

Science and Digital Briefs

By Shopper Editor Dave Bunting



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We can help Ukrainians with charitable donations:

Food, medical, etc. help:

Ukraine Red Cross:

shpr.fyi/ukraineredcross

Samaritans Purse:

shpr.fyi/samaritanpurse

Mercy Corps:

mercycorps.org/donate

Military help:

war.ukraine.ua/donate/



Electric Vehicles Update

Perhaps the best, though expensive, electric cars are the Tesla Model 3's:

Model	Range	Home Charge	Public Charge	Price
Standard	305 mi	8 hr	20 min	\$46,190
Long Range	374 mi	11 hr	34 min	\$52,190
Performance	340 mi	12 hr	23 min	\$60,190

The Model 3 Long Range has [one of the best driving ranges of any pure-electric car](#) on sale, significantly bettering those offered by larger EVs like the [Jaguar I-Pace](#) and [Audi e-tron](#), while the Polestar 2 can manage up to 336 miles. Charging for the Model 3 is done using a [Type 2 or CCS cable](#), giving you access to [Tesla Superchargers](#) (not available for home use) and the public charging network.

Find a Tesla-only Supercharger in a Model 3 Long Range and you can charge from 10% to 80% in a little over 20 minutes, while a standard [home wallbox charger](#) will take you to 100% in under 12 hours. The charging port is hidden in the side of the light cluster, and you open it by pushing a button on the cable.

Tesla Model 3 range

The Tesla Model 3 is offered in three trim levels, which are in effect just the three different range options: the entry-level Standard Range Plus for \$46,700 returns 278 miles, the Long Range 360 miles and the top-spec Performance 352 miles – the latter sacrificing a little range in the name of its neck-snapping acceleration.

Those figures still impress, but rivals like the Kia EV6 are catching up – it can manage up to 328 miles with rear-wheel drive. The Ford Mustang Mach-E Extended Range can go even further than the Model 3, with a top range of up to 379 miles.

There are charging stations at Mossyrock and Yakima but as yet no charging stations along Hwy. US12 between those. There are two near Ashford.

Info: shpr.fyi/electriccar



Help for Kids who Stutter is as Close as Your Library

Kids who stutter have a lot to say, and friends can show them how in *Stuttering: For Kids By Kids*, a DVD in English and Spanish starring kids who stutter, available at most public libraries or through interlibrary loan.

Many children who stutter have never met others who struggle with the same disability. In this DVD from the Stuttering Foundation, they meet kids who recount how they handle challenges such as teasing, speaking out in class, and teaching others about stuttering.

Swish, a lively and engaging animated basketball character designed by students at Purdue University, narrates the DVD. The children, who range in age from first-graders to high school students, offer frank and sometimes differing views of stuttering.

Info: info@stutteringhelp.org



Towing your electric car

If you are getting your electric car towed, make sure you call a service provider with a flatbed tow truck. Why? Because flatbed tow trucks carry the whole vehicle and don't drag them down the road.

Many electric cars don't have a neutral position which allows the car to move the wheels without affecting the motor. If you have your electric car towed with a hook and chain tow truck, you'll be damaging the motor and will be risking more damage to your car.

Charge Instead Of Getting Towed

Instead of getting your electric vehicle towed the nearest charging station, you can ask the towing company if they have a charging truck that can charge your vehicle wherever you are. There specifically designed trucks for this purpose but not all offer them.

Charging trucks can only be an alternative to towing your electrical vehicle when the problem is a drained battery. If other problems exist, there is no other way to get your car to the shop than to have it towed by a flatbed tow truck.

Can Towing An Electric Car Really Recharge It?

There have been claims of electric car owners who were able to recharge their electric cars by having it towed by another vehicle. Although many have claimed to do it, it isn't advisable because you can break the warranty on your vehicle, and it is even illegal to do in some US states.

To recharge the electric car with the towing method, the wheels should be touching the ground and a driver should be using the brakes. This triggers recharging through regenerative braking. Control over using the brake is very important and the driver should not simply step on the breaks because it can trigger the real brakes.

Info: <https://shpr.fyi/electriccharge>

Check out this week's Bible Readings on page 6 which includes Jesus' telling of the prodigal son: "But we had to celebrate and rejoice, because this brother of yours was dead and has come to life; he was lost and has been found." Luke 55:32 NIV

Dave Bunting, Mar. 21, 2022

References in links below items.

See these columns on my blog daverant.com