THE SUNDAY MOTORIST

An Abridged Magazine for Car Owners

EDITED BY WILLIAM ULLMAN

An optimist is a tourist who starts out with poor brakes, no spare, a knock in the motor and who wires 250 miles ahead for a hotel reservation.

Eight Years' Progress

He was passing in a decrepit car of 1917 vintage. High in the back, low in the front, rattly and chuggy.

There was no automatic windshield wiper, so naturally he picked his way along through the rain by craning his neck around the side of the windshield which, incidentally, was built narrow so as to invite the elements just as though they couldn't get in well enough as matters stood.

He was struggling to keep the car from skidding. Tires were three inches wide and smooth of tread with something like seventy pounds of air in them.

Upon striking a hole in the road the entire rear end of the car went into the air, sliding around in a hair-raising skid when they touched earth again. Their action reminded the onlooker that the car was without spring control devices.

How the driver struggled with the clutch. In order to get anything approximating a steady motion at low speeds he had to slip the clutch continually. Even then the whole business went off like a shot every now and again.

He could not tell what was behind him unless he turned his head clear around, for the yellow celluloid window light in the rear curtain was designed to afford him strict privacy.

There was a stone crusher under the hood. A trail of smoke followed in the wake of the car. The horn was a scream. The headlights revealed every danger point on the tree tops.

Yet that car represented classy transportation just eight short years ago.

One Affects the Other

Balloon tires, in splashing more water, have necessitated some important changes in spring control devices. Motorists who are having trouble with their original spring controls should have the rust removed and the new protective features added.

Did You Know That

If the liquid in the motometer becomes separated the instrument can be restored to usefulness again? Simply insert the lower portion of it in a pan of boiling water. The bulk of the liquid in the meter will then rush upward and meet the portion that has become separated. Upon cooling the meter will be as good as ever.

If calcium chloride is used as an anti-freeze solution and spills over the ignition wires it will cause short-circuits? These will be very difficult to locate since the calcium chlorid will melt when the engine warms up, making it difficult to trace the short.

Two horns cannot be operated from one six-volt battery if they are to operate in series from one button. Connect them on separate circuits with separate buttons, however, and a double horning effect can be had if both buttons are touched simultaneously.

Tell by the Smell

There is a way to tell whether the used car dealer has doped the gasoline with ether when giving a demonstration.

Under pretext of wishng to hear how the gears sound in reverse the prospective purchaser should back up briskly. The exhaust fumes that would otherwise float off in the wake of the car then drift into it.

If the gas has been doctored the smell will tell.

The Old Mechanic Says

One of the things most car owners can't seem to get through their heads is that most repair shops are not equipped to rebuild cars. There is a big difference between repairin' and rebuildin'. This difference is sometimes measured by the big bills owners pay for unsatisfactory rebuildin' jobs.

I'll give an illustration that happens to be in my mind. John Smith down the way began to worry about the loose pistons in his motor. He could only hear them slappin' when he tried to hear them, but things were not right and Smith knew it.

One day he came to me for an estimate on havin' the pistons replaced with new and oversized ones. I looked the situation over and told him the whole job would cost about a dollar and a half.

That nearly took him off his feet. I explained that about all he needed was six quarts of heavy oil and a determination to forget his trouble for at least another ten thousand miles. But, of course, that didn't satisfy him. He wanted new pistons, and some mechanic was eager enough for the work to make a comparatively low estimate for the job and get the order.

That was a month or so ago. Smith now has a complete new set of pistons, but he's got a new slap—one that seems to be even more serious than the first one. All that mechanic did was to order any oversize pistons he could get, regardless of whether they fitted. Out at the factory they make a selection from a stock of pistons and make sure they all balance and are of exactly the same size.

The owner—I'm still speakin' of Smith—was also surprised to find that the car eats up more gas now that the new pistons are in. But that was because he didn't figure the cylinders would have to be rebored, thus makin' them larger. It would have been cheaper for him in many ways to have taken my advice.

Right off the Hood

Seven towns in Illinois objected to having the state run trunk highways through them ths year. No tin-can tourists and transcontinental speeders for these folk.

Several automobile clubs are investigating charges that bootleg gasoline is being dispensed from tanks bearing well-known labels.

There is little ado about it, but the long-heralded carburetor that would gasify kerosene is already at work on some 18,000,000 automobiles.

When plans for the new model went wrong the Ford factory found its production limited to 10,000 cars in August. How the machinery must have enjoyed its vacation.

A new six has taken the place of a famous four. A new straight eight supplements a bigger straight eight. A new six is outselling a V-eight that was unique of its kind. A lighter six together with a current six will call for the demise of another famous V-eight. A manufacturer of sixes is cleaning up with a new four. How restless these manufacturers be.

Three Sources of Carbon

Carbon originates in three different ways. So much has been said on the subject of late that car owners are tempted to believe that any one of the three is the biggest factor, depending largely upon what what sort of advertising literature has been read.

Carbon comes most naturally to an automobile engine through the combustion of the fuel. The better the combustion the less residue ash or carbon, whatever one chooses to call it, will remain in the engine.

The decomposition and burning of lubricating oil that leaks past the piston rings into the cylinders is a second source of carbon.

A third source is the dirt that enters the engine through the carburetor.

Which source of carbon is the more pronounced depends largely upon conditions. No two cars will carbonize exactly alike.

Do Preliminaries First

In giving the engine a few turns with the hand crank each morning as a means of limbering up a stiff motor and filling up the cylinders with gas spray it sometimes happens that the owner will forget himself and switch on the ignition before giving the battery a lift. This is risky. Careful owners make it a rule not to unlock the ignition until they have gone through the preliminaries.

Now You Have It

(Answers to last week's questions)

1—Eighty horsepower is required to overcome wind resistance if a car with 10 square feet of head surface is traveling 100 miles an hour.

2—The first official auto road race in America was held on Long Island, April 14, 1900, between Springfield and Babylon.

3—If a spring bolt is not properly greased it will squeak. That is the one sure test.

4—A car can be stopped quicker by using the emergency brake in connection with the service brake, provided the wheels are not locked. If the wheels lock the added effort is of no avail.

5—In order to keep a radiator from freezing down to 18 degrees below zero it is necessary to use a 50 per cent solution of alcohol.

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STAR CARS STILL CLIMB

ANOTHER SPEED RECORD SET UP ON HIGH RUN

Stock Touring Shows Way On Tortuous Mount Wilson Road Which is Annual Event

Another speed record for four cylinder cars was set up by a Star stock touring car in the tortuous Mount Wilson run which is an annual event for southern California motor car dealers.

According to the report received by the Durant Motor company of California, the time made by the Star was 25 minutes 49 2-5 seconds for the nine and a half miles up the famous grade to the summit.

This climb is held under the strict rules of the A. A. A. and only their figures are official.

The best previous official time on record established in 1918 by a higher priced "four was in excess of 38 minutes.

Before the climb started newspaper men of Los Angeles and officials of the A. A. A. checked the competing cars for stock features in order to be sure that every driver had fulfilled requirements of the run.

Bill Weeks of the Durant Motor company drove the Star touring car that set the new four cylinder record, and was highly praised by officials of the run as well as his associates for the remarkable way he handled the car.

Each year this climb attracts unlimited attenton throughout the entire southern section of the state because of its many hazards and tortuous curves. Ordinarily only men who have had a great deal of experience driving this road attempt this climb but Weeks had only driven the road twice before entering this run, and the way he handled the Star was nothing short of amazing.

JEWETT IN BIG DEMAND

SMALLER STATES REPORT ON YEAR'S BUSINESS

Indications that the new Jewett six and Paige six models are in big demand throughout the nation were seen by the distribution department of the Paige-Detroit Motor Car company in early reports from some of the smaller automobile purchasing states in the union which have just reported their registrations of new cars during January, 1925.

Idaho, Iowa, Maine, Vermont, West Virginia and Wyoming all reported an increased percentage of Paige and Jewett cars registered out of the total registrations of all cars during January 1925, over January 1924.

FORD SALES SET RECORD

146,788 CARS AND TRUCKS IS NOVEMBER MARK

All records for early winter Ford sales were broken during November when 146,788 passenger cars and trucks were delivered to retail customers in the United States. This is an increase of approximately 25,000 over the November sales a year ago.

Another evidence of the popularity of the improved Ford passenger cars is shown in the enrollments in the Ford weekly purchase plan which have risen to unprecedented numbers. During November a total of 31,425 persons enrolled under the plan and began paying on cars, more than twice as many as enrolled during the same month last year.

As the holidays approach deliveries of cars to customers who have been buying them under the weekly purchase plan are increasing. Some began paying on their automobiles as long as a year ago, others during the early spring and summer months, long before the improved Ford types were introduced. All now benefit in the convenience and comforts afforded by the improved cars and their increased value, without any additional cost.

The kind of mother who used to say her twelve-year-old daughter was six, so she could travel on half fare, now says she's sixteen, so she can drive the car.

Motto for auto drivers. "Live and let live."

A terrible automobile accident reported recently was the breaking of a strand of beads in a man's car just the day before his wife returned from a visit.

Sign on Flivver: 100 per cent A Merry Can.

The fool driver was sure he could make it ahead of the train. He came within a yard of getting over in safety—a grave yard.

A man tried to arrest a careless driver and now bears the mark of a diamond tread and a vacuum tread tire on his leg.

The more traffic, the more rules; the more rules, the more violators thereof.

Oh, salesman, I hate to disturb
Your calm that is greatly admired,
But my flivver's out there on the curb
And the parking time's nearly expired.

Home is where the family and the automobile ain't.

Two things at least thieves will not steal—your character and the car you cannot get insurance on.

Sermon of four words on the rear of a Ford: "Come on by, fool."

A toast: Here's to your car and my car—may they never meet.

Ford could name his cars Pyorrhea now, Four out of every five has one.

Auto-suggestion is now being used to prolong life. And the best auto suggestion is not to drive more than twenty miles an hour.

Civilization: A church, a schoolhouse, a parking problem.

A man [illegible] re that smiles at miles and now is complaining because it burst out laughing.

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TREE WASTE CONDEMNED

PRACTICE OF STREET DECORATION IS OPPOSED

The decoration of city streets with large, young evergreen trees at Christmas time, is a useless, wasteful practice, and should be discontinued, according to a statement just issued by the U. S. forest service.

The cutting of small seedling Christmas trees for home use, from thickets where thinning would benefit the forest crop, is approved by the foresters. They point out, however, that trees cut for street decorations are usually thrifty forest youngsters from ten to fifteen years old. A good tree this old, it is pointed out, had much better be left to grow into future sawtimber, thus contributing to the industrial stability of the region.

Decoration with greens and boughs is suggested instead. This would give the same holiday spirit, without the economic waste. It is also suggested that a large living fir tree be selected in one or more of the parks, to be decorated annually as a civic Christmas tree.

AJAX CARS ENLISTED IN PUBLIC UTILITY SERVICE

Many Do Duty as Police Fliers and Emergency Cars

BUILT TO STAND GAFF

Auto in Public Service Bears Brunt of all Sorts of Driving and Handling Abuses

Names of public utility organizations—particularly police and fire departments—are unusually prominent on the roster of Ajax six owners.

Sales department records at the Ajax factory reveal many cases where Ajax cars are serving as police flyers, emergency and service cars, and in other municipal uses.

The reason is explained by Chief of Police H. C. Racine, Wisconsin, who recently purchased two Ajax sedans for use by his police force.

"A motor car in public service," says Chief Baker, "must answer requirements that are much more numerous and exacting than those of a personal car. As a general rule, it must bear the brunt of all sorts of driving and handling abuses. It is subject to continuous day after day driving without a let-up. It is handled by a variety of drivers, many of whom are not considerate of the car's welfare. It is frequently called upon to deliver extremes in speed and power. And in the face of all these hardships, it must always be 'on its toes,' ready to do the job immediately without faltering, for on many an occasion a human life hangs in the balance.

"In our own department, for instance—when we get a hurry call, our cars must start on a moment's notice. We rely on them for quick acceleration that will get us away in a hurry. Speed is indispensable— not momentary flashes of speed, but sustained speed for hours at a time. We also must have perfect safety at this high speed, and brakes we can depend upon for quick and efficient action.

"The main reason why the Ajax was selected for our work was because it is Nash-built. To me, this is an assurance that every one of our most rigid demands will be satisfied.

"In the short time we have had the cars, they have done their jobs well. They have been reliable performers, they have shown themselves to be well-built, they are economical to maintain. They seem certain to stand all the 'gaff' we put them to."

OREGON GETS HER SHARE

TOTAL OF $7,755,490.17 FOR ROAD, TRAIL FUNDS

There has been a total of $7,755,490.17 appropriated for Oregon under various road and trail funds since they were established, according to the forest bureau report. This is nearly one-eighth of the total for the entire country, $59,588,330.54. Thirty-two states have participated in the distribution, with Oregon second.

Through these road appropriations the forest service has been a very important factor in the good roads and community development, particularly in the national forest regions, according to forest officers. They point out that the state and communites have profited from these funds, and still have the forests to continue producing future wealth.

Forest officers emphasize the fact that local co-operation is required by the forest service from communities, counties, or the state in road work under the forest highway, section 8, and 10 per cent projects, usually on a fifty-fifty basis. On the forest development projects local co-operation is sought only where the road is largely for community development.

The bureau of public roads in co-operation with the forest service takes charge of location and construction of roads under the forest highway and section 8 acts and the more important of the forest development and 10 per cent projects.

To equip the radiator with a shutter controlled by a thermostat is especially valuable in cold weather. An engine that is designed to run cold enough in hot weather will naturally be cooled too much in very cold weather. An engine that is run too cool uses more gasoline than a warm one to develop the same amount of power.

FUMES FROM THE GASOLINE TANK

Santa Claus Ditches Reindeers and Presents Motor Cars; Autos Chug With the Chimes of Merry Yuletide Bells

Jolly, old Santa Claus entered into a whimsical conspiracy with the local automobile distributors and not only ditched his reindeer convoy but actually engaged in a personally conducted tour of the city where in favored localities he left shiny, new motor cars at the dooryards as tokens of Christmas cheer.

And Old Sol, smiling down upon the scenes of peace and good will, sent his most radiant beams earthward in order to enhance the joys and pleasures which reigned in households where good and useful gifts which took the form of latest model autos gave the merry Yuletide season its true and wonted significance.

Dealers lingering in glowing rhetoric over the record-breaking season in the automotive world dwelt in big figures in enumerating the number of cars which had rolled out of the respective salesrooms to gladden the hearts of recipients as gifts for the Christmas season, but the reporter grew dizzy and his pencil refused to function as the totals mounted up. At all events the list is a formidable one and the eleventh-hour summary in the subjoined articles is far short of the actual number which purred eloquently up to the curbs of happy homes. Suffice it to say that this has been typically in automotive Christmas season.

* * *

The C. L. Dunn Motor company, distributor of Nash and Ajax cars, sold three new machines for Christmas delivery early in the week. "And there will be others," quoth Mr. Dunn. These deliveries were one Nash sedan and two Ajax of sedan type.

* * *

The Hathaway Motor company sold one Graham truck during the week. The Elliott Mercantile company of Veneta was the purchaser. Mr. Hathaway finds Dodge car sales on a 50-50 basis with the record of last year, which was a banner one. He forecasts an exceptionally busy season next year with the new reduced price as an added incentive for motorists to invest in this standard line of autos.

* * *

The present condition of narrow streets, filled with automobiles going hit or miss without proper regulation, we will continue to have accidents regardless of traffic drives and safety first weeks.

* * *

The Benjamin Motor company shared in the generous outpouring of Christmas spirit for the week along the automobile row. Two Essex coaches were delivered, one to Prof Bain of Springfield and the other to Mr. Sand, a commercial traveler. Three used cars also rolled out during the fore part of the week.

* * *

Eleven Oldsmobiles Sold

Eleven orders for Oldsmobiles as Christmas presents was the record hung up last week by F. E. Calkins, distributor for this territory. The models sold were all enclosed cars. Previous sales of six cars in six days, attained early in December, was a mark to shoot at, but the late record eclipses all others in Olds deals. Mr. Calkins reports that the year in the matter of results has been far beyond his expectations.

* * *

Christmas Gifts on Wheels

Five Overlands and one Willys-Knight was the sales record of the Johnson Motor company for Christmas week. The former deliveries included three sedans, one coupe and one touring, glass enclosed.

* * *

The E. C. Simmons company spread Christmas cheer last week when nine Fords rolled out of the salesroom to bring joy to homes and to brighten the days which follow the anxeis of the Yuletide period. The presents were mostly coupes and touring cars. Two Lincolns, also were included in the week's sales and a couple more were booked for Christmas delivery but failed to reach Eugene in time for the occasion.

* * *

Boston Language

It was evening. A stranger approached the motorist.

"Sir," he said, "your beacon has ceased to function."

"Sir?"

"Your illuminator, I say is shrouded in unmitigated oblivion."

"Really, I don't understand you."

Just then a boy shouted—"Hi, mister, your lamp's gorn out."

* * *

The H. J. Bringle Motor company is pleased with the response of the motoring public to the attractions of the New-Day Jewett. Sales of the week included delivery of a special Jewett sedan to Mrs. Chappelle of Villard street.

* * *

C. R. Coy of the Coy-Michael Motor company, with his family, is spending Christmas with friends in Portland.

* * *

Five Chevrolets for Christmas

The Gannett Motor company furnished its quota of Christmas cheer by delivering five Chevrolet cars as merry tokens of the season. Mr. Gannett is spending the holidays in Portland. Subdealers of the company are lining up. The list to date is as follows: Cottage Grove Chevrolet company, Cottage Grove, Oregon. Clark's Service Garage, Oakridge, Oregon; Wm. Kyle & Sons' company, Florence, Oregon; Marcola Garage, Marcola, Oregon; Creswell Garage, Creswell, Oregon; McKenzie Bridge Garage, McKenzie Bridge, Oregon; Leonard Huck, Mapleton, Oregon.

EIGHTY-TWO CITIES MAKE AUTO TRAFFIC STUDIES

(Continued from page one)

accuracy. It represents to some degree the concentration of vehicular traffic in the large cities due to the added number of cars which are brought in from country vacation use.

While some of the increase has been thought to be due to the opening of the schools, this apparently is not a very important factor since the proportion of child accidents did not increase during the month.

The confusion of darkening days at the close of business hours is considered to be an important element in the situation.

Electric Cars Add Comforts

Because the automobile has injured the electric railway by outdoing them for comfort and convenience, the American Electric Railway association is planning street cars with individual leather seats, private smoking compartments filled with electric cigar lighters, linoleum-covered floors, flood lighting arrangements in front, bumpers at both ends, eight-wheel brakes and other motor conveniences.

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30x3½	Fabric	$8.2
30x3½	Regular Cord	$8.9
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31x4	Oversize	$18.0
32x4	Oversize	$20.9
33x4	Oversize	$21.9
32x4½	Oversize	$30.0

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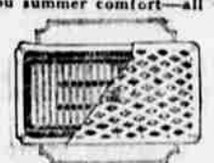

"Waller" Heaters
Real satisfaction is assured with a "Waller" heater—it makes your car warm, comfortable and dry. Including dash control—three types—$9.45 to $18.75, according to car.

"Moore" Car Warmer
For Fords only.....95c

Kingston Heaters
A safe, clean, healthful heat—$3.75, $5.00 and $8.50—according to car.

Radiator Covers
The "Frost King" also covers the motor. It is of long-grain rubberized waterproofed fabric, asbestos lined. Radiator cover only, for all popular makes of cars—$3.45 to $5.40.
Radiator and Engine Covers $5.95 to $10.80

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It will permanently seal the leaks in any radiator—it prevents rust and scale formation and is absolutely harmless to the metal—it is guaranteed.
Small size.....68c
Standard size.....$1.15

Warner Liquid Solder
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Skid Chains, Tonneau Shields, Windshield Wings, Gloves, Robes, Windshield Cleaners, Storage Batteries, "Never-burn" Brake Lining at pleasingly low prices.

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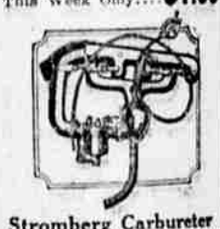
With each pint bottle of Imperial Cleaner and Polish sold at the regular price of $1.00 this week, we will give free, a 5-yard roll of cheese cloth (that regularly sells for 15c)—total value $1.25— This Week Only.... $1.00



Stromberg Carbureter
Here is a real bargain—the genuine Stromberg Carbureter complete with hot-spot manifold for Ford cars. It will increase your present mileage 25% and give the car more power. Price reduced from $15.75 to..... $12.35

De Luxe Top Recover
The outfit consists of weatherproof top cover and back curtain containing a large 6x14-inch bevel plate glass window and gipsy side wings, together with necessary tape and tacks to attach. Prices on sizes for Fords, Chevrolets, Maxwell and Dodge cars are $9.25 to $15.25, according to car. Prices on other cars quoted on request.

Regular Top Recover
For Ford Roadster.....$6.50
Ford Touring.....$6.95

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