

# WICHITA AREA CHEVELLE OWNERS



[www.chevelles.net/wichita](http://www.chevelles.net/wichita)



## WACO NEWS

7550 N. Greenwich Road • Wichita, KS 67226



May 2007

~ Chevelle Mail ~

VOLUME 21

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### MINUTES OF THE APRIL 4<sup>TH</sup> MEETING

We met at Spangles in Park City for a bite, BS'd for a while, then went outside to take a look at everyone else's ride, what's new, what's different. Then from there we cruised through the Sonic in Park City, and then onto Valley Center to cruise through that Sonic. From that destination it was onto Wild Jack Blacks garage where we commenced to have the meeting.

It is truly a meeting if the beverage of choice was cold beer? You must be a redneck if the choice of beverage is a cold beer.

I stayed out in the testosterone filled garage as long as I could and then sought refuge in the house where Gail, Gladys, Joanne and Leeann were held up watching American Idol.

We had approx. 25 members show up. It was a good get together for the guys to cut loose and bs.

Okay getting back to the meeting part – There was a swap meet April 14<sup>th</sup> & 15<sup>th</sup> that some of the guys were going to in KC Mo.

We also talked about going back to mailing the newsletter out again – a lot of members are missing it, and some members don't have access to a computer with the Internet, or can't print from the Internet.

We also talked about having a packet for new members.

J.R. has his hands full of baby poo and such and can't devote enough time to do both the web and newsletter, so James Wyatt has agreed to take over the newsletter, which will then be sent to Brent to copy and then to Dave to fold, staple and mail out.

Email James with news, tips and ideas to 427malibu@Wyattco.com.

Here's a thought for those of you who didn't think Dan Dreiling had anything big – He now is the proud owner of a new big block engine for his 85 meano camino

April is TJ's month for something to do & see – He has chosen Performance Race Cars – Meet @47<sup>th</sup> Street S & Broadway @6:00 PM then depart from there and cruise South to Hooterville I mean Haysville to Performance 260 Cain Drive. Leave approx. 8:00 and cruise to DQ in Derby.

Mad Waco is just around the dragstrip corner – May 18<sup>th</sup> to be exact – hope everyone is ready for the smell of gas and burning tires also the noise from the cars thundering down the track. Hope to see a lot of members there – Who you gonna call when you want a good time (Mad Waco)?

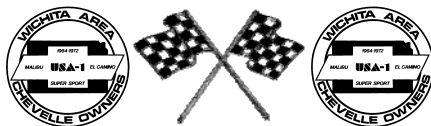
Keep Clubbing

Tammy (Tear Em Up) Stagner

#### NEXT MEETING

Wednesday • May 2<sup>nd</sup> 2007 • 6:30 P.M.

Joe Self Chevrolet • 8801 East Kellogg • Wichita, Kansas



## Harry's Hot Rod Corner

I found this article interested and wished to share it with fellow members. This is part one of a four part series copied from Eckler's LateGreatChevy written by Joe Whitaker. Some very interesting points and facts.

Originally introduced to judge 1955-57 Chevys at early club events, the system has grown to include all 1955-72 passenger cars (including Chevelle, Nova, Corvair, full size, etc. . .), trucks and Corvettes and all Camaros 1967-02. In addition to the 1000 Point Show 'n Shine category, we include a "Cruiser" division, which allows owners to bring and display their cars or trucks and compete for Best Of Show and 10 "Picks", but not go through the stringent judging process. With the input of many Chevy "experts" and members, this system has become what we feel is the best system of its kind anywhere.

How important and credible is our system? Many times when a classic Chevy or Camaro is advertised for sale in Hemmings Motor News or similar classified ads or put up for auction, the owner will state ". . . scored 985 points and a Platinum certificate at CCI. . ." in order to certify the car and drive up the price to potential buyers. More importantly, after having a car judged, owners know how their car stacks up to the competition and what improvements, if any, need to be made to score higher. Some are satisfied to reach Bronze or Silver status while others strive for Gold or Platinum. Once a car achieves Platinum (970+ points out of 1000), it is instantly recognized as one of the finest Chevrolets in the world.

Suppose you've decided to enter your car in one of our events. Upon or before arrival, you will be asked if you wish to show your car in either Cruisers or the 1000 point category. Here's how to decide which category to enter:

**Cruisers:** Not ready to show your car, but still want to come and enjoy the event? This category is for you. No real cleanup or strenuous preparation is needed. You may display the car doors open or closed, hood open or closed. . . anything goes! A "Best Of Show" vehicle is chosen from the Cruiser category for both Chevy and Camaro. In addition, 10 "Picks" are chosen from all entries. These Picks are not necessarily the best cars in the group, but are often the most unique. Cars in progress and primer are just as likely to win as a shiny showpiece! The Best Of Show and Picks awards are presented along with the Show 'n Shine trophies on awards day. Cruiser winners appear in the magazine coverage along with Show 'n Shine winners.

**1000 Point Show 'n Shine:** This category is for car owners who wish to see how their car really stacks up against a 1000 point judging sheet. A fair amount of preparation is required to do well in Show 'n Shine because you are subjecting your car to perhaps 30-40 minutes of scrutiny by a panel of three participant judges.

Part 1 of 4. Read next months issue for part 2

## WEB MASTER'S NOTES

\*\* If you want your wheels on the WACO Member's Web Site please send me pictures and a brief message about you and your Malibu, Chevelle, El Camino. Also, If your link is old and you want it updated send me what you want posted and some new pictures \*\*

JR Dehner  
ss396elky@cox.net



## EDITOR'S NOTES

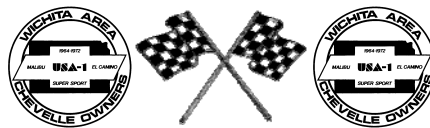
We have a new editor for the WACO NEWS. Thank you to the past newsletter editors and all of you that have contributed to make our newsletter a great success. I know that I will be filling very large shoes and hope to make our club proud. Let me introduce myself to those who may not know me. My name is James Wyatt. I am a Wichita native and a car enthusiast ever since I can remember. GM is always been my favorite automobile maker and Chevelle my favorite model. Of all of the model years, my personal favorites are the 66/67. I currently own few 67 Malibu and a 66 Deluxe 300.

Please help me make our newsletter a success. I am not above being corrected/criticized over my misuse of the English language or how correct the content may be. Any suggestion or comments are appreciated and encouraged. You can call me direct at 316-641-1806 or email [427Malibu@wyattco.com](mailto:427Malibu@wyattco.com).

If you are interested in contributing to the newsletter with a personal story, tech article, club suggestion, car update, car show info or whatever else you can think of please feel free to add. This is our newsletter and your voice is heard here.

If you would you do not have access to a digital camera and would like your car added to the WACO Web Site and/or featured in this newsletter contact me and I will assist you.

James Wyatt  
[427malibu@wyattco.com](mailto:427malibu@wyattco.com)  
316-641-1806



## JR'S HELPFUL HINTS

WD-40 - I received this via email from a friend and thought it was a good topic for us car guys. I added 43 - the washing machine use because it works...  
Enjoy...  
JR

Who Knew...?

I had a neighbor who had bought a new pickup. I got up very early one Sunday morning and saw that someone had spray painted red all around the sides of this beige truck (for some unknown reason). I went over, woke him up, and told him the bad news. He was very upset and was trying to figure out what to do probably nothing until Monday morning, since nothing was open. Another neighbor came out and told him to get his WD-40 and clean it off. It removed the unwanted paint beautifully and did not harm his paint job that was on the truck. I'm impressed! WD-40 who knew?

Water Displacement #40. The product began from a search for a rust preventative solvent and degreaser to protect missile parts. WD-40 was created in 1953 by three technicians at the San Diego Rocket Chemical Company. Its name comes from the project that was to find a "water displacement" compound. They were successful with the fortieth formulation, thus WD-40. The Corvair Company bought it in bulk to protect their atlas missile parts.

Ken East (one of the original founders) says there is nothing in WD-40 that would hurt you. When you read the "shower door" part, try it. It's the first thing that has ever cleaned that spotty shower door. If yours is plastic, it works just as well as glass. It's a miracle! Then try it on your stovetop... Voila! It's now shinier than it's ever been. you'll be amazed.

List begins on next page ->

## WD-40

Here are just some of the uses:

- 1) Protects silver from tarnishing.
- 2) Removes road tar and grime from cars.
- 3) Cleans and lubricates guitar strings.
- 4) Gives floors that 'just-waxed' sheen without making it slippery.
- 5) Keeps flies off cows.
- 6) Restores and cleans chalkboards.
- 7) Removes lipstick stains.
- 8) Loosens stubborn zippers.
- 9) Untangles jewelry chains.
- 10) Removes stains from stainless steel sinks.
- 11) Removes dirt and grime from the barbecue grill.
- 12) Keeps ceramic/terra cotta garden pots from oxidizing.
- 13) Removes tomato stains from clothing.
- 14) Keeps glass shower doors free of water spots.
- 15) Camouflages scratches in ceramic and marble floors.
- 16) Keeps scissors working smoothly.
- 17) Lubricates noisy door hinges on vehicles and doors in homes
- 18) It removes black scuff marks from the kitchen floor! Use WD-40 for those nasty tar and scuff marks on flooring. It doesn't seem to harm the finish and you won't have to scrub nearly as hard to remove them. Just remember to open some windows if you have a lot of marks.
- 19) Bug guts will eat away the finish on your car if not removed quickly! Use WD-40!
- 20) Gives children's play gym slide a shine for a super fast slide.
- 21) Lubricates gear shift and mower deck lever for ease of handling on riding mowers.
- 22) Rids kids rocking chairs and swings of squeaky noises.
- 23) Lubricates tracks in sticking home windows and makes them easier to open.
- 24) Spraying an umbrella stem makes it easier to open and close.
- 25) Restores and cleans padded leather dashboards in vehicles, as well as vinyl bumpers.
- 26) Restores and cleans roof racks on vehicles.
- 27) Lubricates and stops squeaks in electric fans.
- 28) Lubricates wheel sprockets on tricycles, wagons, and bicycles for easy handling.
- 29) Lubricates fan belts on washers and dryers and keeps them running smoothly.
- 30) Keeps rust from forming on saws and saw blades, and other tools.
- 31) Removes splattered grease on stove.
- 32) Keeps bathroom mirror from fogging.
- 33) Lubricates prosthetic limbs.
- 34) Keeps pigeons off the balcony (they hate the smell).
- 35) Removes all traces of duct tape.
- 36) Folks even spray it on their arms, hands, and knees to relieve arthritis pain.
- 37) Florida's favorite use is: "cleans and removes love bugs from grills and bumpers."
- 38) The favorite use in the state of New York: WD-40 protects the Statue of Liberty from the elements.
- 39) WD-40 attracts fish. Spray a LITTLE on live bait or lures and you will be catching the big one in no time. Also, it's a lot cheaper than the chemical attractants that are made for just that purpose.
- 40) Use it for fire ant bites. It takes the sting away immediately and stops the itch.
- 41) WD-40 is great for removing crayon from walls. Spray on the mark and wipe with a clean rag.
- 42) Also, if you've discovered that your teenage daughter has washed and dried a tube of lipstick with a load of laundry, saturate the lipstick spots with WD-40 and re-wash. Presto! Lipstick is gone!
- 43) WD-40 along with cleaning Lipstick out of your washing machine, it will work on the mess after washing your dirty greasy grimy shop rags. It will remove the greasy ring mess left around the inside of your washing machine tub.
- 44) If you sprayed WD-40 on the distributor cap, it would displace the moisture and allow the car to start. (I take a can with me when I wash the engine compartment at the carwash).

The basic ingredient is FISH OIL

I keep a can of WD-40 in my kitchen cabinet over the stove. It is good for oven burns or any other type of burn. It takes the burned feeling away and heals with NO scarring.

(Author Unknown)



## TJ'S TECHNICAL TIPS

### Basic Rearend Tech

#### Difference between a "10 bolt" and "12 bolt"



As far as Chevelle rearends are concerned, a 10 bolt rearend has 10 bolts on the differential cover and also on the carrier/ring gear. A 12 bolt, similarly, has 12 bolts on the differential cover and the carrier/ring gear. There are some instances in the B.O.P. (Buick/Olds/Pontiac) and Cadillac world where the number of cover bolts does not match the ring gear bolt count, but since this isn't the Wichita Area Chevelle/Buick/Olds/Pontiac/Cadillac Owners Club, I won't get in to them! In the realm of 64-72 Chevilles, the 10 bolt ring gear measures 8.2" and the 12 bolt ring gear measures 8.875 (8 7/8"). The added diameter allows for the added number of bolts and other areas of optimization. In stock form, 10 bolt rears have 28 spline axles and 12 bolts have 30 spline axles.

Figure 1 – 12 bolt center section

### The generation gap



Figure 2 – Early spring perch

There are several things that changed year to year. The item of highest importance is width. The older generation (64-67) measure 53 1/4" from backing plate to backing plate or 60.0" from drum face to drum face. The newer generation (68-72) are typically acknowledged as 1 1/2" wider (i.e. 3/4" wider each direction). The other major change is the spring pad on the housing. 1964-1966 had a flat pad on the housing and a plate that bolts/clamps the spring in place (see figure 2). In 1967, GM went to a nipple that locates the spring on the housing end (see figure 3). Since there is no actual retaining device holding your spring to the housing, the only thing that keeps the springs in the car is the fact that the shocks at full extension are still shorter than the free length of your springs. Note that the 1967 housing is one year only since it is narrow like the older housings, but had springs perches like the newer housing.



Figure 3 – Late spring perch

The other notable change in housing configurations is the diameter of the upper bushing. 1964 had a smaller diameter upper bushing in the housing, measuring approximately 1 3/8" where the 1965+ housings had ~ 1 3/4" upper bushings. There is some information out there about the location of the upper bushings, the 1968 + housings had their bushing about 3/8" forward in the housing compared to the older castings. Also note that 1968+ upper control arms are 2.5" shorter than the 64-67 units, but the major contribution to this is frame reconfiguration.



## Gears and carriers

There are three different “series” of carriers for Chevelle rearends. The difference in carrier from series to series is simply the location of the ring gear mounting flange. If you measure from the ring gear mounting face back to the end of the closer bearing pilot, a 3-series is about 1.800” and the 4 series is about 2.175” (per “BigGearHead” on Chevelles.com). I would assume the 2-series flange would be another 3/8” offset from the 3-series. It is generally known that the following gear ranges apply to the applicable series carriers, however aftermarket gear manufacturers now make gear sets that accommodate the differences from series to series carriers:



Figure 4 – Carrier casting number

### **12-bolt**

| <u>Gear ratio</u>           | <u>Carrier Series</u> |
|-----------------------------|-----------------------|
| <u>Casting number</u>       |                       |
| 2.73 and numerically lower  | 2                     |
| ED-32088                    |                       |
| 3.07 – 3.73                 | 3                     |
| EDB-30140                   |                       |
| 3.90 and numerically higher | 4                     |
| EDB-30174                   |                       |

### **8.2” 10-bolt**

| <u>Gear ratio</u>           | <u>Carrier Series</u> |
|-----------------------------|-----------------------|
| <u>Casting number</u>       |                       |
| 2.73 and numerically lower  | 2                     |
| EDB-32118                   |                       |
| 3.07 – 3.73                 | 3                     |
| EDB-30116                   |                       |
| 3.90 and numerically higher | 4                     |

Casting number is the end away from the ring gear mounting flange, see figure 4 to the left.

## Housing ID

The “quick reference” stuff is described above. Counting the cover bolts and looking at the spring perches can generally get you in the ball park. An even quicker way for to distinguish 10 and 12 bolt housings is if there is just a single bolt at 6 o’clock or 12 o’clock then it’s a 10 bolt. If there are evenly “low” or “high” pair of bolts at 6 or 12 o’clock respectively, then it’s a 12 bolt (refer to figure 1 for 12-bolt example).

You can dig a little deeper by looking at the date code, which is cast on the rear lower driver’s side corner of the center section. The first digit is the Month, but is a letter. So A for January, B for Feb, and so on. The center digit(s) is the day of the month it was cast. The last single digit is the year. In the example below, the date code is K 21 6. So it’s a November (11<sup>th</sup> month = K), 21<sup>st</sup> day of November, 1966 casting. Being that it is this late of a housing, it is actually a 1967 model year piece.

Housing part number – On the driver’s side, forward/lower corner of the housing, the part number is cast into the center section. The following part numbers are for the listed years:

### **12-bolt**

| <u>Part number</u> | <u>Year</u>        |
|--------------------|--------------------|
| 3859140            | 1965               |
| 3875745            | 1966               |
| 3894939            | 1967               |
| 3917124            | late 67 – early 69 |
| 3959038            | 1969               |
| 3969278            | 1970-72            |

### **10-bolt**

|         |         |
|---------|---------|
| 3839390 | 1964    |
| 3959139 | 1965    |
| 3875744 | 1966    |
| 3894938 | 1967    |
| 3917123 | 1968    |
| 3859037 | 1969    |
| 3969277 | 1970-72 |



Figure 5 – Date casting



Some listings will include that N (sometimes NF) after the ID numbers, these simply mean that it is a nodular iron casting, just like the ford 9" center-sections with the big N.

What's Inside without opening it up?

On the bottom edge of the passenger axle tube there is a series of numbers and letters. These tell you quite a bit about what originally came in your housing. The first two or three letters tell you the gear ratio and whether it was posi or non posi from the factory. The example rearend in the photo below (sorry, not a very good picture) says CW 1129 B.

Figure 6 – Housing part number

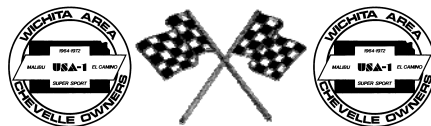


Since we've determined it's a 1967 housing, we can go to the year specific listing for rearend codes on [www.chevelles.com/years/67/67rearcodes](http://www.chevelles.com/years/67/67rearcodes) (lower left corner of Chevelles.com home page) to find that the CW means this housing originally contained a single track carrier and 3.31 gears. I was delighted when I spun one axle and the other turned the same direction indicating that it is a posi. The dates on the carrier indicate that it was '67 original equipment, so it's important to acknowledge that there are things misrepresented on the internet AND/OR that a lot of things came from the factory that weren't necessarily by-the-book. The "11 29" means that the rearend was assembled on the 29<sup>th</sup> day of the 11<sup>th</sup> month that year, and the "B" means it was assembled in the Buffalo NY plant.

Figure 7 – axle stampings

There's a bunch more to rearends than I've captured here, but I figured since I was recently on a rearend adventure that I would scratch some notes out on what I had found and share it with you all.

TJ



## FOR SALE & WANTED

Hello, I wanted to ask if anybody knew of a Chevelle for sale that doesn't cost an arm and a leg. I'm stationed here at McConnell with the Air Force and I'm looking for a car to tinker with on the weekends and get into show condition. Any help is appreciated.

Gary Email is karo1039@gmail.com

WTB – 66 CHEVELLE PARTS. FRONT FENDERS 66 ONLY / BENCH SEAT FROM 66/67. AUTOMATIC OR MANUAL STEERING COLUMN FROM 66/67. MANUAL STEERING BOX . RADIO FROM 66/67 . BUCKET SEATS FROM 66/67. CONSOLE 66/67. ANY PARTS 66/67 ?? CALL JAMES WYATT 316-641-1806 or [427Malibu@wyattco.com](mailto:427Malibu@wyattco.com) .

81 Malibu wagon, small v-8 , automatic a-c, centerline type wheels, c-d player, tweed interior, not rusty, runs excellent 1500.00

65 Chevy Biscayne 2dr. sedan was 6-cyl., 3speed. major project 500.00

65 chevelle 2dr. station wagon, major project, has a bumper to bumper Chris Alston chassi-works frame under it, fab-9 rear end, chrome 4-link, Koni coil-over front and rear, Alston rear sway bar, chrome a-arm front suspension, full cage, will sit very low when completed. 3500.00, way more than that invested in it. Very rare car. This is a major project that needs lots of work.

80 El Camino, has rebuilt 87 350 tbi engine and 700r4 trans sitting in it, needs installation finished, does not run, headers, Edelbrock intake and Edelbrock carb, jeds double hump cross member for dual exhaust, weld pro-stars all around, not rusty, has hail damage, needs paint, white, maroon interior, 82-87 header panel 1500.00

85 Monte Carlo body shell and suspension

80 El Camino all power options, tach and gauges, no motor or trans, very rusty

68-72 el Camino frame, usable with power disc brakes

I would be interested in a 62-67 Chevy II 2dr or wagon in trade, or trade for labor on putting my 65 chevelle wagon together.

Looking for a small utility type trailer to haul riding mower.

Wanting to move is reason cars are for sale.

Tommy Lee

316-641-7962 cell phone

Haysville

To place an ad in this space is free. Call 316-641-1806 or email [427Malibu@wyattco.com](mailto:427Malibu@wyattco.com) with what you have for sale or what you may need. Item does not need to be Chevelle related. Deadline for the next newsletter is 10 days before next scheduled club meeting.

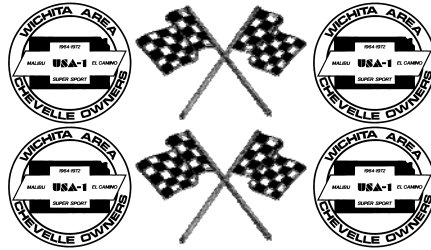
## CAR SHOWS AND EVENTS

- -- ROCKO CAR & Motorcycle Show and Poker Run - 13th & Webb, Wichita - For Info Call Tammy @ 676-7057
- -- Free Car Show - Maplewood Wine & Spirits/Kanza Bank - 13605 W. Maple - For Info Call Larry @ 682-3013
- -- Big's 6th Annual Car & Truck Show - 7011 W. Central (at Ridge) - For Info Call Larry @ 942-3131
- April 29th - WSU Car Show on the campus - For Info <http://webs.wichita.edu/carshow/>
- July 4th - Father's Day show at the Zoo - The car show that benefits the ARC - Contact Kent Owens [kent@wmhurst.com](mailto:kent@wmhurst.com)
- These and other car shows in Wichita can be found in the CARS Calendar of Events - Cruzin '07...

**May 19<sup>th</sup> MAD/WACO Car Show & Drag Race at Mid-America Dragway and Racing Complex**

IF YOU WOULD LIKE TO ADD ANY CAR SHOWS OR EVENTS TO THIS LIST, PLEASE EMAIL THE INFORMATION TO [427malibu@wyattco.com](mailto:427malibu@wyattco.com)

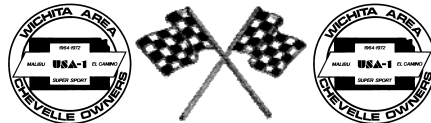




## NEW WACO SPONSORS

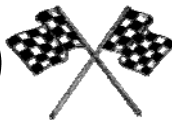
<http://www.oreillyauto.com> <http://www.midamericadragway.net> <http://www.chevelles.net/wichita/>

**Dupli-Color**



## NEWSLETTER DEADLINES

The deadline for the newsletter articles and or ads is 10 Days before the next regular club meeting. If you don't have your article turned in by that date, it may not be in the next newsletter. This will give me enough time to put the newsletter together, print it and mail it on time. **NOTE** – When you want to advertise something in the newsletter and you email us the information, please include your full name and phone number with area code. This will make it much easier for our readers to contact you about your item!



# Wichita Area Chevelle Owners WACO NEWS



## *Chevelle Mail*



W.A.C.O.  
7550 N. GREENWICH  
WICHITA KS 67226-8253



**Happy Motoring WACO**  
**Next Meeting May2nd**

*Read More in the Issue of the WACO NEWS*

