid to prevent competition from home solar installations, but that simply cannot continue - technology will take care of that strategy.

Health: The Tricorder X price will be announced this year. There are companies who will build a medical device (called the "Tricorder" from Star Trek) that works with your phone, which takes your retina scan, your blood sample and you breath into it. It then analyses 54 bio-markers that will identify nearly any Disease. There are dozens of phone apps out there right now for health purposes.

WELCOME TO TOMORROW - it actually arrived a few years ago..

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Club Calendar

Lots More Club Events Coming in 2019!

April

Cat Dance Film Festival

Barry Hanover, 435-645-4933, bhanover1@msn.com

May 29 — June 11, 2019

Red Rock Rallye

Randy and Debbie Aagaard, rka@aagaards.com



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