

# M.S.R.A.

Montana Street Rod Association • 43rd Year

## NEWSLETTER

[www.montanasra.org](http://www.montanasra.org)

September, 2017

### OFFICERS

#### ELIZABETH SCHOLL

President  
PO Box 1275  
Livingston, MT 59047  
Ph. (406) 579-2996  
[escholl@ecolibrum.com](mailto:escholl@ecolibrum.com)

#### VACANT

Vice President

#### JUDY SORG

Secretary  
307 E. Granite Ave.  
Bozeman MT 59718  
Ph. (406) 582-7572  
[jasorg@hotmail.com](mailto:jasorg@hotmail.com)

#### STEVE SORG

Treasurer  
307 E. Granite Ave.  
Bozeman MT 59718  
Ph. (406) 599-9618  
[sorg1932@gmail.com](mailto:sorg1932@gmail.com)

#### NEWSLETTER

Barb Salerno  
1104 13<sup>th</sup> St. W.  
Havre, MT 59501  
Ph. (406) 265-3163  
[President@MontanaSRA.org](mailto:President@MontanaSRA.org)

#### WEBSITE

Steve Sorg  
307 E. Granite Ave.  
Bozeman, MT 59718  
Ph. (406) 599-9618  
[sorg1932@gmail.com](mailto:sorg1932@gmail.com)

### BOARD OF DIRECTORS:

Elizabeth Scholl - President  
Vacant - Vice President  
Steve Sorg - Treasure  
Judy Sorg - Secretary  
Bob Degenhardt - Past President  
Steve Sorg - Past President  
Max Cederburg - Member at Large  
Gary Taylor - Business Sponsor Rep  
Roger Mudd - Member Club Rep

### NSRA MONTANA REPS:

Open - Eastern MT Rep  
Tony Patrick - Western MT Rep

### MONTANA SAFETY REP

Tommy Taylor

---

## PREZ SEZ...

Dear Friends,

Another fun filled summer brings us again to celebrate the last car show of the year at the Townsend Montana Fall Festival, Sunday October 1st in the front room at Betsy's Bar from 10:00 AM to 12:00 PM! This is a very important meeting for all members to attend as we will be nominating a full slate of officers for MSRA to be voted on in our winter meeting. None of the current officers will be able to take on another volunteer term so bring your good ideas and commitments for a solid slate of MSRA members interested in volunteering for this important organization. We look forward to seeing you in Townsend!

Elizabeth Schuyler Scholl  
President MSRA

### The next meeting will be held Sunday, October 1, 2017:

The front room of Betsy's Bar  
219 Broadway, Townsend, MT

Membership meeting at 10:00am

*New Members & Ideas Welcome*

# Meeting Minutes

Saturday, February 4, 2017 Bozeman, MT

## MEETING AGENDA

February 4, 2017 Best Western Gran Tree Inn, Madison Room  
Bozeman MT 10:00am – 12:00noon

## AGENDA

1. Call to Order. @ 10:15 A.M.
2. Signing of membership book. 24 members, 2 guests
3. Introduction of visitors and the introduction of new members and sponsors.
4. Approval of last meeting minutes. Minutes posted in newsletter. Motion by Bob Degenhardt, Gary Taylor –second. Motion passed.
5. Secretary's report and reading of correspondence – Judy Sorg. Flathead Community College sent a 50th anniversary booklet to Elizabeth- shared with members. Scholarship letters mailed to all 11 Financial Aid Directors at Community Colleges and Technical Schools. Renewal letters mailed to membership, car clubs and business sponsors. Membership cards mailed to renewing members. Additional renewal letters sent to 15 members who had not yet renewed, 19 businesses who had not renewed and 3 car clubs who had not renewed. Completed & sent a Blue Jean Friday Application to the Bozeman Daily Chronicle. Sent thank you letters to MSRA scholarship donors. Printed & mailed 30 newsletters which were sent to non-email members, car clubs and business sponsors. The 2017 sticker for the business sponsor plaques was sent with the newsletters.
6. Treasurer's report, balance in treasury, and accounts payable – Bob Degenhardt. Report was passed around for members to view. Motion to accept treasurer's report made by Gary Taylor and seconded by Bob Bradley. Motion passed.
7. Secretary's report of Membership Renewals for 2016 – Judy Sorg.- not given
8. Scholarship Committee report – Elizabeth Scholl. There were 12 outstanding applicants from across the state. All students who apply are financially in need and are registered with their institution's financial aid office. The scholarship funds are distributed to the financial aid offices of the Montana University System (MUS). The school takes out any outstanding university debt from the scholarship before the student receives any money. There is a strict criterion for the applicants. Any MSRA member is invited to be on the MSRA scholarship committee.
  - a. Rod and Custom Scholarship award winners for 2016/2017. Winners: Channa Clarin- Dawson Community College  
Colby Fitch- Missoula College (UMT)  
Scott Parke- Helena College (UMT)  
Caleb Roope - MSU Northern
  - b. Merchandise program proposed for 2017 (Guest – Jody Ryan from Ryan's Trophies).

Elizabeth reviewed the history of the scholarship change from a 507 to a 501c3, allowing for increased scholarship funds within the IRS rules. Donations have been made by MSRA members, car clubs and business sponsors. Garden City donated \$1000 this year and commits to \$1000 donation for the next 5 years. A new merchandise program will be trialed to help take the burden off the MSRA's members and place it within the community. There is no intent to compete with the car shows' SWAG. Elizabeth spoke with Barb Salerno of Hi-Line Cruisin and Roger Mudd of Helena Valley Timing Assoc. regarding trialing this new program and both were agreeable. The car clubs will purchase a kit from Ryan's Trophies at wholesale

price that includes, SWAG (T-shirts, etc.) signage, a table cloth. 80% of sales will go to the MSRA scholarship fund & 20 % will go to the car club/show.

Jody presented different SWAG items: T-shirts (which members could buy today at meeting at cost), wine glasses, apron, oven mitt & cutting board with the MSRA scholarship logo.

There was a question from the membership regarding the old MSRA logo- which also could be put on T-shirts if enough members wanted that. This question led to a discussion regarding what direction did the membership want MSRA to take. The Scholarship program did not seem to be in jeopardy but the majority of the members wanted the focus to be more of what MSRA was initially- lobbying to get legislature passed and not as much emphasis on the scholarship program. Elizabeth gave each member the opportunity to speak their concerns. There was clarification that MSRA can lobby for any legislative issue relevant to the members but it cannot be political in any way- such as endorsing a candidate etc.

Concerns expressed: Want groups of clubs to get together to lobby for important legislature.

No talk about the next new car project.

Not getting new members i.e. younger population- can't afford the hobby or interest is not in hotrods/streetrods etc.

Contact the scholarship winners a year later to see how their "car" project is coming along.

Get back to where we were – readjust the focus.

Have an annual MSRA picnic.

Helena Valley Timing has initiated a cruise night and is gathering a following and people now know who the group is instead of just focusing on their scholarship fund.

Gary Taylor suggested that members write down what they want and give it to a board member rather than complain about an issue.

9. Old Business.
  - a. Election of Rodder of the Year for 2016.  
Nominees: Roger Mudd – winner  
Bob Degenhardt, Helena Valley Timing Assoc.
  - b. Announcement of new Board Members (Business Sponsor Rep, Car Club Rep, and Member-at-Large Rep). Jim Alley – Member-at-Large, John Zawata- NAPA Bozeman- business sponsor, Garden City- car club
10. New Business.
  - a. Motion to pay bills falling within established 2017 budget. Greg Staples made above motion, Sonny Adams- second. Motion passed.
  - b. Notice to change by-laws to two meetings per year instead of three. Tabled
  - c. Next Meeting date and location – Butte in conjunction with NSRA Appreciation Day? Helena at the end of May.
11. Announcements. Maps available for shop tours – Sound Pro, Mike's Off Road, Dark Horse Custom. Lunch at Buffalo Bump.
12. Adjournment. Meeting adjourned at noon.

# MSRA Treasurer's Report as of 9/4/17

## Montana Street Rod Association

Treasurer's report

As of 9/4/2017

Cash in Bank: General fund: \$7764.40    Scholarship Fund: \$5431.85    Total: \$13196.25

	General	Scholarship
<b>Income YTD:</b>	<b>\$1,050.00</b>	<b>\$1,326.50</b>
MEMBERSHIPS	\$425.00	
BUSINESS SPONSORS	\$550.00	
CAR CLUB MEMBERSHIPS	\$75.00	
LICENSE PLATES		
PATCHES		
SCHOLARSHIP MERCHANDISE		
<b>Expense YTD</b>	<b>\$1,266.84</b>	<b>\$4,000.00</b>
PRINTING		
POSTAGE	\$349.12	
PLAQUES	\$120.00	
EVENT WALLET CARDS		
LICENSE PLATES		
PATCHES		
MISCELLANEOUS	\$333.72	
WEB SITE		
ACCOUNTING		
STATE REGISTRATION	\$20.00	
Scholarship program shirts	\$444.00	

Expense Transaction Detail since last meeting:

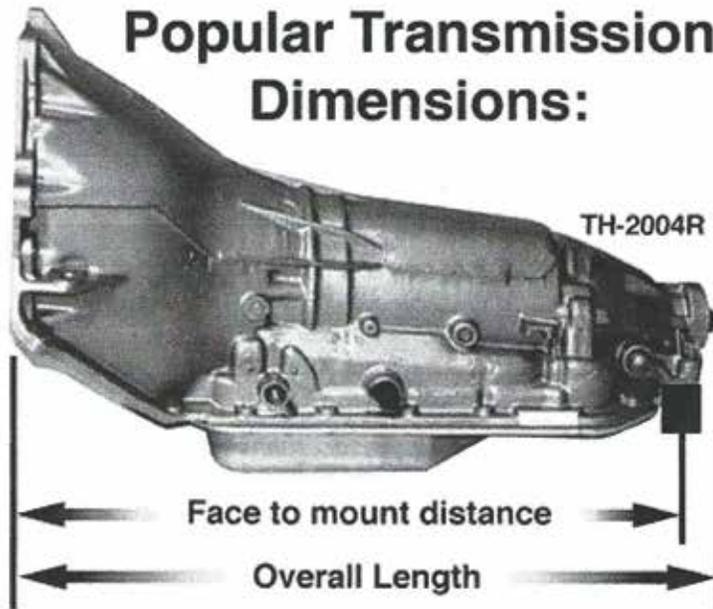
Date	Check #	Amount	Pay To:	Expense
2/7/2017	3121	\$444.00	Ryan's Trophies	Invoice #10024
2/7/2017	3122	\$322.42	Judy Sorg	Newsletter supplies
5/17/2017	3123	\$20.00	Steve Sorg	State of MT Corp registration
9/4/2017	3124	\$85.00	Ryan's Trophies	invoice #10175
9/4/2017	3125	\$38.00	U.S. Postmaster	6 mo. PO Box rental

# Roadkill Customs Transmission Dimensions



## Transmission Dimensions

### Popular Transmission Dimensions:



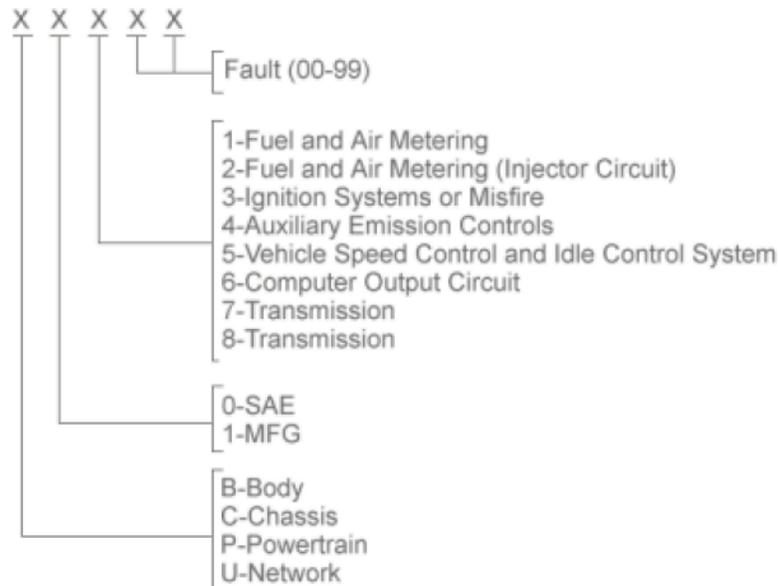
Trans Type	Overall Length	Face to Mount Distance
TH-2004R	27 3/4"	26 3/4"
TH-350 short	27 5/8"	20 3/8"
TH-350 Medium	30 5/8"	20 3/8"
TH-400 short	28 1/4"	26 3/4"
4L80E	32 3/16"	30 5/16"
TH-700R4	30 3/4"	22 1/4" or 27 5/8"
C-4	30 3/4"	20 3/4"
C-6	33 1/2"	22 3/8"
AOD	30 3/4"	22 3/8"
E4OD	38"	29 3/4"
FMX	30 1/4"	22 3/4"
904	30 1/2"	23 1/2"
727	35"	23 1/2"
A-500	37 3/4"	24 1/4"
A-518	38 1/4"	25 1/4"

# OBD-II Diagnostic Trouble Codes Explained

OBD-II Diagnostic Trouble Code Database

Enter OBD-II Diagnostic Trouble Code:

A DTC is made up of 5 digits. The figure below demonstrates the composition of a OBD-II Diagnostic Trouble Code.



## OBD-II Diagnostic Trouble Codes Explained

OBD-II codes consist of a number of parts. Below is a breakdown of what each digit of the code means:

First Character - **System** - The first character identifies identifies the system related to the trouble code.

**P = Powertrain**

**B = Body**

**C = Chassis**

**U = Undefined**

Second Digit - **Code Type** - The second digit identifies whether the code is a generic code (same on all OBD-II equipped vehicles), or a manufacturer specific code.

**0 = Generic (this is the digit zero -- not the letter "O")**

**1 = Enhanced (manufacturer specific)**

Third Digit - **Sub-System** - The third digit denotes the type of sub-system that pertains to the code

**1 = Emission Management (Fuel or Air)**

**2 = Injector Circuit (Fuel or Air)**

**3 = Ignition or Misfire**

**4 = Emission Control**

**5 = Vehicle Speed & Idle Control**

**6 = Computer & Output Circuit**

**7 = Transmission**

**8 = Transmission**

**9 = SAE Reserved**

**0 = SAE Reserved**

Fourth and Fifth Digits - These digits, along with the others, are variable, and relate to a particular problem.

### TIPS 'N TRICKS

- I was struggling to put the 3-speed manual tranny back together for my '59 Ford, my old man showed me how to use grease to keep roller bearings in place during assembly (I had been at it for hours until he got home to let me in on this simple trick).
- "How to make a sheet metal template using masking tape"

This works best if it's an odd shape and you don't have both hands available... or you're a little shaky haha...

1. Cover hole you're wanting make template for with masking tape. I like blue. It's pretty.
  2. Setup drop light behind the panel you just taped up.
  3. Turn off the lights in your shop.
  4. Highlight edges of now illuminated masking tape.
  5. Remove your masterpiece carefully.
  6. Place masterpiece directly on sheet metal.
  7. Trim off excess tape.
  8. Cut your patch!
- Using a zip tie to check travel on an item. I used this when setting up the stops on power windows - tie a zip tie around the item and when it bottoms out or reaches where you want, you have your location marked. I have used this for other applications when I have been working alone, such as measuring travel on a M/C rod to see if it was bottoming out and also for measuring shock travel and rod length. Just put a zip tie around the rod and see where it is after maximum compression.

# MSRA Business Sponsors

**Baldwin Insurance Associates**  
1465 US Highway 2 NW, Suite D  
P.O. Box 2550  
Havre, MT 59501  
(406) 265-7283 (RATE)  
Fax: (406) 265-3333 Toll Free 855-265-7283  
www.baldwininsuranceassociates.com

**ERIN JENSEN**  
Personal Lines Account Manager  
Email: erin@baldwinlive.com



**RK Classics**  
Custom Street Rod Fabricating  
Parts and Equipment

**Ron Brandt**  
Owner - Manager

514 Mountain View Drive • Bozeman, MT 59718  
(406) 587-3064 • (406) 581-3879 Cell



**HOGAN CORPORATION SERVICES**  
520 Business Hub  
Belgrade, M 59714  
Ph. (406) 388-9400

Tractors, RV's, Monthly-Yearly Leases, Fenced &  
Secure, Commercial Space, Boat

**TIRE RAMA**

Matt Ferguson  
Manager

---

www.tirerama.com  
2999 West Main. • Bozeman, MT 59718  
Phone: 406-586-2208  
Fax: 406-585-7997  
Email: ts504@tirerama.com

---

☉ More Than Just a Tire Store ☉

"Hot Rods and Hot Paint"

**McGinley Motorsports, LLP**



**Brett McGinley**

4535 East Valley Center Rd • Bozeman, MT 59718  
Phone: (406) 587-8616 • Fax: (406) 587-3836

**Nickels Gaming  
Parlor**

Bob Gilbert  
2100 N. Last Chance Gulch  
Helena, MT  
406-443-5554

Dan Frick      Tires      Randy Knowles

**T.F.M.S.**  
THREE FORKS MOTOR SUPPLY  
"THE PARTS HOUSE"  
THREE FORKS, MONTANA 59703

Box 618 Three Forks, Montana 59752  
218 Main Street  
406-285-3212

**MY CANVAS AUTO**



Havre, MT  
(406) 265-5676

# MSRA Business Sponsors

Over 65 Years  
Combined Experience!



**Finishes**

- CHROME
- NICKEL
- BRASS
- COPPER
- 24K GOLD

**We Plate**

- ALUMINUM
- STEEL
- POT METAL
- STAINLESS STEEL

*Paul & Beckie Graham Owners*

*John Sanderson Manager*

2531 Dodge Avenue  
Helena, MT 59601  
(406) 449-6626  
www.dipitnow.com

## Mike's Trim & Upholstery

Specializing in

- Automotive • Motorcycle • ATV • Marine
- Vinyl & Convertible Tops

Cell: 406.570.7853

### Michael Wood

174 Shepherd Trail #A  
P.O. Box 11947  
Bozeman, MT 59719



**Michael Brush**  
Store Manager

office 406-587-4726  
fax 406-522-9332  
email Michael.Brush@NCS-Coatings.com  
web www.NCS-Coatings.com

34224 Frontage Rd.  
Bozeman, MT 59715

"Total Coating Solutions"

## Graphic/Web Design

*Ken Hackler*  
Cell: 406.570.1846




**Elizabeth Schuyler Scholl**  
CHAIRMAN AND CHIEF EXECUTIVE OFFICER

Ecolibrium.com  
escholl@ecolibrium.com  
PO Box 1275, Livingston, MT 59047-1275  
Mobile 406.579.2996



**Anna Craver**  
Customer Service Supervisor

First Interstate Bank  
2023 Burke Street  
P.O. Box 10910  
Bozeman, MT 59719-0910  
Tel: (406) 556-4846  
Fax: (406) 556-1068  
e-mail: anna.craver@fib.com

www.firstinterstatebank.com



**PROFESSIONAL  
DETAILING SERVICES**

**SAM HAUGSTUEN**  
owner

214 Shepherd Trail Unit E  
Bozeman, MT 59718

406-209-3058  
www.shinesautosmeticulously.com  
sam@shinesautosmeticulously.com



 **LinkedIn**

# MSRA Business Sponsors



**John Zowada**  
Store Manager

**NAPA AUTO PARTS BOZEMAN** Store 406-587-9211  
2616 W Main Suite A Cell 406-647-8874  
Bozeman, MT 59718 poisoncreekinc@gmail.com



**586-6809**  
**Mobile: 580-7165**  
**5601 Monforton Rd.**  
**Bozeman, MT 59718**



**509-467-9860**  
www.aoipro.com

**9515 N Division**  
**Suite 105**  
**Spokane, WA 99218**

*Professional Software Solutions*

**Gregory O. Staples, M.S.**  
President

gstaples@aoipro.com





**Brandon Mead**  
bmeadstudio@gmail.com • Bozeman, MT



**DARK HORSE**  
customs

**Scott Schintzius**  
..... Owner .....

scott@darkhorsecustoms.com

phone: 406.587.2944  
cell: 406.581.7615  
fax: 406.587.6134

8340 Huffine Lane  
Bozeman, MT 59718



..... www.darkhorsecustoms.com .....



**Jake Gustavsen**  
SALES

103 BRIDGER CENTER DR.  
BOZEMAN, MT 59715  
MAIN: 406.586.5927  
FAX: 406.586.9674  
1.800.332.9353  
CELL: 406.491.5025

Montana's Best Gas and  
Welding Distributor Since 1948

WEB SITE: www.gencco.com  
E-MAIL: jake@gencco.com



**Bozeman**  
**Transmission Center**  
7680 Shedhorn Dr. • Bozeman, MT 59718

- SW MT's Oldest, Most Experienced Transmission & Drivetrain Rebuilding & Repair Facility
- Automatic & Standard Transmission for all makes & models
- Clutches, Transfer Cases and Differentials
- H.D. Automatic Transmissions for Diesels, 4x4 Towing Units, R.V.'s & Performance Vehicles
- Transmissions for Vintage & Muscle Cars

**Phone 586-5097**  
**Area's Only Transmission Dyno**

**Earl Jolliff**  
A.T.R.A. Certified Technicians

# MSRA Business Sponsors

## 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.
- ❖ Your name will appear on the website as a club member.

## MSRA BUSINESS SPONSORSHIPS

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:

### Montana Street Rod Association

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

## AL'S MOBILE GLASS

Full Line of Glass & Mirrors

**AUTOS • TRUCKS • COMMERCIAL • RESIDENTIAL  
FARM & RANCH • LICENSED & INSURED  
— NEW VINYL REPLACEMENT WINDOWS —**

99 East Highway 2 • Whitehall, MT 59759  
Phone (406) 287-2194 • Cell 490-0085 • Fax 287-7955

Intermountain  
Distributing Co.



Don Brocopp  
3927 1st Ave S.  
Billings, MT 59103



## AUTO & TRUCK PARTS

RICK & LORI STROZZI  
OWNERS

Whitehall, MT 406-287-9212  
Sheridan, MT 406-842-5118  
Butte, MT 406-723-6504

## Taylor's Used Auto Parts

Gary Taylor  
126 Bluebird Lane  
Whitehall, MT 59759  
406-287-3641

**FOR SALE:**

1966 Mercury 4 dr. Montclair, 30- engine with 2 barrel carburetor, rebuilt motor and C6 tranny, brown in color, drive train is good, paint and interior both in very good shape. Odometer: 75,447 miles. \$6000.

Call Merlin at 406-265-9381

1966 Mercury 4 dr. Sedan Park Lane Breezeway, 410 Maurder engine with 4 barrel carburetor. Drive train is good, paint and interior is in very good condition. \$10,855. Call Merlin at 406-265-9381.

**LOOKING FOR:**

1950 original Chev. 4 dr. Call Leo at 406-372-3182



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

Wally Hammett, Roundup, MT  
 Phone: 406.323.1695  
 email: whammett30sotonsra@midrivers.com

**1938 Dodge Pickup**  
Can be used for parts or as a project car  
\$1500

**1939 Plymouth Coupe**  
400 Mopar  
\$12,000

**1965 Plymouth Barracuda**  
\$8500

'30's to '50's Style Gas Pumps  
Available (will restore)

**Call Ron Brandt**  
**406-587-3064**

**FOR SALE:**

Mallory dual-point distributor for SBC, N. 2548201, used one hour (long story) as new in box, \$100.

Ram 11-inch clutch and pressure plate for 26 spline for T-10 or Muncie, never used, \$90.

Copper/Brass AutoCity Classic radiator for 55-56 Chevy car, Harrison clone, for V-8 position, used for 500 miles (another long story), like new, \$175.

Call Mike at 406-763-4732 or douglasfir@centric.net. Will donate 20% of any sales to the scholarship fund.

**SUPPORT THE  
 BUSINESS  
 SPONSORS THAT  
 SUPPORT MONTANA  
 STREET ROD  
 ASSOCIATION**

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

**Barb Salerno  
 1104 W. 13<sup>th</sup> St.  
 Havre, MT 59501**

**Ph. (406)265-3163**

**Email: gitgo@bresnan.net**

## CUSTOM COLLISION REPAIR

PHONE: 406.265.8492 | CELL: 406.945.1923 | FAX: 406.265.3185  
1710 1ST STREET NE | HAVRE, MT 59501 | CCRBODY@BMI.NET

### CHRIS PREPUTIN

Owner

Professional Auto & Light Truck Repair



• Kelly Tribble •

*Providing quality,  
professional service.*

*Over 20 years  
experience.*

*Serving Three Forks  
and surrounding  
areas.*

Office 285-4571 • Cell 539-0794

857 Boulder Cutoff Rd (Milligan Canyon exit) Cardwell, MT 59721

## FOR SALE

1947 Buick 2 door Fast Back

1950 Buick 2 door Fast Back w/Camaro  
Sub-Frame

1950 Buick 4 door

1957 Buick Convertible Special

1966 Plymouth Sport Fury Convertible \$5800

2 ea. 1947 Buick 2 door

Fast Back Roadmaster

1948 Buick Super 4 door

1949 Buick 2 door Fast Back

2 ea. 1950 Buick 2 door Hard Top

**Call Reggie Dangerfield**

**(406) 252-3301**

## Paul Bunyan's Sandwich Shop

3150 Busch Street  
Butte, MT

Jim Ayers  
**406-494-7817**

Butte's best sandwiches and pork chops.

