



The Constellation

Newsletter of the Mile High Section

October 2024 mbcamilehigh.org

MBCA Mission Statement: To Elevate the Mercedes-Benz Experience Through Knowledge, Camaraderie and Exceptional Events.

President's Message – 'All About the Benz' By Whitlow Wong



On Saturday, September 7, eight of us met at Woolly Mammoth Park-N-Ride in Golden and then drove on to the Georgetown Visitor Center in Georgetown for a break. We then continued on to Breckenridge anticipating our visit to Isak Heartstone. It was a very nice drive and a beautiful day for our outing. The walk to Isak was very short and easy. After our photo shoot, we took the Trolley Bus into town for lunch at Horseshoe Restaurant and then gelato at I Scream Gelato. We were lucky to be joined on this trip by new members, Roger and Linda Woo and look forward to seeing them at many upcoming events.



Friday – Sunday, Oct 4-6 **Fall Road Trip** to Steamboat Springs was a great success with @20 cars and 40 participants.





On November 9, at 12 noon, we are planning a **Members' Meeting** at The Wishbone Family Restaurant,

9701 Federal Blvd, Westminster. For over five decades The Wishbone has been serving family comfort food and is known for their fried chicken dinners. We invite all members to join us and come prepared with ideas of events that you would like to see next year. All ideas are welcome. Please RSVP to Ron Graham by November 1 at 303-745-7578 (h), 303-601-0973 (c), or ron922grif@aol.com.



On Saturday, December 7 at 2 pm, we'll have our **Holiday Party** at the Bridgewater Grill at The Golden Hotel, 800 11th St, Golden. We have a reservation for 30. We've chosen to have this event starting at 2 pm so that we won't be out driving in the dark at night. Detailed information will be in future newsletters.

Our upcoming events:

Date	Event	Place
Oct 4-6	Fall Road Trip	Steamboat Springs
Nov 9	Members' Meeting	Westminster
Dec 7	Holiday Party at Bridgewater Grill	Golden

Again, I'm asking members to submit stories about how they got their first Mercedes. Please send your story to whitlowwong@comcast.net and then it will appear in the newsletter.

A very important plea ... we are looking for members to join our Board of Directors. All are invited. We are especially looking for new members to join the Board because we'd like fresh ideas. We really need your help so please consider joining the team. If you are interested or want additional information, please contact Whitlow Wong at whitlowwong@comcast.net.

Mercedes Developing Solid State Batteries Potentially Increasing EV Range by 80%

Mercedes-Benz and Factorial partner on innovative solid-state batteries, promising significant advancements for the future of electric vehicles.

By [Verdad Gallardo](#) - September 12, 2024

Mercedes-Benz and U.S.-based **Factorial** have teamed up to develop cutting-edge **solid-state batteries** that promise to transform **electric vehicle** (EV) technology. These batteries, known as Solstice, offer an energy density of 450 Wh/kg, potentially increasing an EV's range by up to 80% over current lithium-ion batteries. This leap in energy storage capability could make EVs far more practical for longer journeys, a key obstacle in their widespread adoption.

The Solstice batteries use a sulfide-based all-solid-state electrolyte system that improves safety by reducing the risk of **overheating and fire**, common concerns with liquid electrolyte designs. Additionally, their advanced dry cathode design simplifies production while boosting overall efficiency and sustainability. Mercedes-Benz chief technology officer Markus Schaefer emphasized that lighter solid-state batteries could lead to the use of cheaper steel instead of aluminum in car bodies, further lowering production costs.

Thermal Stability and Safety

One of the most notable attributes of the Solstice battery is its thermal stability, allowing it to function at temperatures exceeding 90°C (194°F) without performance degradation. This temperature resilience could reduce the need for complex cooling systems in EVs, streamlining the design and cutting down weight. Factorial's solid-state electrolyte technology addresses significant safety issues, making it a major step forward in battery technology, with fewer safety concerns than traditional lithium-ion designs.

Despite the promise of solid-state batteries, scaling up production remains a challenge for manufacturers. While the technology itself is not entirely new, creating enough batteries to meet the needs of major automakers has been difficult. However, Mercedes-Benz and Factorial are optimistic, aiming to bring their solid-state technology to market by the end of the decade. This collaboration is further solidified by Mercedes' \$200 million investment in Factorial, reflecting their confidence in the future of this technology.

Strategic Partnerships for Future Success

Mercedes-Benz's collaboration with Factorial began in 2021, and their joint development efforts are set to make significant strides in EV performance, safety, and cost efficiency. In addition to its work with Factorial, Mercedes-Benz has also invested in other battery firms, such as Taiwanese company

ProLogium, and is exploring alternative solutions, including high-silicon anodes. These efforts reflect a broader commitment to leading the EV revolution, not just in battery development but across the entire vehicle ecosystem.

Classified Items for Sale

Ad Terms: Members of the Mercedes-Benz Club of America, Inc. may advertise in *The Constellation* to buy, sell, or trade Mercedes-Benz automobiles and related items or services at no charge provided that no commercial promotion is involved. Ads may include a photo. Submitters are asked to contact the editor immediately upon the sale of automobile or item, or conclusion of a business or service advertised.



Francis E. Abate
BS Automotive Restoration Technology,
McPherson College

240.401.4624
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Steamboat Springs, CO



1967 250SE Cabriolet - solid, rust free (California) project car - all parts and pieces are there. Engine has been rebuilt (engine and transmission are out of the car), the mechanical fuel injection pump has been refreshed and calibrated. Location, Steamboat Springs. Call me for more pictures and details, \$25,000. Francis Abate, 240-401-4624.

For Sale: 1958 Mercedes Benz 220S Coupe, very good to excellent condition. Located in Falcon CO. Contact Regina at 719-332-1537.

For Sale: 2017 S550, VIN # WDDUG8FB1HA314773, 36,500 miles

Purchased March 1, 2022 from MB Westminster for \$65,500 with 31,600 miles.

Second owner, the first owner was the F & I Manager at the dealership. MB Westminster sold it new and has all the service records. I have the new window sticker of \$120,000. I believe it has every upgrade package available. Includes two keys & manuals.

From what I found online there are a few of these around the country listed for sale at \$37,000 to \$42,000. Depending on features and miles, I would consider offers in the high \$30,000s, not desperate, but would be as reasonable as possible working with a buyer. Contact Brad Hendrix at 303 946-9112.



For Sale: 2017 CLA AMG63S, Obsidian black/Designo red-black leather, 23,000 miles, Colorado car. New tires, ceramic coating (10 yr warranty), excellent inside and out. Factory raised speed limiter to 186 mph, 577 HP-590 torque. \$73,000 Contact Mark at 719-331-2614, msreich@comcast.net.



Interested in an MBCA Name Badge? Here's How to Get Yours!

MBCA logo name badges serve as excellent identifiers at MBCA Sectional, Regional, or National events, fostering camaraderie among members.

Now, you can personalize your badge through a new feature launched on the MBCA website in June 2024: ProShop.

Assuming you've already set up your account on the MBCA website, follow these steps:

1. Log in at MBCA website.
2. Click on the "Members Only" button.
3. Navigate to the "MBCA Store" section. Don't be confused by the fact that it's labeled as "Mercedes-Benz Club of America"—it's still ProShop.
4. ProShop operates independently from MBCA, so you'll need to create a separate account here (your MBCA.org login/password won't work).
5. Once inside ProShop, you'll find the name badges prominently displayed. ProShop offers three different formats of name badges.

Get noticed – grab your personalized name badge today!

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**Rocky Mountain
Regional Director:**