

FEBRUARY 2011



MINNESOTA'S '64 - '87 CHEVELLE AND EL CAMINO CLUB

**President: Stan Shinker
Webmaster: John Delke**

**Vice President: Chris Reid
Treasurer: Bryan Flattem**

BOWTIE BRUNCH

Once again, we had a great time at the annual Bowtie Brunch. For those who have never attended, member Karl Drotning owns Crystal Lake Automotive and opens his shop space up every year to host the Northstar Chevelle, Northstar Camaro, Northstar Nova, and Northstar Impala clubs. Crystal Lake Automotive is a nationally recognized I-CAR Gold Class collision repair facility and a AAA rated Top Shop which is staffed by ASE certified mechanics and collision repair experts and is a preferred collision repair facility for most major insurance companies. This year, Karl was able to persuade master metalworker Eric Elkin to come demonstrate his skills in



dent removal and straightening. Eric brought an assortment of bodywork tools, explained how they have different purposes, and showed how each one can be used. One tool most didn't expect to see was the simple Magnum 44 black marker. He showed how it can be used on bare metal as a guide coat and when a file runs over the surface it will be stripped off to reveal the lower area. It gives a visual indication to go along with the physical feel of the panel. He also explained how to determine angle of impact and how the metal is smooth



on entry, but bunches up on the exit end like a snowplow pushes snow. The way to remove that dent is "first in, last out" whereby you start at the end, relieve the stress on the metal and work it backward. When done, Eric's properly repaired dent will require virtually no filler or glaze, just primer for final finishing and paint. Thanks Eric-we all learned something!



TOOLS OF THE TRADE

Scott Stevenson the Regional Manager for Wizards Products was also in attendance and gave demonstrations on the various items they offer. I hope you get a chance to use those samples that he brought in and try them out for yourself. They offer a wide variety



of products including a paint finishing kit which comes with cutting and polishing materials and pads to detailing kits which include cleaners, sealers and detail sprays. Their products include Vinyl Shine (great as a protectant and dressing-even on seats!), their own Metal Polish (great for tarnish and corrosion and safe for coated wheels),



and the famous Mist-N-Shine which is a professional grade detail spray great for hiding swirls, touch-up cleaning, and brightens your paint. It contains no wax, silicone, or solvents. According to Scott, in the near future you will be able to find Wizards Products a lot more easily as their distribution will be branching out to include major parts stores and retailers.

All of their products can be ordered online at www.WizardsProducts.com

What's the Bowtie Brunch without food and time to socialize? Karl had food catered in and plenty of beverages available. Then there's the swap meet, or sometimes it's better termed a "redistribution of stuff among club members" but it happens every year. Though there weren't more than a dozen



or so swappers, most every component group was represented. I saw a cam, a couple sets of heads, headers, a rear axle, tools, dash pieces, valve covers, suspension bushings, and an almost complete interior, not to mention the El Camino rolling chassis and body Karl had.



One of the high points was the announcement that on **Sunday August 7th**, our Northstar Chevelle Club and the Minnesota Street Machine Association (MSMA) will be hosting **AUTOMANIA**. We have secured a location at Friendly Chevrolet in Fridley which can comfortably hold 300 cars, and we have a tentative agreement with Biff's Bar & Grill to supply the food. We are still looking for headline sponsors, trophy sponsors and vendors, so please contact Bryan if you know of anyone who wants to be part of this great show.



COOL TOOL: Kwik Lift ramp

Need to get your car off the ground, but don't trust jack stands or maybe they scratch the chassis? Kwik Lift has a solution. Their ramps raise the car's resting position 20" off the ground. The 19 inch wide ramps are adjustable for wider chassis vehicles and



support up to 5000 lbs of vehicle weight. You can adjust for 3 different lengths: 13' 3", 14' or 14' 9". Total weight is 540 pounds, but the heaviest individual piece is 110 pounds. It can be taken apart and transported in a pickup truck bed and re-assembles in about 15 minutes. You can drive on and use them as a

ramp, or lift up the ramp's back end to level using a regular floor jack where its supports will hold the car stable. An optional center lift bridge allows you to use a bottle jack to raise up the car from underneath for chassis work. Jack stands can still be used to support the vehicle if a wheel needs to come off. Made in the USA and powder coated for durability, Pricing is approximately \$1500.



PARTS:

We've all been there; you need a part from your local parts store. You get there and one of several things happen: they can't figure out what you need, it takes forever to get help then longer to get the part, they have one—at another store, or you think there's a better price at a competitor. Don't forget that most of the major parts stores have an online parts catalog you can use for free and it will give you a price and availability right from home. AC Delco doesn't have a specific store, but it does have a parts catalog with part numbers and locations of stores that carry AC Delco parts (beyond dealerships). I searched each site looking to price out a headlamp for a 1972 Chevelle, and most had exact part information including pricing. Prices were hard to compare with this since because of different manufacturers, but all were within \$4. Some sites also offered technical information including wattage, interchange info, and dimensions. Most also offered several options. Some let you save a "garage" or vehicle list for later use. Navigation of the site is pretty easy, and you can check multiple locations for availability. Probably the #1 feature is that you know what you're buying and at what price. You can print the screen and bring in the part number for them, making your trip that much faster. While Car Quest does not have a main catalog for the general public, it has several links to their smaller more direct parts catalogs that give more specific product information. Most (including Car Quest) do have a restricted area for service shops that gives full access to their entire parts catalog.



'66 CHEVELLE

It's different inside and out, as you can see.
And this Chevelle's the newest of all: Super Sport 396!

Now for 1966, Chevelle Super Sport is all this: new 325-hp Turbo-Jet V8, special suspension, fully synchronized 3-speed with floor-mounted shifter, special hood and emblems, red stripe tires-packaged as sport coupe or convertible. Or you can order 360 hp in an SS 396.

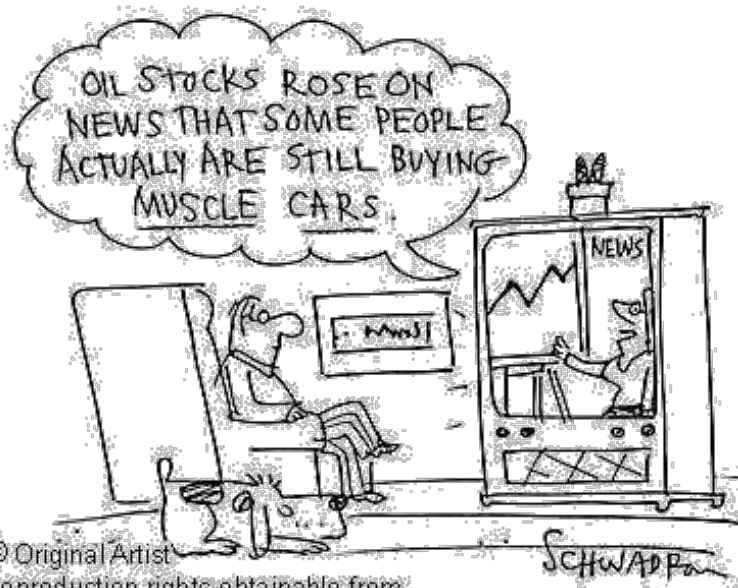
Of course, there's still a Turbo-Fire V8 or a thrifty six for anyone who mostly likes the look and luxury and comfort Chevelle ladies out in

10 other models. New styling, headlights to taillamps. All-new interiors. A jaunty new roof line for the coupes. A handsome new 4-door hardtop: the Malibu Sport Sedan.

What we haven't changed is Chevelle's Full Coil-sprung ride. Its stretchout roominess. Its middle-sized handling ease. You'll see, Chevelle for 1966 goes more beautifully than ever between Chevrolet and Chevy II.



Chevelle Super Sport 396 Coupe with Strato Bucket Seats and console you can order - See lots more. Turn the page . . .



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PAST GM EXERCISE IN ENGINEERING:



At The Heart of It All

When all is said and done, the heart of the matter is under the hood. A GM Performance Parts 502 High Output Gen VI engine with 450 horsepower has been installed in this 1996 Impala SS to demonstrate its excellent driveability, idle and fuel economy. Ask about it.

1998 502 HO Gen VI Engine

Bore/Stroke	4.47/4.00	Gross Power	450 HP @ 5250 RPM
Compression Ratio	8.75:1	Gross Torque	550 Lb-Ft @ 3500 RPM

Technical Features: 1999 502 High Output Gen VI V8 engine assembly (P/N 24502620) containing:

- 4-bolt main block w/ clutch stud boss
- 1053 Forged steel crankshaft
- 7/16-Connecting rods
- Forged aluminum pistons
- 3/8-inch single roller timing chain
- Hydraulic roller camshaft (0.510 /0.540 lift, 211/230 degrees @ 0.050 duration)
- Rectangular port heads w/ 2.19/1.88 valves
- High rise LS6 aluminum inlet manifold

To complete the swap the following components were utilized:

- 52mm throttle body and active plenum
- Fabricated accessory drive brackets
- Shorty 1 7/8 HPC coated headers
- Dual monolith catalytic converters
- Light weight (10LB) PMGR L29 starter
- 4 -Quart oil pan kit (P/N 12495360)

Transmission	1996 GM 4L60E 4-speed overdrive automatic
Driveshaft	Dynotech metal matrix aluminum
Rear Axle	8.5-inch rear axle assembly -Limited slip differential -3.08:1 ring and pinion assembly
Brakes	Front - 12X1 Rear - disc w/internal expanding drum parking brake
Suspension	Boxed and stretched rear control arms
Wheels	Impala aluminum 17X 8.5
Tires	BFG Comp T/A 255/50-17

NEXT MEETING:



*Ellingson Car Museum
20950 Rogers Drive
Rogers, Minnesota 55374
Phone (763) 428-7337*

SATURDAY FEBRUARY 19TH, 1 p.m.

REMEMBER: Northstar Chevelle Club membership runs from 1/1 to 12/31 each year. Your dues help pay for many things like business cards to help expand our membership, it covers the fees for our website and forums, and provides the capital needed to put on a car show.

Membership dues: We had 35 members renew on or before the January Bowtie Brunch. Three of those were former or brand new members, and 3 more renewals came the week after. THANKS EVERYONE! We know there's still a bunch out there that couldn't make it, and we expect our membership to grow again this year.

A lot of members have been asking about the balance of years represented in our club:

1964	1965	1966	1967	1968	1969	1970	1971	1972	73-87	Conv	Wagon	Elky
4	3	5	2	1	6	6	2	13	0	7	2	7

Collectively, we also own another 25 non-Chevilles that fall into the classic/collectable category.