



www.volcanoas.net

Meeting: Church of the Nazarene – 16850 NE Fourth Plain Blvd, Vancouver, WA - Second Monday of Month – 7:00 PM
Guys breakfast meeting every Wed. (7:00am) at Hockinson Café, 219 NW 20th Ave, Suite 100, Battle Ground, WA
Guys lunch on Fridays (11:30 am) at Benny's Pizza & Café on 4219 St Johns Rd NE, Vancouver, WA

Volume 3 Issue 3

March

2014



2014 Club Officers

President:

Jerry Lane - 360-263-6980
northforkmuseum@gmail.com

Vice President:

LeRoy Helyer - 360-666-1469
shelyer@comcast.net

Treasurer:

Linda Willey - 360 687-0916
lindawilley@mac.com

Secretary:

Becky Blick -360-687-5241
mblick53@aol.com

Member at Large:

Leonard Willey - 360-687-0916
lindawilley@mac.com

Past President:

Jack Dusenberry - 360-256-0149
jdusie@comcast.net

Editor & Webmaster:

Bob Rusunen - 360-828-5317
rrusunen@comcast.net

Photo of Month



1930 Model A Standard Roadster





President's Note February 22, 2014

Well many things have taken place since our last newsletter, club meetings, weekly breakfast, Friday lunch at Benny's, tours, passing our 2014 Budget and our special Valentine's Dinner at Benny's, as always a great job by Benny and staff.

Last month I forgot to mention and thank you to Bill Peden for his three years of being our Club Treasurer, Thank you - Thank you Bill and may your dollars always make cents.

Also a big Thank you to LeRoy and Sandy for a great tour to Steve's Auto Restorations, the work being done and finished cars were incredible.

I am very proud to be a contributing member of our great Model A Club, as we cruise thru our golden years we can enjoy our cars and friendships and staying away from politics and too many rules and regulations.

Happy Model A'ing
Jerry

Committee Chairs

Community Service: Sherry Rusunen

Garage Workshop: Tom Pagel

Library/Historian: Terry Findley

NW Regional Rep: Jack Dusenberry

Public Relations: Dian Lane

Refreshments Coordinator: Nancy
Wooldridge

Sunshine: Pat Dusenberry

Tour Director: LeRoy Helyer

Webmaster: Bob Rusunen



March 9, 2014

Articles and contributions are encouraged and may be used as space permits. The deadline for all articles is the 20th of the preceding month. The Volcano View is a monthly publication of the Volcano A's Chapter - MAFCA

E-mail all proposed articles to:
rrusunen@comcast.net.

Front Page Photo

This 1930 Standard Roadster is owned by Bob & Carma Huset. Bought in 1961 - incomplete. Drove to N.W. Regional 1977 in Bend, OR. Still incomplete we put 6,000 + miles on. Finishing the car in 2013. Thanks to Carma and many Friends.

Volcano A's General
Membership Meeting Minutes
February 10, 2014

CALL TO ORDER: 7:05 pm by President Jerry Lane.

He led the flag salute.

TREASURER: Linda Willey gave the Treasurer's report.

VICE PRESIDENT: Leroy Helyer announced the date change of the February Tour, to February 21st. Meet at Fred Meyers on Chkalov Drive at 8:45 AM to go to Steve's Restorations in Portland. Lunch will be at Izzy's. A drawing will be held for the members attending for free lunch for two.

EDITOR: Bob Rusunen handed out the roster. Anyone wanting another copy may purchase one for \$5.00.

COMMUNITY SERVICE: Sherry Rusunen stated that 105 pounds of food was donated for the food bank.

SUNSHINE: Pat Dusenberry said everyone is well.

LAVA LADIES: Will meet at Van Mall to play Safari golf at 10:00 am. Lunch will follow at Olive Garden.

OLD BUSINESS: Jack Dusenberry moved to approve the January minutes as printed.

Bob Rusunen seconded the motion. Motion passed.

The Club's Valentine Dinner will be held at Benny's. A count was taken for dinners wanting to have steak.

The 2014 budget was read, discussed, and approved by a unanimous vote.

NEW BUSINESS:

President Jerry Lane announced that the date for the tour to the Knudson Home

has been changed to May 4, 2014, at 11:30 AM.

The Fletcher/Anderson pot luck picnic is to be held June 14, 2014. Lynn Elvestrom announced that only cars that have the Original Body appearance, park in the meadow, after crossing the covered bridge. All other cars are to park in the parking area before the covered bridge. The biplane will be there again this year.

Sandy Helyer announced that a "Bootleggers Ball", helping the Children's Cancer Society will be held February 28. Call Sandy for more information. Eddie Pitts won the 50/50 drawing, \$32.00.

Meeting was adjourned at 7:30 PM, by President Jerry Lane, to refreshments served by Lynn Mattingley and Pat Dusenberry. Refreshments were ice cream cups, red velvet filled cupcakes, grapes, coffee, tea, and juice.

Respectively Submitted Linda Willey



Happy Anniversary

- 1 Jack & Lynn Mattingley
- 3 John & Ardis Collins
- 20 Steve & Marjorie Pargeter
- 30 Tom & Sandy Pagel

HAPPY BIRTHDAY!

- 1 Tom Pagel
- 7 Carol Holm
- 7 Lance Lehman
- 16 Bob Rusunen
- 22 Sandy Pagel
- 24 Corley Wooldridge
- 30 John Collins

Refreshments

March: Becky Blick & Joyce Swartz

April: Nancy Wooldridge

May: Marilyn Elvestrom & Ruby Knudsen

June: Open

July: Carma Huset & Patty Sondena

August: Club Picnic

September: Sandra Guyot, Jane Hall & Dee LaBarre

October: Jennie Ryan

November: Roberta Emerick & Dianne Earnest

December: Holiday Potluck at the Lane's

Trivia Knowledge Nugget

Kites were used in the American Civil War to deliver letters and newspapers.

Ford Factory Foto of the Month



1931 40-B Deluxe Roadster

Reminder MAFCA 2014 National Conference



Knudsen's Pot Luck Update

Don & Ruby Knudsen are hosting a Pot Luck function at their home in Cathlamet, WA on *Sunday May 4th*. Bring your food, drink and lawn chairs.

Mark your calendars.

Community Service

The food collection for Feb. totaled just 76 pounds, bringing the year's total to 181 pounds!! It is all really appreciated, but I know we can do soooooo much better!!!! Remember, go shopping and bring your food next month!!! The Food Bank can really use it!!

Submitted by Sherry Rusunen

Member Rosters

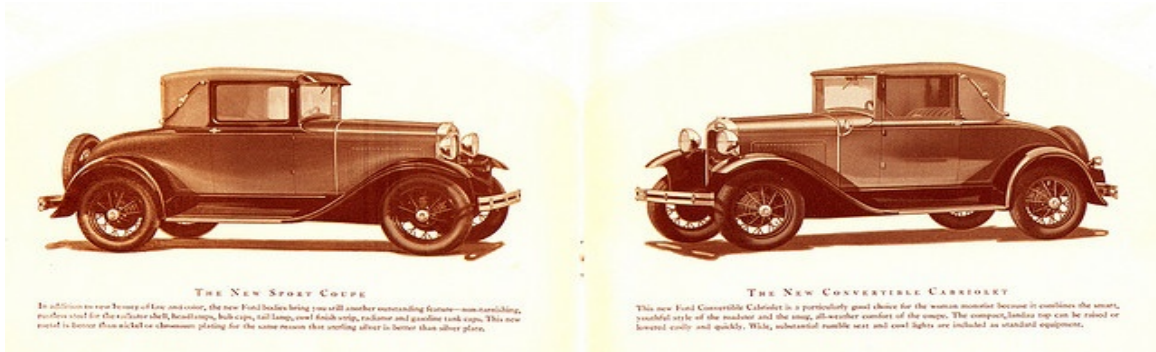
Membership Rosters for 2014 will be available at the March club meeting.

Portland Swap Meet April 4-6 at the Expo Center



Lava Ladies

We had a BLAST playing Safari Mini Golf. Linda Willey, Pat Dusenberry, Carma Huset, Joyce Swartz, Dian Lane and Dianne Earnest played 18 holes with Joyce getting a hole in one on the first hole. What a start to a really fun morning, we had 3 more hole in ones and now consider ourselves quite accomplished! We followed golf with a great lunch at The Olive Garden. Don't have a March activity scheduled yet but we'll do that at our next meeting - sure hope to see you there!



Hart Radiator Seminar

Saturday March 15th starting at 10:00 am - there be we will have a seminar at Hart's Radiator Shop in Kelso, WA. This will be a combined effort between the Cowlitz A's and the Volcano A's clubs

Come join us for this informative seminar put on by Doug Hart. He will demonstrate the involved process of rebuilding a 1930 Model A radiator. Doug will also show the differences between Models 1928/1929 and 1930/1931 radiators

After the seminar our group will be able to visit the Hart Collection of antique John Deer tractors, and other antiques.

Finally, there will be a no host lunch at Pie @ Trio's Pizzeria and buy your lunch.



Header from the MAFCA Website

MAFCA President's Page - Dan Foulk - February 2014

The first Board of Directors meeting for the new year is now history. There was excellent member participation, including five past presidents in the audience. Attending a board meeting from time to time is something every MAFCA member should do, as you would be surprised at the myriad of subjects the Board has on their plate to discuss during these meetings.

Planning for our future events is coming along very well, in the short term is the "A" Texas Spring Tour in March, and of course the National Convention in Puyallup in July. Registrations for both are coming along nicely. The deadline for regular registration for the "A" Texas Spring Tour is February 19, after that, the cost jumps by twenty bucks, so it behooves you to get your registration in as soon as possible.

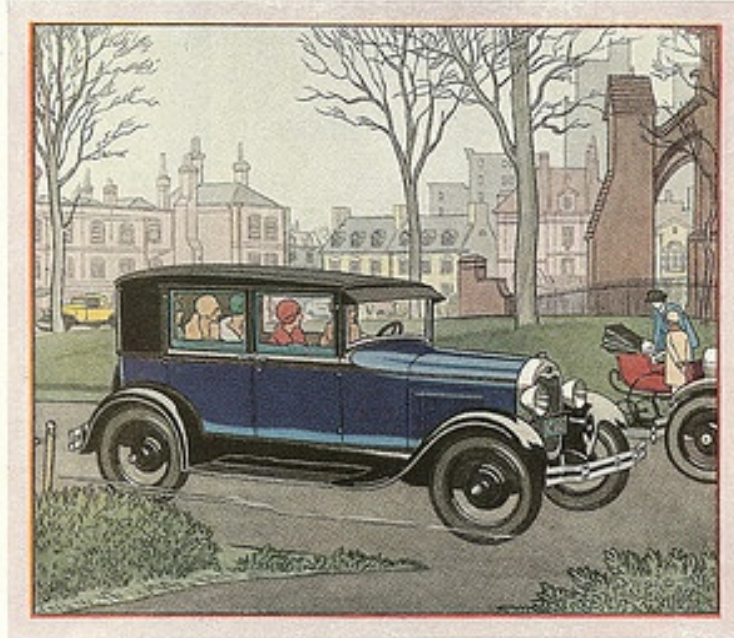
We are always looking ahead to find venues for our events that are still a long way into the future. We currently are looking for a host organization to sponsor the 2018 National Convention. Planning for these events can take several years, so if there is a chapter out there who is thinking that they would like to give this a try, please contact our Vice President, Happy Begg at vp @ mafca.com

Insurance and club investments are always subjects that generate a lot of discussion at our board meetings. In 2013, our insurance costs took a giant leap, fortunately this year, not so bad, although rates did go up.

Many organizations in California self-insure their buildings in the event of an earthquake. Earthquake insurance is very expensive, and normally has such a large deductible as to make it almost not worth carrying if an earthquake does happen. MAFCA is no different; we also self-insure our building in La Habra. MAFCA maintains a fund for use to replace the building in the event it is destroyed. We have engaged the services of an architect (a volunteer, also a car guy) to give us an estimate of the current cost to replace our building. This estimate will be used to make sure that the funds that we have set aside are adequate to cover the cost of replacement. This fund belongs to the membership and the Board has a fiduciary duty to take care of that money, and to invest it as conservatively as possible, while still growing it enough to provide for the effects of inflation. We accomplish this through our careful management of the investment.

<u>Information</u>	<u>2014 Events</u>
<p>The Model A Ford Club of America, Inc. (MAFCA) is a California non-profit corporation and a national historical society dedicated to the restoration and preservation of Model A Ford vehicles as manufactured from 1928 through 1931.</p> <p>MAFCA's members are dedicated to the restoration, preservation, and enjoyment of Ford vehicles of that era. MAFCA is the largest club in the world dedicated to one make of automobile. Volcano A members are urged to join the Model A Ford Club of America, Inc. Visit the MAFCA website for a membership application. Dues are \$40 yearly and include a subscription to <u>The Restorer</u>.</p>	<p>MAFCA National Tour March 9-14 - Texas Hill County Host: Alamo A's</p> <p>Central California Regional Group Jamboree April 4-6 - Paso Robes, California Host: Paso Robes A's</p> <p>Northern California Regional Group Roundup May 23-25 - Milpitas, California Host: Santa Clara Valley A's</p> <p>MAFCA National Convention July 14-18 - Puyallup, Washington Host: Gallopin' Gerties of Tacoma</p>

Ford March 1929 Good Housekeeping Ad



You will find the new Ford a comfortable easy-riding car

IN DAYS gone by, it was Mother who seemed destined to get most of the bouncing on those Sunday afternoon rides. Bumps that seemed like innocent little bumps to Dad in the front seat were quite large and aggravating by the time they reached the riders in the rear.

Perhaps Mother mentioned it in clear, brisk tones. Perhaps, being long-suffering, she didn't. There seemed no way it could be helped in

a low-priced car. Then along came the new Ford and with it a new idea of riding ease. Now there is no dividing line for comfort. Everybody can lean back and relax because even rough stretches may be taken at a reasonably fast pace without the exaggerated bouncing rebound which is the cause of most motoring fatigue.

This comfort means so much to the joy of motoring that it should be one of the first things you think about in selecting a motor car.

"Is it a comfortable car to drive?" is almost as important as "Is it an economical car to operate?"

The new Ford brings you truly



FORD MOTOR COMPANY
Detroit, Michigan

remarkable riding ease not only because of its low unsprung weight and transverse springs, but because it has four Houdaille hydraulic shock absorbers—two in the front and two in the rear.

Formerly these were installed as standard equipment on only the most expensive automobiles. Their use on the new Ford is an example of the quality built into every part of the car.



March 1929 Good Housekeeping

Shown on the left is the interior of the new Ford Sedan. Upholstery is soft and luxurious, yet long wearing. All appointments are fully nickel-plated. Note the wide door, the convenient arm rests, the air of restful riding comfort.

The illustration on the right shows the roominess of the front compartment of the new Ford Sedan. Here, as in rear view, you can see the restful tilt of the wide, deeply cushioned seat—the richness of every detail of finish and appointment.



Model A ERA Clothing Fashions

THE SATURDAY EVENING POST

October 16, 1929

You Can Laugh at Blizzards

in a Coat Like This



Just select any one of our **RETAIL STORES** for a Hercules Sheepskin... a better coat, at a price that only the world's largest store could offer.

Here's a coat that turns a biting North wind into a gentle summer breeze. It keeps it snug around your shirt, pulls the web, wraps under up around your ears, and you're ready for a good long hour in the snow or... even when the sun is shining out of sight.

You have the best features of all good over-mantled life-ers, when you wear a Hercules Sheepskin. The outside is tough, heavy, weather, rain proof and built to stand just as long. The sheepskin lining is extra thick Merino wool from Australia... a big, warm blanket that shows out the winter risk.

Warm materials that never lose their shape. It may sound like warm. The Hercules jackets are constructed to keep you warm and snug all night they can't lose it. The perfect one among, and warm—above things extra strong—built to stand up to anything.

...see whether you want it like to have one possibly to suit for only \$8.98. To make them look really it's some of high grade Merino sheepskin. One a quarter of a million yards of material, 500 miles of strong thread, and half a million buttons went into them. Only through such tremendous purchases as these can such a price be possible.

Go to the nearest Sears, Roebuck retail store and try one on... feel its warmth and perfect comfort... see how every detail of material and workmanship fits the way best.

If you live in a town where there are no Sears, Roebuck stores, try direct from your Sears, Roebuck Catalogue. If you haven't a catalogue we will be pleased to send you one on request. You can buy Hercules Coats only from Sears, Roebuck and Co.

HERCULES SHEEPSKINS \$8.98

SEARS, ROEBUCK AND CO.
RETAIL STORES EVERYWHERE FOR EVERYBODY

San Francisco Chicago Philadelphia Milwaukee Kansas City Dallas Memphis Los Angeles New York



Source: Phillip Lenssen at vintageadbrowser.com

Technical Notes

A Pre-Check before Adjusting the Model A Brakes By Lynn Sondenaa = Sandy, Oregon

If you desire quick acting brakes here is a pre check list of items that should be carefully looked at before attempting to adjust the brakes on a Model A.

- Unhook and remove all service brake rods and emergency brake rods.
- Grab the brake pedal to check for side way movement (Fig.1). If the pedal moves, then replace the pedal shaft bushings.



Fig.1

- Set the length of the service brake rods to 51 15/32 on an inch. Set the emergency brake rods to 42 inches. I use a homemade fixture for this purpose. Figure 2a shows the fixture in use on an emergency brake rod, while figure 2b shows a close up of the fixture. These measurements are from center to center of the eye holes. Also check to be sure there is no play in brake rod pins A-2462. If there is play there are two choices for repair. Either drill the holes oversized to .340 (11/32), or weld, grind, and re-drill to the original size of .310 (5/16).



Fig.2a



Fig.2b

- Check the brake shaft bushings in the front by grabbing the front brake lever arm A-2084 to see if there is any movement or play. I use a 3 inch long bolt inserted into the lever holes to gain more leverage for the test. (Fig.3). If they have play, replace the two bushings in the lever.

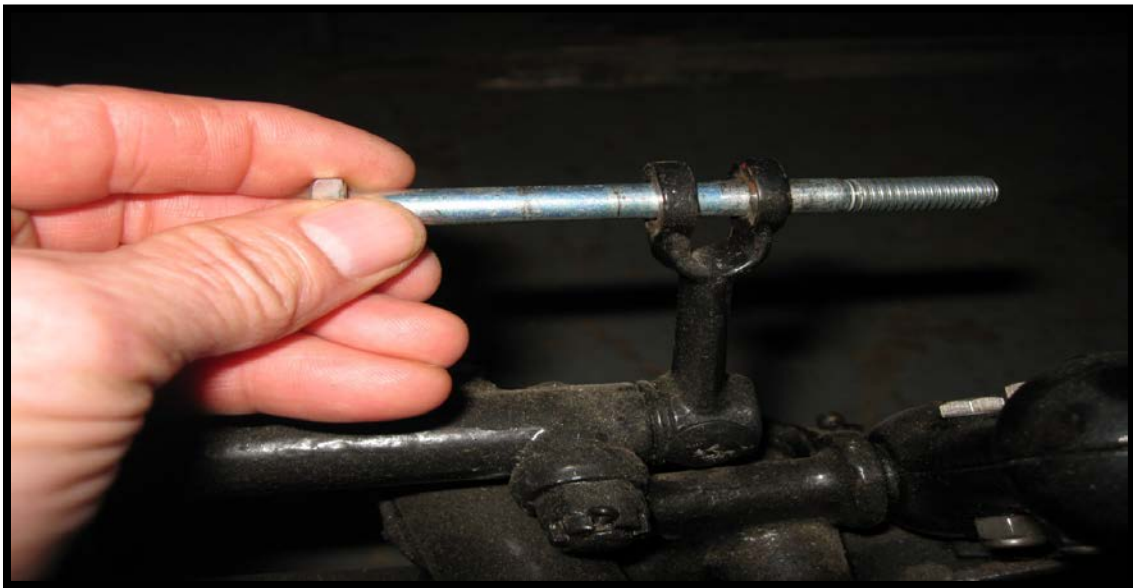


Fig.3

- Do the same test as above on the rear brake levers A-2235.
- Grab the cross shaft and check to see if it moves up and down. (Fig. 4) If it moves then the cross shaft bushings should be replaced.



Fig.4

I would recommend that if you have found worn parts on the above test, the front brake operating pins A-2075 be checked for length and straightness. These parts tend to wear with time and become short. Shims or pills are available (A-2075-SH or A-2052-S) to take up the slack. (Fig.5). The original length of these pins were 7.250 inches ($7 \frac{1}{4}$). I have found that if the operating pins are bent, it is due for two reasons. First, the pins were bent due to incorrect assembly or disassembly. Hammers and excessive force were being used. Second, check to see if there are multiple shims or pills in the brake wedge. Too many shims can cause the operating pin to be too long and bend.



Fig.5



Fig 6

Reattach all of the brake rods, making sure the cross shaft is in a vertical position (Fig.6). The connecting rod from the brake pedal to the cross shaft A-2465 should be adjusted to hold the brake pedal at the top step on the bell housing. The brakes are now ready to be adjusted.

Model A Maintenance

Here is a little maintenance quiz for you to review before you take out your Model A.

1. How many grease fittings are on a Model A?
 - a. 10 - 12
 - b. 28 - 31
 - c. 40 - 50
 - d. Exactly 42
2. What happens when the front wheel bearings run dry?
 - a. The front wheel falls off
 - b. Grease squirts out from behind the hubcap
 - c. They seize up and weld to the spindle
3. How should the distributor cam be lubricated?
 - a. With a light coating of Vaseline
 - b. Through a normal grease fitting
 - c. Oil can
4. What type of lubricant goes into the steering column grease fitting?
 - a. 600W, just like the rear differential
 - b. The same grease as all the other fittings
 - c. 10W-30 non-detergent motor oil
 - d. Any of the above
5. How often should you change your oil?
 - a. Every 200 miles
 - b. Every 400 miles
 - c. Every 500 miles
 - d. Every 1000 miles
 - e. It just leaks out so why change it
6. How soon should you check your breaker point's gap after installing new ones?
 - a. 10 miles
 - b. 15 miles
 - c. 100 miles
 - d. Never
7. What is the perfect color of spark plug electrodes after extended use?
 - a. Pitch black and dry
 - b. Pitch black with a little oil for lubrication
 - c. Pitch black with a little gas smell
 - d. Bright white
 - e. None of the above
8. How do you know when the u- joint has enough grease?
 - a. Remove the speedometer cap and look for new grease
 - b. The grease gun will be hard to pump
 - c. Grease will squirt out around the grease fitting
9. Which generator charging amperage range is considered best?
 - a. 1-2 amps
 - b. 3-5 amps
 - c. 6-9 amps
 - d. 15-20 amps
10. What is good front tire toe-in amount?
 - a. 1/32 inches
 - b. 1/16 inches
 - c. 1/8 inches
 - d. Model A's use toe-out instead
11. How many miles between tie-rod greasing's?
 - a. 500 miles
 - b. 1000 miles
 - c. 2000 miles
 - d. 5000 miles
12. How much play should the clutch pedal have?
 - a. None, any play is bad
 - b. 1 inch
 - c. 2 inches
 - d. 4 inches
13. What is the best way of preventing grinding gears when shifting?
 - a. Double-clutching
 - b. A low idle rpm
 - c. Pure STP in the transmission
 - d. All of the above
14. How much pressure is recommended for Model A tires with TUBES?
 - a. 50 lbs
 - b. 75 lbs
 - c. 35 lbs
 - d. None of the above
15. How do you access the clutch thrust bearing grease fitting?
 - a. There is no such bearing on the Model A
 - b. Not accessible on the Model A
 - c. From under the car, behind the transmission
 - d. Under the floor board through the transmission cover

Courtesy of Pikes Peak Model A Club
(<http://www.pikespeakmodelclub.com/quiz/maint/quiz.htm>)

Answer Key:

1. b., 2. c., 3. a., 4. a., 5. c., 6. c., 7. e., 8. a., 9. c., 10. b., 11. a., 12. b., 13. b., 14. c., 15. d.

Valentine's Day Sweetheart Dinner

Our Third Annual Valentine's Day Sweetheart Dinner (2/13/2014) was again a great hit at Benny's Cafe! For those that didn't attend missed a great time. Attending Club members were: John & Diana Carlile, Larry Cox, Scott & Lisa Deane, Jack & Pat Dusenberry, Lynn & Marilyn Elvestrom, Ron & Jane Hall, Bob & Carma Huset, Jim & Marylan Kelly, Don & Dee LaBarre, Jerry & Dian Lane, Jack & Lynn Mattingley, Richard & Sandra Pargman, Bill & MJ Peden, Eddy & Terri Pitts, Art Pugsley, Bob & Sherry Rusunen, Gary & Joyce Swartz, Leonard & Linda Willey.



Steve's Auto Restoration Tour

On Friday, Feb 21, several modern irons & 1 Model A driven by brave Bert Uthe traveled to visit Steve's Auto Restoration in Portland. Steve's does amazing & beautiful work restoring cars (for a price of course). Anyone have an extra \$250,000? The 4 girls, who went along to chaperon the boys, fell in love with a 1931 car with a custom Hall Racing green color car. Lunch was enjoyed at Izzy's. The free lunch winners were Jim Kelly & Bob Huset

Out for the fun day were: Carl Bach, Mike Blick, Scott Deane, Terry Findley, LeRoy & Sandy Helyer (Tour Leader), Ron & Jane Hall, Bob Huset, Jim Kelly, Don & Dee LaBarre, Jerry Lane, Jack Mattingley, Richard & Sandra Pargman, Mike Redy, Bob Rusunen, Gary Swartz, and Bert Uthe.



To see more pictures visit the Touring tab on our website at www.volcanoas.net.

Librarian Update

Terry Findley has announced that our club has recently purchased a new set of Model A Restoration DVD's. These DVDs will be a great addition to our library and will be well used by the members as well as used as "tech-time" after our general meetings.

1. Rebuilding 2-Tooth Steering (49 min)
2. Annual Tour Preparation (54 min)
3. Brake Drums and Brake Shoes (26 min)
4. Cylinder Head & Head Gasket (50 min)
5. Rebuilding a Distributor (32 min)
6. Installing Flathead Ted Brake Floater Kit (35 min)
7. Rebuilding a Front End Assembly (61 min)
8. Rebuilding a Generator (TBD min)
9. Installing an Overdrive (31 min)
10. Installing a Roof - 1930 Coupe (40 min)
11. Installing a Roof - 1931 Murray Fordor (52 min)
12. Installing a Roof - 1930 Pickup (40 min)
13. Setting Engine Bearing Clearance (28 min)
14. Rebuilding Shock Absorbers (68 min)
15. Rebuilding Springs (42 min)
16. Rebuilding Starters (6 and 12 volt) (75 min)
17. Installing a Timing Gear (28 min)
18. Mounting a Tire and Inner Tube (29 min)
19. Rebuilding a Transmission (42 min)
20. Rebuilding a Water Pump (28 min)



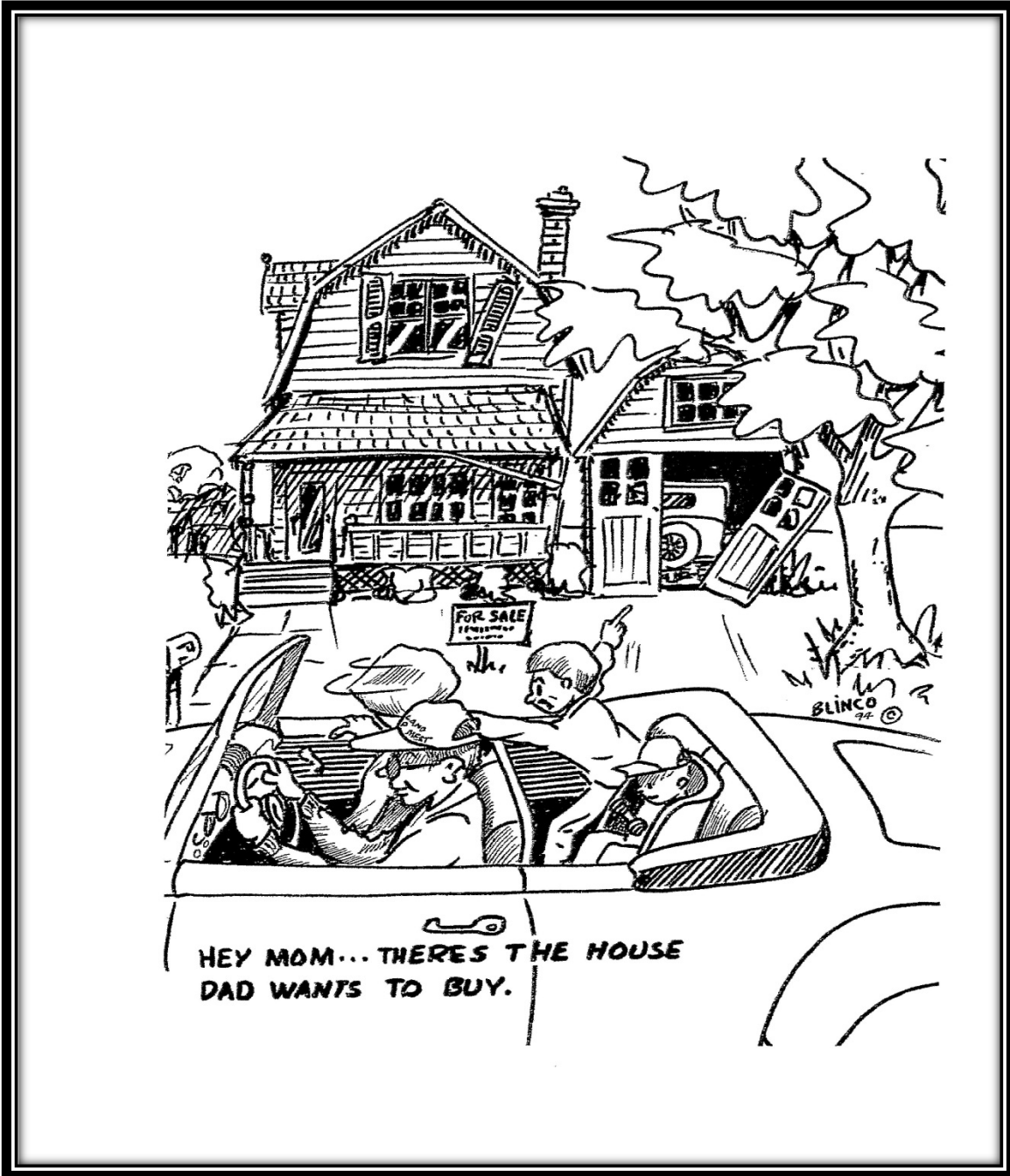
2014 Calendar of Events

Mar 8, 2014	Astoria Swap Meet - Clatsop Fairgrounds, Astoria, OR
Mar 15, 2014	Hart's Radiator Seminar - Kelso, WA
Mar 15-16, 2014	Almost Spring Swap Meet, 110 9th Ave SW, Puyallup WA
Mar 26, 2014	Franz Bakery Tour, Portland, OR
Apr 4-5-6, 2014	Portland Swap Meet, Exposition Center, Portland, OR
Apr 26, 2014	Sacramento Car & Parts Swap Meet, Sacramento, CA
Jun 7, 2014	32nd Annual All Ford Show & Swap Meet; Hillsboro, OR
Jun 14, 2014	NW Annual Model A Picnic, Chehalis, WA
Jun 15, 2014	Willamette Valley A's Auto Swap Meet; Salem, OR
Jun 20, 2014	34th Annual Swap Meet; Brooks, OR
Jul 4, 2014	July 4 th Parade, Ridgefield, WA
Jul 14-18, 2014	2014 MAFCA National Conference, Puyallup, WA
Aug 8-10, 2014	Pig-n-Ford Races, Fair Grounds, Tillamook, OR
Sep 13, 2014	All Ford Car Show and Swap Meet, Old Town Orcutt,

For Sale / Wanted

To place an "Ad" send your information to [rrusunen@comcast.net](mailto:rurunen@comcast.net), or call Bob Rusunen at 360-828-5317

Wanted: 1 ea 1931 Round Speedometer. Call Don La Barre 360-944-8983



Support Our Area Suppliers

C'S AUTO MACHINE SHOP

- FLYWHEEL GRINDING
- RESURFACING
- BORING
- THERMAL CLEANING
- ROD REBUILDING
- BLOCK DECKING
- VALVE GRINDING
- ENGINE REBUILDING
- KNURLING
- PIN FITTING
- PRESS WORK
- ROTORS & DRUMS

JIM
574-4934

EDM
SPECIALISTS IN
REMOVING BROKEN TAPS,
DRILLS, STUDS & EASY-OUTS

OPEN M-F, 8am-6pm
800 NE 86th Street
Vancouver, WA 98665


We Save You Money www.CostLessAutoParts.net

Cost Less Auto Parts™

"NO EXCUSES, Get it done!"

Orchards 360-254-5710	Hazel Dell 360-695-4423	Kelso 360-353-5956
---------------------------------	-----------------------------------	------------------------------

Floyd's Model "A" Parts




Janet Hickel
Owners

Phone: (360) 887-3346

29500 NW 31st Ave
Ridgefield, WA 98642

floyds@WA-net.com



HART RADIATOR
Complete Radiator Service

501 Grade Street, Kelso
Fax 360-425-1189

*Auto, Truck & Industrial
Radiators, Heaters, & Air Conditioners*

360-425-6220

Doug Hart 360-430-3615 Cell	Allen Hart 360-430-9169 Cell
--------------------------------	---------------------------------



NorthWest


AUTO PAINT

SUPPLIES, INC.

SCOTT BUSH
Vice President


9518 N.E. COVINGTON ROAD VANCOUVER, WASHINGTON 98662	CELL (360) 772-4599 BUS. (360) 254-0211 FAX (360) 254-6937
---	--

Benny Bennett Holly Bennett



Benny's
ROD & CUSTOM
Pizza-Cafe

4219 St. Johns Rd NE • Vancouver, WA 98661 • (360) 993-0284
www.bennyspizzacafe.com



that was easy:

Rod
*Copy & Print Associate
Certified Print Pro*

Staples®
1805 N Tomahawk Island Dr.
Portland, OR 97217

(503)283-8686
(503)283-8693
cc0638@staplescopycenter.com

staples.com/copyandprint

RICK PEABODY PRESIDENT	TIM TOPPER MANAGER
----------------------------------	------------------------------

WILSON RADIATOR SERVICE

AUTO • TRUCK • INDUSTRIAL

"WE CAN HANDLE IT"

1612 LINCOLN AVE. VANCOUVER, WA 98660	(360) 693-8971 (503) 224-7960 (360) 425-1583 1 (888) 693-8971
--	--

Volcano View Newsletter
Bob Rusunen, Editor/Webmaster
3720 NW 116th Street
Vancouver, WA 98685



Travel 1st test Ford Victoria 1931
Rodrigues Ford A Restoration
Joaçaba – Santa Catarina - Brasil