

California Automotive Teachers

Spring 2021

Issue #56

CAT NEWS

www.calautoteachers.com

Newsletter Highlights

- ♦ Industry Trends
- California Brake Pad Law
- ♦ Board Member Reports
- ♦ Conference Registration

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The CAT Spring 2021 Conference is being hosted virtually by Evergreen Valley College

- Please plan to join fellow members for a full day of workshops and exhibitors on April 24th, 2021!
- Click the link to register for this WebEx event: Spring 2021
- Recognition of individuals or entities will take place during the general meeting of the Spring Conference, with certificates and plaques being mailed out.
- The CAT Board and members will be welcoming Pete Escoto as new President and nominating a new Vice President from the south part of the state.
- The CAT Executive Director position is open. If you are interested in becoming CAT's Executive Director please contact any CAT board member. George Hritz will assist the new Executive Director by having that person shadow him while he attends to the duties of the position for several months to create a smooth transition.

*Please continue to look for emails and notifications from CAT.

Together we will remain strong for Automotive Education in the state

of California.*

The California Automotive Teachers will meet virtually for the **Spring Conference** due to COVID-19 closures. We are looking forward to the interaction of our members.

President's Letter by Wendy Lucko

Hello members,

I hope that these challenging times find you well, even when there does not seem to be enough hours in a day. As I am sure is the case for most, I am trying to put multiple things in the air like bringing Pasadena City College back to face to face, getting my own children back to school, maintaining my classes, and submitting our Perkins request! Rest assured that the CAT Board and your fellow members are here to help you with training. Please make sure you register for



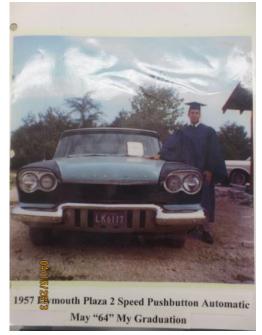
the spring conference as we would like to see as many of you there as possible. With that, I hope to see you all soon. Be hopeful we all have a safe return to our students.

Sincerely, Wendy

First Cars!

Later in this issue, you will find a Rare Cars article featuring some of past president Phil Jelinek's collection. As CAT board members were discussing a video of cars of the past, they began sharing about their first cars and we are happy to present these (partially) unedited anecdotes.

Phil Jelinek - Not only do I remember (cars from the video), I remember my dad purchased a 1948 Kaiser Traveler. Shortly after that, my two older sisters and I traveled with our parents from the Chicago area to Pikes Peak and back. He then purchase a 1953 Kaiser Manhattan among other 50's and 60's cars. My first car was a 1957 Plymouth Plaza, I'm holding my high school diploma in the picture!! My first new car was a 1966 Mustang Convertible. My brother graduating from 8th grade and two of my three sisters in the car!! I go much farther back than all of you!! Ahhhhhhh the memories!!!!



Executive Director's Report by George Hritz



By the time you read this newsletter it will have been a year since the first shelter-in-place order was given. Since then, education normality changed dramatically. I know some of you have not seen your students in person since then. Some of you are conducting hybrid programs while a few are back to full in-person classes. There is a light at the end of the tunnel as many counties have prioritized educators to receive their vaccination.

The CAT Spring 2021 Conference on April 24th will be a virtual conference. Join us for a valuable professional development opportunity. Hopefully the Fall 2021 CAT Conference will be in-person at Pasadena City College.

KUDOS

Big kudos to Wendy Lucko for putting together the first virtual CAT conference last Fall. Donal Howell, Tom Broxholm, Pete Escoto and Armando Hernandez all contributed to the success of the conference, but they would agree that it was Wendy who did the heavy lifting. Thanks Wendy! Great job!

FOR YOUR BENEFIT

As you defend and improve your programs here are a few facts that might be of help to you:

The **California Automotive Wholesalers Association** (CAWA) Spring Educational Forum was held virtually February 11th and 12th. A presentation was given by IMR Inc. a full-service automotive market research firm and leading provider of comprehensive insights and analysis. One topic presented was "Perceptions of the Trades as an Occupation." The presentation included data from three questions. It demonstrates that more parents are now not opposed to family members choosing a trade for a career.

What percentage of households said their perception of the trades has become more favorable due to the pandemic? 33% *More Favorable*

If a family member/child was considering a trade, what percentage of U.S. households would recommend that career choice? **39.8%** *Extremely Likely*

What percentage of those who would recommend a career in the trades would recommend being an automotive technician? **66%** *Extremely Likely*

The Autocare Association State of the Aftermarket Town-Hall Meeting 12/3/2020

Massachusetts voters overwhelmingly voiced their support at the ballot box for "Ballot Question 1", which will preserve the right of vehicle owners to have access to and control of their vehicle's mechanical data for service and repair at the shops of their choice. The Autocare Association is lobbying the national government to create a law to establish those rights in all states. The automotive manufactures are fighting this. They believe that because of security issues vehicles should only be repaired at the dealership using their electronic diagnostic equipment.

Autocare reported the National Outlook for:

DIY repairs: 43% increase over the Summer of 2020 and 30% increase over the Fall of 2020. The reason for this is because of the lockdown people were looking for projects to keep them busy.

Professional repairs: There were more high-ticket and high-quality repairs as techs had more time to do thorough

inspections and people didn't need their vehicles because they were working from home.

A few facts about the US Automotive Aftermarket; It is a \$405 billion industry, there are 4.7 million employed at 500,000 locations.

When you need some help with advocating for an issue, the Autocare Association has a website that offers tools to help https://www.autocareadvocacy.org

If you are having to defend your program it is important to know that since the pandemic started:

The number of open technician positions has not decreased.

There has been a 43% decrease in applications for open positions.

The average age of a technician in the United States is 50 years old.

The number of open technician positions has grown to 370,000 nationwide.

It is critical to have local employers and their employees as members of your advisory committees. An excellent source for committee members is your local ASCCA Chapter.

IMPACT

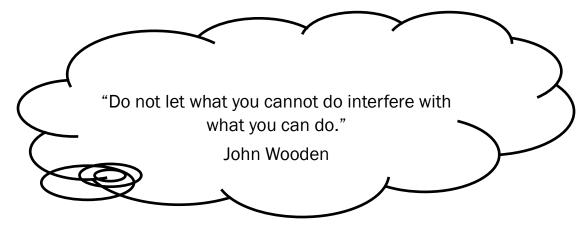
Legislative Bills 2021

AB 299 Career Technical Education: Apprenticeship Program Villapudua [D] Establishes the Apprenticeship Grant Program, commencing with the 2022-23 academic year, under the administration of the Student Aid Commission, to provide grants to encourage community college students to go into career technical education and vocational programs through participation in apprenticeships.

AB 839 Career Technical Education Incentive Grant Program O'Donnel [D] Provides that, for the 2021-22 fiscal year and each fiscal year thereafter, an unspecified amount would be made available to the Department of Education, upon appropriation by the Legislature in the Budget Act or another statute, for the California Career Technical Education Incentive Grant Program. Makes slight adjustments to program provisions relating to eligibility requirements for grant applicants and to the reporting requirements.

Be sure to contact your local legislators and ask them to support these bills.

I'm looking forward the Spring Virtual Conference, but I am really looking forward to the days when we can meet in person to renew friendships and interact together.



Installing Brakes? Look for the Label.

Selecting compliant brakes under the California Brake Pad law.

SACRAMENTO – California's Brake Pad Law requires all new vehicles sold in the state on and after Jan. 1, 2021, to be equipped with brake pads containing less than 5 percent copper by weight. The original brake pads and their replacements need to be certified by a DTSC-approved third party.

Two questions you may be asking yourself: "How does this affect me?" and "Do I need to replace the brake pads on my customer's car to comply with the law?" You do not need to replace the brake pads on a customer's vehicle simply to comply with this law. When it's time to replace the brake pads on your customer's car, you will need to know when their vehicle was manufactured.

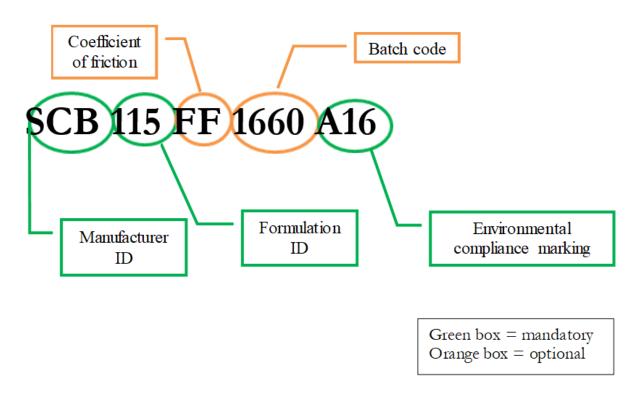
When selecting brake pads, a certification mark or packaging logo, will be printed on the box. This logo is there to indicate to consumers and retailers that the product is compliant with California's Brake Pad law and regulations. The table below provides an image of the packaging logo and a description of the "A", "B", and "N" environmental certification levels.

Environmental Compliance Level	Certification Mark	Environmental Compliance Level Description
A	A	The "A" level means the brake friction material contains these compounds below the following concentrations: - 0.01% by weight of cadmium and its compounds 0.1% by weight of chromium (VI) salts 0.1% by weight of lead and its compounds 0.1% by weight of mercury and its compounds 0.1% by weight of asbestiform fibers.
В	B	The "B" level means the brake friction material contains less than 5.0% by weight of copper and also meets the conditions listed for an "A" level.
N	TM N	The "N" level means the brake friction material contains less than 0.5% by weight of copper and also meets the conditions listed for an "A" level.

If your customer's vehicle <u>was manufactured before January 1, 2021</u>, you can use brake pads that are certified as Level A, Level B, or Level N (see table above). For example, you may install Level A brake pads on a car that was manufactured in 2019. However, a <u>new</u> car sold in California <u>on and after January 1, 2021</u> must be equipped with Level B brake pads and its replacement brake pads must be certified as Level B. You can also use Level N brake pads on these vehicles since the copper concentration in Level N brakes is certified as less than 0.5%. However, you cannot install Level A brake pads on these vehicles because the copper concentration is greater than 5%.

The "marked proof of certification" is printed on the brake pad backplate or along the edge of the brake pad and links the product to laboratory testing results and self-certification documents on the certification agency's website. Currently, DTSC recognizes NSF International and the Automotive Manufacturers Equipment Compliance Agency, Inc. (AMECA) as testing certification agencies.

The figure below is an example of a marked proof of certification which provides information in the following order: manufacturer ID, formulation ID, coefficient of friction, batch code, and the environmental compliance marking. The manufacturer ID, formulation ID, and environmental compliance marking are required as part of the marked proof of certification. The environmental compliance marking is comprised of a letter ("A", "B", or "N") and two-digits for the manufacture date (e.g., 16 refers to 2016). The environmental compliance marking <u>will always</u> be the last three characters printed or stamped on a brake. A <u>fact sheet</u>, created by the State of Washington Department of Ecology, shows a variety of acceptable locations for the environmental compliance marking.



The California Brake Pad law has one sell-off period that applies to brake pads manufactured prior to January 1, 2014. These brake pads may only be installed on <u>vehicles manufactured prior to January 1</u>, 2014. Solely for the purposes of depletion of inventories until December 31, 2023. A <u>frequently asked questions section for auto repair shops</u> is available on the DTSC Web site. <u>More information can be found in the law</u> (opens new window).

Click on DTSC's <u>Brake Pad program</u> for more information. Join the <u>Brake Pad elist</u> to receive updates and information regarding the California Brake Pad law.

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FOR GENERAL INQUIRIES: Contact the Department of Toxic Substances Control by phone at (800) 728-6942 or visit www.dtsc.ca.gov. To report illegal handling, discharge, or disposal of hazardous waste, call the Waste Alert Hotline at (800) 698-6942.



VEHICLES RETIRED BY THE CONSUMER ASSISTANCE PROGRAM ARE AVAILABLE FOR INSTRUCTIONAL PURPOSES

SCHOOLS WILL NOT BE CHARGED FOR USE OF VEHICLES

- Transportation to the school and back to the dismantler must be arranged by the school at its own cost.
- Vehicles must be returned to the dismantler by May 30, 2022.
 However, they may be returned or exchanged earlier depending on availability.
- Schools must sign a memorandum of understanding with BAR.

INSTRUCTORS CAN USE THESE VEHICLES TO

- Teach mechanical and auto body repair techniques.
- Design troubleshooting activities for students.
- Disassemble systems as needed to demonstrate principles of operation.

STUDENTS CAN GAIN HANDS-ON EXPERIENCE

 Assembling, disassembling, and troubleshooting vehicles as needed to complete assignments.



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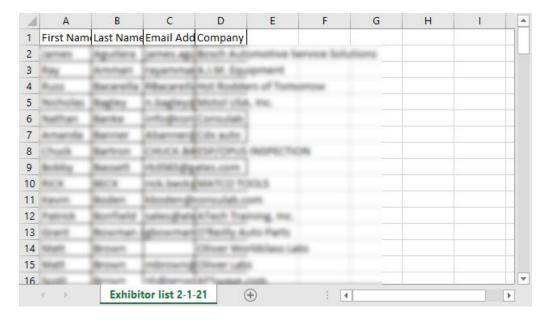


Microsoft Excel Tips By Tom Broxholm

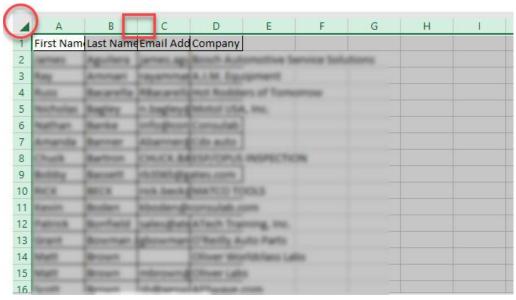
As my Webmaster column in this newsletter, I would like to offer a few small helpful Excel tips that you may not be aware of.

Tip #1 How to resize all columns at once to auto fit the data in each column.

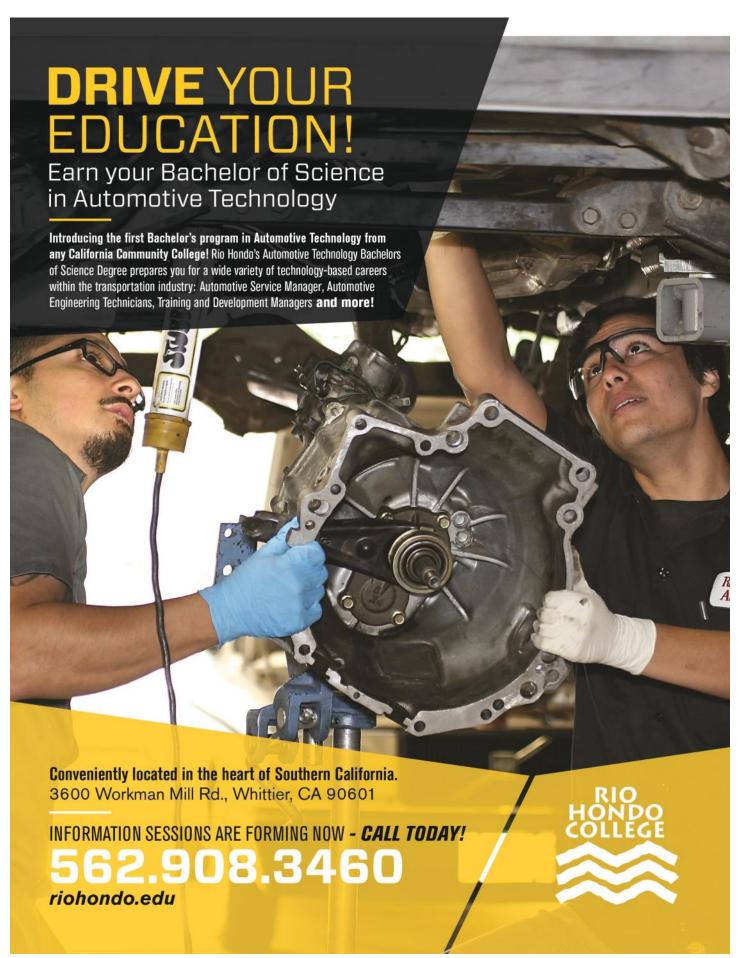
Open the excel file that needs multiple column resizing. It will look something like this.



Single click the area on your sheet where the circle is. Then double click on one of the vertical lines that separates the columns.



Continued on Page 16







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Rare and Unusual Cars

When I was growing up, my dad purchased a 1948 Kaiser Traveler. This was the first hatchback! During that next summer, my parents threw a mattress in the back and my two older sisters and I played and slept in the back, while my parents drove and slept

in the front on our way from the Chicago area to Pikes Peak in Colorado and back. Then in 1953, they purchased a Kaiser Manhattan. I have fond memories of those cars, which I talk about to those willing to listen. In the 1970's, I realized Kaiser made a sports car called the "Darrin" and started searching for one. That culminated in my purchasing one in June 2012. I drove that car for almost three years, then I decided it needed to be restored if I was to keep driving it. Thus started a 5 ½ year restoration pilgrimage that has just recently ended. (read more on Page 13)



The Kaiser Darrin is the First Production Fiberglass Sports car built in the US; it beat the Corvette by 6 months. There is also a Coaster Car called the Kaiser Darrin Jr., which was originally made for promotional give



This is my Highly Customized

1951 Henry J.

The Henry I was Kaiser's economy of

The Henry J was Kaiser's economy car, albeit 20 years too soon.

Phil Jelinek owns three Kaisers:

a 1951 customized Henry J, 1953 Kaiser Traveler Deluxe, and a 1954 Kaiser Darrin.



Rare and Unusual Cars (cont.)

That pilgrimage has brought me in contact with many who share my enjoyment in the story of Henry J. Kaiser/John W. Frazer/Howard "Dutch" Darrin and the automobiles

they created from **1946** - **1955**.

I am a mechanic by trade (20+ yrs.), taught High School Auto Shop for 26 years, and I was on a AA Fuel Funny car team (that's what they were called in the late 70's and it's where I learned how to work with fiberglass) for two years. Call me at 714-270-1943 or email pjmiata@hotmail.com ☐ Phillip Jelinek



Proud-to-be-a-Kaiser-owner

This is my 1953 Kaiser Traveler Deluxe.

The 1953 Kaiser was awarded 8 beauty awards around the world that year.



ASCEF SCHOLARSHIP AND DONATION OPPORTUNITIES



Every year, the Automotive Service Councils Educational Foundation (ASCEF) awards scholarships ranging from \$500 - \$1,000. These scholarships have been instrumental in helping recipients create rewarding careers in automotive technologies.

Accepting scholarship applications August - March.

To be eligible for these scholarships, an applicant must be a:

- California high school senior who plans to enroll in post high school technical and academic training or
- California college under-graduate in the automotive service field.

WE TURN CARS INTO CAREERS

ASCEF is a nonprofit corporation that turns donated cars into education and training, scholarships, and other industry inspired programs for individuals wanting to get into the automotive service field.

To learn more, visit us online at asc-ef.org.

To apply, visit automotivescholarships.com



A Message from the Newsletter Editor!

We always appreciate input from our members and supporting vendors.

I would love to continue the rare cars and first cars features, so send your pictures if you can.

If you have an article, a helpful tip, or just want to share a story in the

newsletter please email me:

Donal Howell donalh@cos.edu







Interactive

Supercharged learning with fun, interactive, and flexible lessons.



Gamified

Leaderboards, badges, and trophies keep students engaged.



Connected

Virtual curriculum with classroom and instructor groups.

- Progress Reports, Online Gradebook, Graded Tests
- LMS Compatible Tests (Blackboard, Canvas, etc.)
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FREE Instructor Access/Demo

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1810 Electricity Trainer

1820 Electronics Trainer

The trainers provide an in-depth, hands-on study of automotive electricity and electronics.

Provides trouble shooting skill development and competency testing.

The internal fault boards offer different computer controlled hard faults.

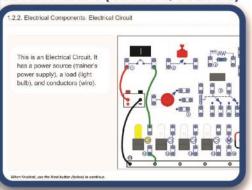
Hands-on and Computer Based Instruction.

Features:

- Automotive electricty/electronics training
- Create Series, Parallel, and Series-Parallel Circuits
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- Classroom Management Program (CMP) Compatible
 Real fixed components

Optional add-ons:

CBI Software (1810SC/1820SC)



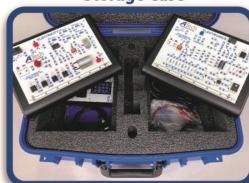
12290 Chandler Drive Walton, Ky 41094

Keypad (1802C)



sales@atechtraining.com atechtraining.com

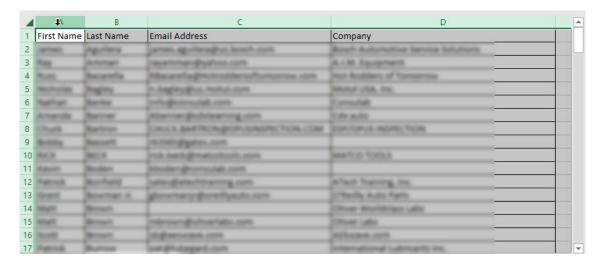
Storage Case





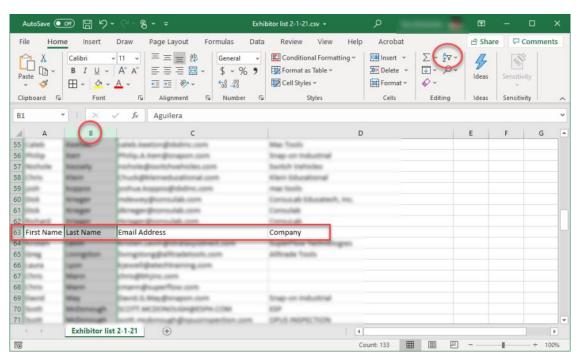
1.888.738.9924

The results will look like this.

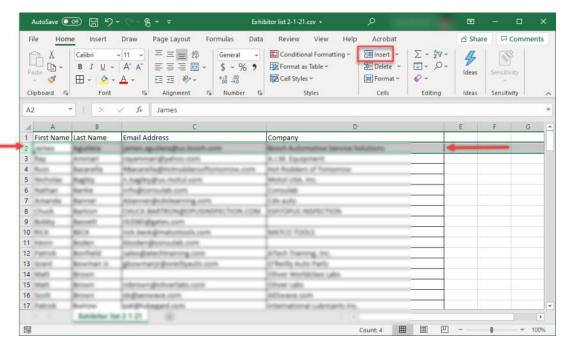


Tip #2 How to A to Z sort your list without moving your title headers.

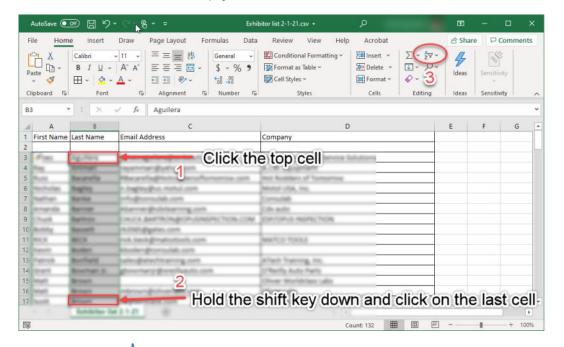
If you select the entire column and click the A-Z filter your header will move to a new location on your sheet.



To work around this, click to the left of the #2 row to highlight the entire row and click the "Insert" button from the menu bar. This adds a blank row under your header.



Click on the first cell information that you want to sort. Then hold your shift key down and click on the last cell in the column to sort. Click on the A to Z sort tool. After the sort has finished, simply delete the blank row.







First Cars! (continued)

Georg Hritz - Mine was a 1962 Chevy II. I paid \$365 for it in 1969. My dad thought it was a good buy because it had a new set of recapped tires.

My wife Letta's first car was a '68 Barracuda with a loud exhaust. Her uncle bought it used for her for senior year of high school in '68. She said all the guys wanted to date her so they could drive her car.



Tom Broxholm - 1962 Mercury Comet given to me by my brother in-law. Brand new set of bias ply tires. My folks thought it was safe because it only had a 6 cylinder with low power so I could not hot rod. I was 16. I can't top Phil.

Armando Hernandez - '67 Camaro 6 cylinder. No tickets until I installed a 350 (Big mistake!) I sold it to buy my first house, but I wish I still had it. I purchased a few '68 Camaros since, but not the same.

Moose Butler - My 1st car, after 2 motorcycles, was a '65 Rambler American with a blown 3-speed transmission. Redid the trans at City College's auto program.

Ruben Parra - 1952 Plymouth Cambridge, bought it from my brother after working all summer at a 76 gas station for \$315—exactly all the money I had in the world!

Had a "new" rebuilt flat head 6, installed it, put in a 12 volt battery and alternator, and drove it around the block,,.no brakes!!

I was 15.

Pete Escoto - Well my first car was an '89 Ford Bronco II. It had a blown head gasket and the customer didn't want to fix it so the shop inherited it. My boss asked me if I wanted it because I would walk to work. I was 19, going to school full time, and helping my mom with bills. I fixed it up and drove it to school (King City to Salinas—about 45 miles) for two years. Lots of good college day memories in that car. ;)

Met my wife when I had that car, but she had an '84 Mustang with a V8. She would race me on our way to school in the mornings. She smoked me every day. She would pass me up with one hand on the steering wheel and one putting on her makeup. She just smiled as she passed me up. She pissed me off so much that I decided to marry her and take her car! LOL



Any idea as to who that skinny 15-year old kid is taking delivery of his first car?

Hint: It was referenced in the last newsletter.

What a great high-school project to have; a ~35 year old car with body damage and worn out parts.

I am sure this has been a familiar sight for many members.



Rare Cars Bonus Edition

Past president Jim Custeau wanted to share some before and after photos of his project car.



He says: "After reading the CAT newsletter and seeing your article, I thought I would share a car project I started on a few years back. It got held up by a couple of Interim CTE Dean assignments in my former district, so it took me roughly 3 years and 25K to get this car completed. I build my own dash, chassis and a 2276 engine with aftermarket case, crank, rods, pistons, heads, exhaust, cam, and intake system (twin 48 IDA Webers). It was a really fun project and it's even more fun to drive – and yes it's very fast but aerodynamically scary above 80 mph! I hope you enjoy reviewing the pictures and yes feel free to share in the next CAT newsletter."

Jim Custeau
Professor Emeritus, Cuyamaca College
Past President, CAT



EXECUTIVE DIRECTOR

George Hritz, Retired george.hritz@sbcglobal.net

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2nd Past President—Donald Schumacher, Resigned 3nd Past President—Donald Schumacher, Resigned

4th Past President—Phil Jelinek, Retired pjelinek@calautoteachers.com



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Alan J. "Moose" Butler Moose daddy@hotmail.com

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NEWSLETTER:

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WEBMASTER:

Tom Broxholm, Skyline College, tom@calautoteachers.com

The CAT Newsletter is always looking for technical articles and advertisements! The deadline for submitting articles and ads is March 25th for the spring issue and October 1st for the fall issue. Articles should be submitted in Word. It is preferred that ads be submitted in JPEG or EPS formats, PDF will work but sometimes the text is distorted once it is placed into the newsletter. The cost and sizes for advertisements can be found on our Website.

California Automotive Teachers was founded in 1966 by these five visionaries:

Orville Page and James Kenley of Reedley College, Norm Gibbs and Mel Edwards of Chabot College, and Bob Barkhouse of Yuba College.

www.calautoteachers.com

CAT Conference Spring 2020 Brought to you online by Cisco WebEx April 24th, 2021

Conference Information:

Register for the Fall

Conference by clicking the

link below.

REGISTRATION