

M.S.R.A

MONTANA STREET ROD ASSOCIATION • 39TH YEAR

NEWSLETTER

WWW.MONTANASRA.ORG

AUGUST, 2013

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Tony Patrick - Western MT Rep

MONTANA SAFETY REP

Tommy Taylor

PREZ SEZ...

Fellow MSRA members and friends,

The summer rod run season is in its last stages. A few more shows to attend before winding things down. Burn the Point is a good show and our upcoming meeting is in Billings the same weekend. I hope you can join us there for both events.

We are still awaiting word from the IRS on our application for 501(c)(3) status. It seems that they are way behind reviewing applications. For now, we must wait until we hear from them.

MSRA officer elections are coming up in February. Nominations for officer candidates will be made at the upcoming meeting. I have had fun as an officer and hope that you will consider taking on one of the officer positions.

As always, please share your thoughts and ideas with us about MSRA.

See you on the road!

Steve Sorg

**THE NEXT MEETING WILL BE HELD DURING THE
BURN THE POINT SHOW WEEKEND AT:**

Fuddrucker's Restaurant
875 Main Street, Billings, MT 59105
Friday, August 30, 2013 • 5:00 pm

NEW MEMBERS & IDEAS WELCOME

Steve Sorg called the meeting to order at the Highlands College, Butte, at 1:45 p.m.

There were 12 guests in attendance.

There were 16 members in attendance.

Minutes were presented in the Newsletter so we dispensed with the reading of the February 2, 2013 meeting minutes. Bob Stredwick made a motion to accept the minutes as presented in the newsletter. Jimm Kilmer seconded the motion. Motion passed.

Treasurer's report by Elizabeth Scholl. As of May 11, 2013 there are 52 members, 30 business sponsors, and 9 car clubs in MSRA. Three Forks Motor Supply is a new business sponsor. Tony Patrick made a motion to accept the treasurer's report. Bob Basso seconded the motion. Motion passed.

Steve Sorg asked for a motion to pay the bills. A motion was made and seconded to include the payment of bills that come in before the next meeting. Motion passed.

Old Business

Elizabeth Scholl spoke about the swag program and listed the merchandise available for sale, including can koozies. Once the IRS grants us 5019(c)(3) status additional items will be added to help increase funds available for our scholarship program.

Steve Sorg reported that the MSRA application for 501(c)(3) status should be coming along any time according to the time table sent to us by the IRS.

Steve Sorg reported that HB 270 passed the

Montana Legislature providing for a single tag of year of manufacture of vehicle for years 1948, 1949, and 1950. Those were years when only single tags were issued.

There was discussion about having a special 40th anniversary MSRA cruise during the summer of 2014. Jimm Kilmer questioned whether MSRA was founded in 1973 or 1974. The MSRA founding date will be looked up and confirmed. Ideas for the cruise included, going to Speedway Motors in Lincoln, NE and touring the museum. Attending the Back to the 50's in St. Paul, MN and attending the NSRA nationals in Louisville, KY were proposed as was going to the GoodGuys, Loveland, CO show and then south to Pike's Peak. Any additional ideas are welcome.

New Business

Steve Sorg reported that elections of MSRA officers will take place in February 2014 with nominations to be accepted at the Fall meeting. Members need to begin thinking about who we would like to have as our next officers.

Steve Sorg asked whether we need to establish a list of skills needed for each of the offices, such as word processing, spreadsheets, etc. No comments were made from the floor.

Steve Sorg asked if the Board of Directors members and MSRA clubs members in attendance had anything for the good of the order. Tony Patrick (NSRA) gave the NSRA Rep Award to Jimm Kilmer. Jimm is NSRA member number 0158.

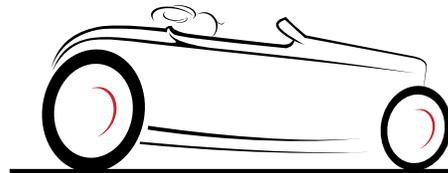
Pioneer Street Rodders said their show is Aug. 24-25 in Butte. Roger Mudd announced that the Helena Valley Timing Association Blast from

CONTINUED

the Past show will be June 28-29. MSRA cars will transport members of the Daughters of the American Revolution in the Bozeman Memorial Day Parade.

A motion was made, seconded, and passed to hold the next meeting of the MSRA in conjunction with the Burn the Point show in Billings on the last weekend in August. Specific location, date and time will be announced on the MSRA website.

A motion was made by Dwight Wade and seconded by Kelly Tribble to adjourn the meeting. Meeting was adjourned at 3:00 p.m.



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Email: gitgo@bresnan.net

1. Thanks to the Highland College of Montana Tech for providing meeting space for our meeting today.
2. Membership update as of 5/10/13
 - o Individuals and Family renewals, 52 (At this time last year we had 64 renewals and by the end of the year we had 66 individual and family memberships). Following is a list of individual and family members who belonged last year but did not renew this year. If anyone knows any of these people, please give them a call and see why they did not renew.
 - James Alley
 - Bruce and Shari Allison
 - Bruce Austin
 - Eddie Bargar
 - Rick Bice
 - Tom and JoAnn Booth
 - Mark and Helen Byers
 - Mike and Kathy Dean
 - Barry and Sharon Farve
 - Dick and Nancy Solum
 - Bill Spurzem
 - Terry Thomas
 - Paul and Linda Villwock
 - Mo Volkman
 - o Business Sponsorships, 30 (At this time last year we had 28 renewals and by the end of the year we had 37 business sponsorships). This includes one new sponsor, Three Forks Motor Supply, Inc.
 - o Car Clubs, 9 (At this time last year we had 7 renewals and by the end of the year we had 7 car club members).
3. The scholarship merchandise program is still on idle until the IRS approves our 501 (c) (3) application. As we announced at the last meeting, when that is complete we will shift the program into high gear. We do have a few remaining can Koozies for sale from our initial test program. Contact any officer for purchase. They will also be available at the May meeting and throughout the rest of the year. The price is \$4.00 per Koozie. The net amount of the sale of each Koozie (\$1.70) will go to our scholarship fund. The remainder will go to purchase replacement Koozies for continued sales. After IRS approval, we will expand the merchandise selection to include more items such as caps and t-shirts. These will provide larger net amounts per item for the scholarship fund and program growth. Again, our goal in this program is to create a sustainable way to annually fund at least a \$500 scholarship to each of the six Montana tech schools that offer automotive or related programs.
4. MSRA patches and drag plates
We still have MSRA patches and drag plates available. They can be purchased at the May meeting or by calling me.
5. The Income and Expense Statements for year-to-date 2013 are available at the May meeting for anyone wanting to review them. We are running well into the black with our increased dues for this year, but are still able to sustainably provide only two \$500 scholarships.

Elizabeth Scholl, Treasurer
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SOME FACTS TO KNOW

If you yelled for 8 years, 7 months and 6 days you would have produced enough sound energy to heat one cup of coffee. (Hardly seems worth it.)

If you farted consistently for 6 years and 9 months, enough gas is produced to create the energy of an atomic bomb. (Now that's more like it!)

The human heart creates enough pressure when it pumps out to the body to squirt blood 30 feet (O.M.G.!).

A pig's orgasm lasts 30 minutes. (In my next life, I want to be a pig.)

A cockroach will live nine days without its head before it starves to death. (Creepy.) (I'm still not over the pig.)

Banging your head against a wall uses 150 calories an hour. (Don't try this at home ; maybe at work.)

The male praying mantis cannot copulate while its head is attached to its body. The female initiates sex by ripping the male's head off.. (Honey, I'm home . What the...?)

The flea can jump 350 times its body length. It's like a human jumping the length of a football field. (30 minutes. Lucky pig! Can you imagine?)

The catfish has over 27,000 taste buds. (What could be so tasty on the bottom of a pond?)

Some lions mate over 50 times a day. (I still want to be a pig in my next life...quality over quantity.)

Butterflies taste with their feet. (Something I always wanted to know.)

The strongest muscle in the body is the tongue. (Hmmmmmm.....) Husbands know this already!

Right-handed people live, on average, nine years longer than left-handed people. (If you're ambidextrous, do you split the difference?)

Elephants are the only animals that cannot jump. (Okay, so that would be a good thing.)

A cat's urine glows under a black light. (I wonder how much the government paid to figure that out.)

An ostrich's eye is bigger than its brain. (I know some people like that.)

Starfish have no brains. (I know some people like that, too.)

Polar bears are left-handed. (If they switch, they'll live a lot longer.)

Humans and dolphins are the only species that have sex for pleasure. (What about that pig? Do the dolphins know about the pig?)

Now that you've smiled at least once, it's your turn to spread these crazy facts and send this to someone you want to bring a smile to, maybe even a chuckle..

Simply Designed

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What Type of Problem Do You Get From a Bad Catalytic Converter?

The catalytic converter in your car serves as a kind of an afterburner, using heat and special chemicals inside a metal case to burn off harmful exhaust gases before they exit the tailpipe. The underlying problems associated with catalytic failure stem from other components and systems that do function properly. Catalytic converter problems will show up in various ways, and the car driver or owner should be aware of any precursor signs before irreversible converter failure.

Basic Catalytic Converter Construction and Design:

Basic catalytic converters consist of an outer steel casing filled with a substrate of chemical materials. Two types of chemical materials exist: BB-sized ceramic pellets and monolithic honeycomb plates. The coating on the pellets or plates consists of precious metals such as palladium, platinum and rhodium. The front or header side compartment holds the reduction catalyst, while the rear compartment houses the oxidizing catalyst. The converter sits just behind the main header pipe, which exits the exhaust manifold. It is typically welded or clamp-bolted on the header pipe.

Oxidizing, Two-Way Catalytic Converter Function:

Oxidizing, or two-way, converters are more simple in chemical design than three-way converters and minimize hydrocarbon and carbon monoxide pollutants. Oxygen, carbon monoxide and hydrocarbons enter into the converter, interacting with the substrate materials, which causes accelerated oxidation or a flameless burning. The increased oxidation renders the harmful emissions dead or chemically neutral, and they exit the exhaust as harmless carbon dioxide and water vapor.

Three-Way Catalytic Converter Function:

The three-way catalytic converters functions similarly to the oxidizing converter, but it additionally reduce levels of oxides of nitrogen. For this purpose, these converters often have air injection tubes driven by air pumps, that accelerates the chemical transformation of the oxidation catalyst.

Overheated Appearance:

The chemical substrate inside the catalytic converter can melt, super-heated by an overly rich air-fuel condition, spark plug miss or other ignition malfunction. Generally converters that have a 200 degree F difference or more between the inlet and the outlet side of the converter at normal cruising speed show indications of interior overheating and can visibly turn the outside shell casing black, with a rainbow-colored hue. An infrared pyrometer or contact temperature probe is used to determine if the converter is working too hard to expel excessive heat.

Clogging:

When the substrate within the converter melts either the platinum-palladium coating or the aluminum oxide honeycomb material, it forms an impenetrable slag, which blocks off the exhaust flow, clogging the passages. This creates a severe back pressure that affects engine performance. A clogged converter can cause rough idle, engine hesitation upon acceleration, weakened power, hard-starting and, in some

cases, a no-start condition. Faulty components that cause overly rich fuel-air mixture, like cracked distributor caps, faulty EGR valves, incorrect timing or dirty fuel injectors can all cause melting. This symptom can be diagnosed by using a vacuum gauge on the intake manifold, or an exhaust back-pressure gauge before and after the converter.

Fouling:

Fouling results inside the catalytic converter when excess unburned fuel is present. The core temperature of the converter case does not have to reach excessive temperature, such as a meltdown of the substrate, but higher than normal temperatures will result, as well as some increased back pressure. When the substrate chemicals are diluted, raw gas frequently exits the exhaust pipe in a black cloud. The substrate can actually become wet, or fuel-fouled. Gas mileage suffers, as well as acceleration and overall power.

Odors:

Burned catalytic converters frequently give off a hot-metal smell, accompanied by the odor of burnt rotten eggs, which result from burning substrate and overheated metal. Some air pump rubber lines can melt, giving off a burnt rubber smell, as well as any fiber gasket or plastic component. Oxygen sensor wires can give off an acrid smell because of the burnt insulation.

Remedies:

For a catalytic converter to do its job properly, the ignition and fuel systems must perform to manufacturer's specification. This includes a properly tuned engine, with no misfires from ignition parts failures and improper adjustments to the timing and the primary and secondary ignition system. This checklist includes points, plugs, condenser, or distributorless ignition, coil, spark plugs, plug wires and all relative ECM sensors. The fuel system must have the proper pressure and adjustment on carburetor or fuel injected systems, where the air-fuel mixture is neither too lean nor too rich. A properly tuned and timed engine will not damage the normal operation of a catalytic converter.

Fault Codes:

Fault codes can appear on the dash that indicate a "Check Engine" or "Emission Control" problem. A scanner tool can record and reference a letter and number code, specifically outlining the affected part. For instance, a scanner that reads a code from P0420 to P0423 will indicate a catalytic converter that is not operating at peak efficiency. The converter may not be clogged with such a code, but it will show temperature and pressure differences at the inlet and outlet sides.

Warranty:

Check the warranty on your catalytic converter if you have a newer vehicle. Find out what parts come under coverage, along with the time period and-or mileage. Fill out the registration form and send it in. A catalytic converter warranty does not negate you from keeping your vehicle properly tuned to manufacturer's specifications. The time to catch a failing converter is during the very early stages, based on what part is causing the early failure mode signs.



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ARE YOU REALLY COVERED? - COMPREHENSIVE VS. COLLISION

A major collector was invited to bring two of his Grand Classics from New England to a Concours in Florida; and, in preparation for the trip, the car owner contacted his insurance company to confirm that he was fully covered while transporting his vehicles down the East Coast in a trailer. The insurance agency assured him that he was covered.

Along his journey, about half way down the coast, the straps that held down the vehicle closest to the door broke. The driver did not hear the car collide into the trailer wall, nor did he hear the car proceed to crash into the other car. The unfastened car rolled back and forth between the wall and the other vehicle until the straps on the other car broke, as well. The two vehicles proceeded to crash into each other and the walls of the trailer for some time.

When the owner discovered the mangled mess in the trailer, knowing that he was covered was his only comfort. But, this story has a horrific twist – this car collector learned that he was NOT covered by his insurance company. Even though he had been assured by the insurance agency that he was covered while using a trailer to transport the cars, the agent that took his call never looked at the policy that showed he was covered for Comprehensive only. The loss was devastating and demoralizing. Years later, this collector's old insurance company was found negligent for not defining Collision. For reasons like this, Grundy always urges applicants to carry full coverage including both Comprehensive and Collision.

What is Collision?

Physical damage coverage on auto insurance policies is your “Comp and Collision” coverage. The purpose of this protection is to make sure that if your car is damaged, it is restored to its pre-loss condition – no better and no worse. Collision is defined by our underwriters as “an upset of your covered auto or the impact with any other object, including another auto. In other words, your policy covers damage to your car when your car hits or is hit by another vehicle or object. You do not have to be driving, nor does the engine even need to be turned on, for an incident to fall under the definition of your Collision insurance.

Some scenarios in which damage would be deemed Collision:

You back up into a closed garage door or your car just rolls into it.

A vehicle slides on ice and into your car, denting the side of the vehicle.

A person (not a vehicle) slides on ice and into your car, denting the side of the vehicle.

Another car rolls into your car, while it is unattended at a car show.

Your car is parked and is hit by another car.

An object, like a shopping cart, is blown by the wind into the side of your car, causing damage.

You hit your collector car with your every day driver.

You run over a bike or other debris that falls off the back of a car or truck in front of you on the highway.

What is Comprehensive?

Comprehensive insurance covers your car for losses resulting from incidents other than collision.

Grundy Insurance policies outline some causes of loss that are considered “other than collision”.

Causes of loss covered by your comprehensive coverage include, but are not limited to: missiles or

falling objects; fire; theft or larceny; explosion or earthquake; windstorm, hail, water or flood; malicious mischief or vandalism; riot or civil commotion; contact with an animal and breakage of glass.

Some scenarios in which damage would be deemed Comprehensive:

A deer hits your car.

Some neighborhood kids spray paint the side of your car.

Your windshield is hit by a rock while driving home from a show.



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Customer Service Supervisor

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Something falls out of an airplane and into your car.

Acorns fall off a tree and dent your hood.

Your vehicle is damaged by hail.

Your garage catches fire and your car catches on fire. This is especially important to remember, because many people mistakenly believe that their homeowners insurance will cover their cars in a fire. That is NOT true; you do need Comprehensive coverage on your vehicle for it to be covered on your collector car.

Your car is damaged during a hurricane due to flooding.*

Your car is damaged in an earthquake. *

*Note that when a car is covered by Comprehensive, both earthquake and flood damage are included on a standard Auto Form; however, in areas of the country, identified as probable locations for Catastrophic Losses, like California earthquake and Florida flood areas, insurance companies may limit coverage or impose high deductibles for these perils.

What is NOT covered if you are carrying both Comprehensive and Collision?

There are some exclusions listed in our policy that identify what the insurance company will not pay for, including:

Loss which occurs while using your covered auto for public or livery, like a limo or taxi.

Damage due to wear and tear, freezing, mechanical failures, electrical breakdowns and road damage to tires.

Radioactive contamination, war, insurrection, rebellion or revolution.

Loss to any electronics used to transmit audio, visual or data signals, like citizens band radios, telephones, two-way mobile radios, scanning monitor receivers, television monitor receivers, video cassette recorders, audio cassette recorders or personal computers.

Total loss by destruction or confiscation by a government unit.

Loss of radar or laser detectors.

Custom furnishing in a pick-up or van. *

Damage that occurs while competing in or preparing for a racing or speed contest; rallying, gymkhana.

Loss to a non-owned rental vehicle.

*In the event of a Total Loss, there is no deduction to your Agreed Value settlement if these items were included in the value for which your car is insured.

Legally, you are able to purchase Comprehensive coverage separate from Collision coverage; however, you are not able to buy just Collision coverage. Grundy urges all car collectors to have both Comprehensive and Collision coverage for their autos, in addition to Liability. Collector cars are high in value and cannot, easily be replaced. It is our objective to fully cover collector vehicles for their true values. Establishing an "Agreed Value" was the foundation on which Grundy built the first-ever collector car insurance policy. Today, we continue to offer full coverage Agreed Value policies at affordable low rates.

Clean any gas tank inside no matter how rusty to good as new simply pull your sending unit out and plug hole then through the gas inlet hole pour in about six bottles of the works toilet bowl cleaner leave set 15 minutes or so and rotate until you have all sides ends and corners soaked ... DON'T JUDGE ME DAMIT JUST TRY IT ...

Also to check for holes in tanks plug one hole and tape a turned on flashlight to the other and then turn off your garage lights and wow it works every time . See light? fix holes easy as that.

Pour some works toilet bowl cleaner in a cut off milk jug and drop in your rusty bolts they come out like new

Froze up motor... a few squirts of works in each cylinder will free it in about 15 minutes. Now we have covered all dangerous points of your build (((LEAKY GAS MAKES BOOM))) rusty tank makes car not run so pretty good ... and cleaning original bolts saves money ... so I saved your life from fire and got rust out of your tank so you run better and I saved you money

Couple of tips for your old body;

Cuts; Working with your hands, cold, dry climate brings on paper cut type cuts to your fingertips, etc. They're a pain in the ass and never seem to heal up prior to busting them back open. I use CA (cyanoacrylate) glue or "super glue". on them; Squeeze the cut shut, then drop a couple of drops over the cut. Hold the cut closed a couple of minutes until the glue cures. The "gel" type CA glue works best, as it doesn't flow which means you have much less chance of gluing your fingers together! You can also buy CA glue accelerator or "kicker" at hobby shops, which will instantly harden CA glue when you hit it.

Gloves; Hardcore body builders use leather gloves that already have the finger tips cut off. These gloves have a built in velcro wrist wrap that helps keep your wrists straight. I have a pair that I wear when I'm doing continuous heavy block sanding, etc and I've found that I last longer and am less whooped at the end of the day.

Portable floor mat; I have a couple of old foam Boogie boards that I use as a mat when I'll be doing hours of continuous standing, kneeling, etc, when doing bodywork, bench work, etc. They're a poor man's machine shop rubber mat, but are easy to move around where needed. Knees and back feel better at the end of the day.

Relief; Hit your nail with a hammer? Unwind a paper clip. Place in vice grip. Heat end of clip over open flame, then lay tip of hot clip on bruised part of fingernail. It'll melt a small hole in the nail to relieve the blood. Same can be done with a small drill.

If you have a junk or grenaded manual trans, keep the input shaft for a clutch disc alignment tool. The real thing works better than the plastic auto part store guides.

Please send all news articles, classified ads, special interest articles, stories of trips you took, etc. to:

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ADULT TRUTHS

- ❖ Was learning cursive really necessary?
- ❖ I can't remember the last time I wasn't at least kind of tired.
- ❖ I have a hard time deciphering the fine line between boredom and hunger.
- ❖ How many times is it appropriate to say "What?" before you just nod and smile because you still didn't hear or understand a word they said?
- ❖ I love the sense of camaraderie when an entire line of cars team up to prevent a jerk from cutting in at the front. Stay strong, brothers and sisters!
- ❖ Sometimes I'll look down at my watch 3 consecutive times and still not know what time it is.
- ❖ Even under ideal conditions, people have trouble locating their car keys in a pocket, finding their cell phone, and Pinning the Tail on the Donkey – but I'll bet everyone can find and push the snooze button from 3 feet away, in about 1.7 seconds, eyes closed, first time, every time.
- ❖ The first testicular guard, the "Cup", was used in Hockey in 1874 and the first Hockey helmet was used in 1974. That means it only took 100 years for men to realize that their brain is also important.

Ladies.....Quit Laughing!

Heal the past, live the present,
dream the future!



**UNITING GEAR HEADS YOUNG AND OLD
HELP SUPPORT THE MONTANA STREET ROD
ASSOCIATION**

SCHOLARSHIP PROGRAM

PURCHASE MSRA MERCHANDISE!

Our goal is to create a sustainable way to annually fund at least a \$500 scholarship to each of the six Montana tech schools that offer automotive or related programs. All net proceeds from all sales will go directly to the scholarship fund.

The first items available for sale are can Koozies. Additional items, such as t-shirts, caps, etc. will be available soon – watch the MSRA web site for availability (www.MontanaSRA.org)

CAN KOOZIES -- \$4.00 each

Can Koozies will be available for purchase at all MSRA meetings. Also, they can be purchased from all MSRA officers. In addition, Koozies will be for sale at selected car shows during the upcoming summer season.

**THANK YOU FOR SUPPORTING EDUCATION
FOR MONTANA KIDS!!**

AUTOMOTIVE PAINT GLOSSARY

ABRASION RESISTANCE	Resistance to being worn away by rubbing or by friction; related more to toughness than to hardness. A necessary quality for automotive finish durability.
ABRASIVE	Used for wearing away a surface by rubbing. Examples are sandpaper, steel wool, compound, clay, scotch-brite, etc.
ACCELERATOR	A chemical that can be added to some paints to speed the curing time.
ACRYLIC	Synthetic resin used in a latex coating with good gloss and color retention.
ACRYLIC ENAMEL	Chemically enhanced enamel formulas are the mainstay of modern refinishing products. Many acrylic enamels recommend a catalyst, while others require it, to induce chemical reactions that produce a paint film of remarkable durability, chemical resistance, and gloss. Acrylic enamels can be polished like lacquer to a mirror finish.
ADHESION	The ability of a coating to stick to a surface.
AEROSOL	A product feature that uses compressed gas to spray the product from its container.
ALKALI	A substance such as lye, soda, or lime that can be highly destructive to paint films.
ALKYD	Synthetic resin modified with oil. Common in the early automotive enamels in the '60s, offered good adhesion to a clean surface, and good gloss, color retention, and flexibility, but tended to chalk out sooner and offer a shorter life than either the previous lacquers, or the later acrylic enamels. Slow-drying.
ANTI-CORROSIVE PAINT	Metal paint designed to inhibit corrosion. Applied directly to metal.
BENZENE	Powerful but highly toxic and flammable solvent, usually restricted to spray application.
BENZINE	Often used as a lacquer dilutant. Highly volatile and a fire hazard in shipping and storing.

BINDER	Film-forming ingredient in paint that binds the pigment particles together.
BLEEDING	Undercoat staining through the top coat.
BLISTERING	The formation of bubbles or pimples on the painted surface caused by moisture or other contamination, by painting before the previous coat has dried thoroughly, or by excessive heat.
BLOCKING	Sanding primer or topcoats by hand with a flat backing surface such as a long-board or rubber sanding block.
BLUSHING	A gloss film turning flat or a clear lacquer turning white, usually caused by moisture
BUILD	Thickness or depth of paint film.
CATALYST	An ingredient that speeds up a chemical reaction; sometimes used in two-component paint systems. Sometimes referred to as activators, catalysts contain chemicals that interact with the resins of the base paint allowing it to cure more rapidly.
CHALKING	The formation of a loose powder on the surface of paint after exposure to the elements.
CHECKING	A kind of paint failure in which many small cracks appear in the surface of the paint.
CLEAR COATING	A transparent protective and/or decorative film.
COHESION	Attraction of molecules within a coating [how it holds together].
COLORANT	Concentrated color that can be added to paints to make specific colors.
COVERAGE	The area over which a given amount of Paint will spread and hide the previous surface. (Usually expressed in square feet per gallon).
CRAZING	Small, interlacing cracks on surface of finish.

CURING	Final conversion or drying of a coating material.
DILUENT	Another term for solvents used to thin paint.
DRIER	A paint ingredient that aids the drying or hardening of the film.
DRY DUST FREE	That stage of drying when particles of dust that settle upon the surface do not stick to the paint film.
DRY TACK FREE	That stage of drying when the paint no longer feels sticky, or tacky when lightly touched.
DRY TO HANDLE	That stage of drying when a paint film has hardened sufficiently so the object or surface painted may be used without marring.
DRY TO RECOAT	That stage of drying when the next coat can be applied.
DRY TO SAND	That stage of drying when a paint film can be sanded without the sandpaper sticking or clogging
DURABILITY	The ability of paint to last or hold up well against destructive agents such as weather, sunlight, detergents, air pollution, abrasion, or marring.
ENAMEL	Broad classification Paints that dry to a hard finish. Enamel is a general term covering a wide range of paint, including hardware store spray cans. Single-stage alkyd automotive refinish enamels have been replaced by acrylic enamel which generally gives you the option of using a hardener or catalyst. Urethane enamels are even more durable and require a catalyst.
EPOXY	Clear finish having excellent adhesion qualities; extremely abrasion and chemical resistant. Epoxies are alcohol proof and very water resistant.
ETCH	Surface Preparation by chemical means to improve the adhesion of coatings.
ETCHING PRIMER	A primer with ingredients that etch into bare metal for better adhesion, also referred to as self-etching primer. Primarily used to prep bare metal.

AUTOMOTIVE PAINT GLOSSARY

WILL CONTINUE NEXT NEWSLETTER

FADING	The loss of color due to exposure to light, heat, or weathering.
FEATHER SANDING	Tapering the edge of dried paint film with sandpaper.
FILLER	Any material designed to fill surface flaws, from polyester body filler, spot putties and glazes, to primer surfacers.
FILM	Layer or coat of paint or other material applied to a surface.
FINISH COAT	Last coat of paint or other finish.
FISH-EYE	Small circular depressions nearly devoid of paint usually caused by surface contamination with oils or silicones
FLASH	The time required for the majority of the quick-evaporating solvents in the material being sprayed to evaporate or "flash" from the surface.

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If you are a business owner and would like to become a business sponsor of MSRA, send your business card or a copy of your ad to:

Elizabeth Scholl
PO Box 1423
Bozeman, MT 59771-1423

Cost: \$50 per year

Your fees go toward the MSRA Scholarship Fund

You will receive:

- **MSRA Business Sponsorship Plaque**
- **Advertising in the Newsletter**
- **Advertising on the MSRA Website**

MSRA MEMBERSHIPS FOR CAR CLUBS ARE AVAILABLE

\$25 PER YEAR

BENEFITS:

- ❖ You can have your rod run registration/advertisement printed in the newsletter that goes out to 120 memberships.
- ❖ You can advertise any club fundraisers.
- ❖ You can put articles in the newsletter.
- ❖ You can advertise "FOR SALE" vehicles, parts, etc. in the newsletter and on the website.
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master**
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**Call Reggie Dangerfield
(406) 252-3301**



Tip of the day

If you are serving a moist cake, preserve the outside pieces by securing a slice of bread to both cut surfaces with toothpicks. The cake will not dry out, meaning every slice is a winner!



FOR SALE

1951 Dodge Wayfarer, 2-door sedan, new Upholstery, all original, 95% complete.

Great project car.

\$3500

Also available is a 318 motor.

For more information, call John at

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406-597-3064



1932 Ford pickup rolling chassis includes: pickup bed; four 15" chrome reverse wheels; original 'K' member and cross members; front fender braces; radiator; headlight bar; and steering box and column with original key in column lock. The torque tube and rear end were chromed in the 1960's
Price: \$3500

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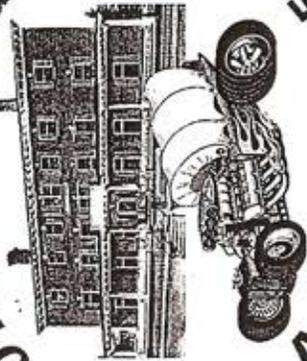
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Pioneer Street Rods

2013 Charity Cruise



August 24-25

Proceeds to the Ronald McDonald House
Butte, Montana

SCHEDULE OF EVENTS

Saturday, August 24, 2013

10:00 - 12:00 - Registration, Best Western Butte Plaza Inn, Hop's Pub Meeting Room, 2900 Harrison Avenue

12:30 - 3:30 - Cruise through historic Butte with stops at the Berkley Pit, Granite Mountain Memorial, Mountain Con Mine, Paul Clark Ronald McDonald House. Door prizes drawn at these stops. Must be present to win.

4:00 - Show and Shine at Butte Plaza Inn, baron of beef dinner, music, raffles, 50/50 drawing, awards

SCHEDULE OF EVENTS

Sunday, August 25, 2013

8:00 - Coffee and donuts at Butte Plaza Inn, register for poker run, \$10.00 per hand, \$5.00 each additional hand

9:00 - Poker run starts (route to be determined)

1:00 - End of poker run, lunch for participants only at the park in Ramsay, Montana. You may want to bring your own chair.

Good bye and have a safe trip home!!

DETAILS

ENTRY FEE - \$20.00 per car, 2 people per car, \$5.00 each additional person in car

DASH PLAQUE - One per vehicle

1st 75 ENTRANTS - Event cooler bag (primary vehicle only)

EVENT AWARDS - Sponsor picks for Long Distance, Oldest Vehicle, Participants Choice, Oddest Rod, Most Home Built, Oldest Participant, Under The Age of 21, MSRA Pick

RAFFLES, 50/50 DRAWING

A portion of the proceeds from this event will be donated to the Paul Clark Ronald McDonald House.

CONTACT INFORMATION:

Tony Patrick - sharpfocus@q.com - 406-494-5243

Jim Ayres - 406-593-7817

OFFICIAL ENTRY APPLICATION

MAIL TO: Pioneer Street Rods, PO Box 3272, Butte, MT 59701 ENTRY # _____

NAME: _____ AGE: _____

STREET ADDRESS: _____ TELEPHONE: _____

CITY: _____ STATE: _____ ZIP: _____

VEHICLE INFORMATION:

Year: _____ Make/Model: _____ Color: _____

This form may be copied for additional vehicles you may be registering for this event. Include a separate form and payment for each vehicle being registered. Please obey all speed limits and the cell phone ordinance of Butte -Silver Bow. Thank you!!