THE SUNDAY MOTORIST

An Abridged Magazine for Car Owners

EDITED BY

WILLIAM ULLMAN

...automobile that travels as ...as its speedometer says it is ...wouldn't be a bad idea.

Summing up Congestion

...ration companies are busy ...ing out the cost of congestion ...the obvious idea of scaring ...motorist into leaving his car ...me in the garage.

...has been figured that conges... costs Cincinnati $100,000 a ... Parking in the loop district ...hicago has been figured to cost ...$200,000 a day. In Phila... ...ly $200,000 a day. In Phila... ...la congestion is said to cost ...taxicabs 9.5 per cent of their ...ing time or $2.50 a day for ...cab.

...ile these figures necessarily ...estimated, few will doubt their ...ximate accuracy. What ...ld be interesting, however, ...ld be to learn what these ...gain by reason of the con... ...on which the automobile ...es possible and how much ...ness would be lost if cars had ...move so quickly and stop so ...ly for parking that fewer ...e could do business with the ...hants of the community. ...congestion is such a costly ...r and such a business loss why ...merchants continue to pay high ...als for stores in the congested ...ets?

The Old Mechanic Says:

...lowin' my policy of adoptin' ...ideas from other lines of ...ness I've just added one that ...to appeal to these car own... ...who get excited when any... ...goes wrong. This time I've ...ed an idea from journalism. ...odern scribes have a rule ...lettin' copy grow cold. They ...call a job finished when the ...word is written. Instead they ...the whole business to one ...and come back to it with a ...critical eye later on. After ...ey've ...n out they ...find that what they have ...in the heat of enthusiasm ...thin' more nor less than ac... ...le trash basket contents. ...has helps them from going ...r with the editor and the ...public.

...ybe this seems a long way ...smith's knock in the motor ...own's rattlin' universal joints ...here's a connection between ...writin' and trouble huntin'. ...ig fault in goin' after auto... ...e ailments is in not lettin' ...grow cold.

...hat was the use of Jones ...in' all the way down here to ...me worry over his ammeter ...all he needed to have done ...tap the instrument board a ...times until the pointer was ...from the place where it ...t. Jones was so confounded ...ed over the trouble he didn't ...notice that the ammeter ...ed itself while he was on the ...to my shop!

...ny automobile is likely to have ...ock in the engine now and ...n. Just a misfire will do it. ...then there are a lot of noises ...one only hears now and again, ...though they are always in ...engine. It's just that the ...ers become too conscious of ...works. They get excited and ...ure their trouble is all ready ...offered to the repairer. The ...of the matter is, if they would ...put the car away for the night ...go at it fresh the next mornin' ...would throw their trouble ...y and come down here to have ...oil changed or somethin' ...ally constructive.

Maker's Profit Per Car

...ow much net profit does a ...al car manufacture make per ...? There have been many wild ...es, but obviously few motor... ...know the facts. Net profits to ...dealers are now less of a ...ery because the public knows ...the used car cuts into the ...ts. One car maker, however, ...$114 a car on 169,000 sales in ...first half of 1925.

Honest Criticism Again

...radually honest and fearless ...ism seems to be creeping into ...mobiledom to smash the ranks ...publicity vendors and the ...-advertisers who have en... ...d free sway these many years. ...critic has played a significant ...in moulding affairs of the ...and many believe that his ...on, or exclusion from, the ...ranks may have had much ...with the disorder and con... ...that exists so frequently.

The critic has just stepped into the limelight again. This time in the form of a fearless editorial printed in the Hartford Times, criticizing one of its own advertisers. The advertisement was commonplace. It told of a "record run" of a certain make of car from Hartford, Conn., to Windsor, Ontario, in nineteen hours and twenty minutes. But the criticism was most unusual because it spoke a word for the motorist who really never has seen any point in "record runs."

A few motorists were asked what they desired most in the way of a car, and the common reply was, "Day in and day out reliability." The car criticised by the newspaper covered 866 miles, a large part of the trip being covered at night in the driving rain. Taking no time out for stops the average speed figured 44.79 miles an hour.

The dealer who made this run advertised that the speed of the car was frequently between 50 and 65 miles an hour. As the Times says, "The place for performance of that character is the race track, or a private course, not the public roads used by all and sundry."

When will the automotive industry realize that what the motorist wants is somebody to help him break records for economical, reliable and sensible performance?

More Truth Than Gas

A lot of green drivers are painting the town red with yellow cars only to leave matters pretty blue when they are through.

A women never drives so slowly as when she is explaining to her husband how she happened to hit the other car.

A private garage is a place where father puts his car only to have it more accessible to friend wife, son, daughter, sister and their friends.

Pretty soon the billboard situation will right itself. Everyone will be going too fast to read the signs!

Nowadays it takes an honest man to say whether he has a fast car or a good speedometer.

The man who used to sit on the box now rolls along the highways inside the can.

Did You Know—

That if the car is driven too slowly up a very long easy grade the vacuum tank may go dry? In order to drive slowly in high gear under such conditions the throttle must be kept well open. This if continued for too long a period, diverts suction from the vacuum tank.

That before cold weather sets in the main gasoline tank should be drained off? This will remove any water that has settled at the bottom of the tank and obviate the possibility of freezing on a very cold day.

That spring bolts are benefited by an occasional oiling in addition to greasing? The oil should be poured into the grease gun and forced into the bolts under pressure the same as in greasing. This method is insurance against failure to lubricate parts not reached by the grease which may be too heavy or too hard to get in between every bearing surface.

Changing the Speeds

Every driver knows that by using different gears he can get different results from his car. Low gear for power. High gear for speed. Second gear for safety downhill. Why, then, overlook the possibilities of changing the speed of the car in high gear? Even greater range of results is possible, as any driver will discover if he tries it.

What's The Answer?

1—Is there anything to be gained by endeavoring to get rid of a piston slap by trying one new piston?

2—Why are not the exhaust valves of all engines larger than the intake valves?

3—How can the average owner tell whether the bearings are tight and the compression high, without getting out of the driver's seat?

4—How much faster than the crankshaft does the camshaft travel?

5—What will cause the ammeter to show excessive charging?

Think these over during the week and look for the answers next Sunday in this department.

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A Fool There Was

The man who didn't know it
was loaded.
The cut-up who rocked the
boat.
The driver who would never
stop look and listen.
The sport who could take it
or leave it alone.
And the motorist who ran his
engine in a closed garage.
—From the Paige-Jewett
Magazine.

Little Tips for Drivers

Lenses Should Be Cleaned.
Oil Motor Driven Horns.
Lighter Oil for Winter.
Keep Water in Battery

Wet streets are hard to illuminate and lights should not only be properly focused but lenses should be cleaned for winter driving. For cleaning lenses and reflectors use a solution of lamp black and alcohol. Apply it with the best grade of absorbent cotton, removing the dust and grit before the solution is applied, working from the center to the rim, never rubbing in circles as the silver surface of the reflector will scratch and become dull.

* * *

Horns that are motor driven should be oiled at the ammeter bearings and at all other friction points. It is also advisable to clean the commutator, using the same method as when cleaning the commutator of the generator. A very fine sand paper, 00 grade, is recommended and under no circumstances should emery cloth be used.

* * *

A correctly heated carburetor runs on less gasoline and runs smoother than an unheated one. With colder weather coming on it is advisable to close the shutter on the hot air pipe between the carburetor and the exhaust manifold.

* * *

Dragging brakes are usually the result of insufficient strength of the releasing mechanism, such as the pull back springs. They may also be caused by connections that are adjusted too tightly or by insufficient clearance at the bands.

* * *

If a tire slips or skids when you are making an ordinary stop it is an indication that one brake is dragging or that the brakes are improperly equalized. You can save your tires and minimize skidding by having your brakes properly adjusted.

* * *

With winter months approaching gear shifting can frequently be made easier by changing to a lighter oil in the transmission. This practice will also eliminate the tendency of the lubricant to follow the shaft into the clutch housing.

* * *

The ammeter will indicate any short circuit except one which occurs between the battery and the switch bus bar or in the starting motor circuit.

* * *

When the charging rate is raised above 10 amperes the battery should be filled frequently with water as considerable water may boil out due to increased electronic action.

Tire Makers Active

Demand for high pressure and balloon casings continues unabated and indications are 1925 will be best year enjoyed by rubber and tire makers since the industry turned corner. Continued heavy production of passenger automobiles, busses and commercial trucks presages a large fall and winter demand for tires. Earnings of leading manufacturers in 1925 will be far in excess of those for any year since 1920.

A rich mixture of "gas" from the carburetor costs money. It cuts down gasoline mileage and tends to hasten the formation of carbon. It increases oil dilution so that oil is apt to get by the pistons and foul the spark plugs. Thin oil also means faster wear on bearings.

Transport Bids Out

Ten thousand invitations to delegates from 104 different countries have been issued to the second world motor transport conference to be held in New York city January 11-13, 1926. The meeting will be in session during the national automobile show. The delegates will also be invited to visit automobile factories to study traffic control methods in various cities.

Good roads week will be celebrated January 11 to 16, 1926. During this week the attention of the American people will be focused upon the necessity for the continuation of highway construction.

"Children Will Play, Be Careful," Is Warning

Enthusiastic endorsements from the heads of more than one thousand public schools in Pacific coast states have been received by the Union Oil company of California as a result of its displaying 1500 full size billboards carrying the message "Children Will Play. Be Careful."

Convinced, after a complete investigation, that the accident situation on the Pacific coast had reached a crisis, the company decided several months ago to do its share in the national effort which Herbert C. Hoover, secretary of commerce, is directing. The result was the granting of all the display locations controlled by the organization on the coast to the safety cause.

The "Children Will Play" poster, which is the first message in the extensive campaign planned will remain on display for one month, and will then be followed by a second design, the subject of which will be the closer observation of traffic regulations by motorists. Subsequent messages will strike at other vital phases of the general necessity for greater safety of streets and highways.

Judicious Use of Brakes Spells Your Success as a Hill Driver

The service brake pedal was not placed on a car for a foot rest nor to serve as an outlet for energy engendered by nervousness in mountain driving, states the safety first bureau of the National Automobile Club. Brakes were placed on cars for the purpose of checking speed gradually under normal conditions and suddenly in emergencies, and the proper use of them is another of the things that marks the careful driver. By the careful driver is not meant the "fearful" driver who pokes cautiously along with little enjoyment to himself and is the bane of the other motorists' existence on a crowded highway. By the careful driver is meant the one who obeys the traffic rules, exercises common courtesy on the road, keeps his mind on the race, and who, by some sixth sense, seems to be able to forsee what the other fellow is going to do, to anticipate conditions and be ready to act accordingly.

In city driving the brake must be used frequently, but on the highway the careful driver uses his brake very little and when he does use it he applies it gradually and not with the sudden jerk which is so destructive of bands and tires.

But it is in mountain driving by the inexperienced that the brake receives the most abuse. Instead of shifting into intermediate or low on steep hills, the "rookie" wears out himself and the break in holding back the heavy car which in the hands of the careful driver holds itself back.

The excessive friction caused by braking cars on steep grades frequently sets fire to the bands, causing them to be destroyed. The writer has met cars on mountain roads whose brake bands have been burnt up and the driver has had to learn through necessity that a car can be held back by compression. Learn to use your brakes judiciously, and, on heavy down grades, spare them where you can by making the motor do the work. When you need brakes you need them badly, and if you suddenly find that they are gone you are out of luck.

Lower Prices With Tax Repeals

According to the National Automobile chamber of commerce, lower delivered prices on all makes of automobiles and commercial vehicles are guaranteed by the car and truck manufacturers of the United States as soon as the federal war excise taxes on motor products are repealed. This will mean an average reduction of $29 on every passenger car sold.

NEW STORE
NEW MERCHANDISE
LOW PRICES!

Fisk Tires

30x3½	Vol Cord	$8.55
30x3½	Massasoit Cord	$9.50
30x3½	Fabric	$8.25
30x3½	Over Size Cord	$16.95
31x4	Over Size Cord	$18.75
32x4	Over Size Cord	$21.50

Balloons

29x4.40 S. S. $18.00

T. N. Dunbar Co.

34 Ninth Ave., West

OPENING ANNOUNCEMENT

Woodruff's Nursery

have established a downtown display and salesyard where we will carry a complete line of fruit and all varieties of nut trees, including English walnuts; ornamental shade and parking trees. Rose bushes, flowering shrubs, evergreens, climbing vines and small fruit plants.

WE SELL FOR CASH, ONLY, AND THE PRICES ARE VERY ATTRACTIVE

CITY SALESYARD

173 East 9th Street, Across from Quackenbush's Hdwe. Store

See Moody and See Better

EYE STRAIN—makes inefficient workers.

THE RIGHT GLASSES—makes workers efficient.

EFFICIENT WORKERS—enjoy the best positions at the best pay.

OUR GLASSES—will add rather than detract from your personal appearance.

OUR GLASSES—will increase your efficiency to do better work at better pay.

Dr. Sherman W. Moody

OPTOMETRIST ~ EYESIGHT SPECIALIST

881 WILLAMETTE ST. EUGENE, OREGON

SERVICE AUTO-LITE STATION

ELECTRICAL SERVICE STATION

Are Specialists in Their Line

They have a real work to perform in the community and deserve your patronage. It is good judgment on your part to take your auto electrical work to people who know.

BRAKEL AUTOMOBILE ELECTRICIANS WHITE

Cor Ninth and Olive Telephone 1619

"Send One Over"

A solid trainload of 104 Graham Brothers Trucks was shipped recently to six Dodge Brothers Dealers in Florida. Ten days after arrival every truck had been sold—and more were on the way.

This is an exceptional record—but it illustrates an important point.

Business men need no longer feel that they must devote valuable time to investigation of trucks before making their choice.

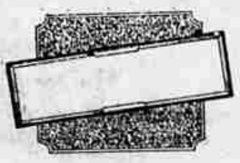
The remarkable record of Graham Brothers Trucks has reduced an important buying problem to the simple expedient of asking the Dodge Brothers Dealer to "send one over."

Hathaway Motor Co.

F. M. HATHAWAY, Prop.

GRAHAM BROTHERS TRUCKS SOLD BY DODGE BROTHERS DEALERS EVERYWHERE

Auto Accessories *make* Ideal Gifts



A Practical Gift

Interior mirrors eliminate the necessity of looking back while driving—several sizes and models from which you can choose. Priced from 95c to $2.95.

Very Useful

The powerful ray of light from the "Darsie" spotlight picks out street numbers, street signs, ruts and bad spots in the road. Its beautiful design lends grace to the car—only $7.50.

Other Spotlights $3.45 to $13.00.

For your friends and relatives. Auto accessories are in use all year—a lasting remembrance, a constant reminder of your thoughtfulness. Auto accessories are enjoyed by the entire family. Auto accessories serve a practical purpose—they add to the safety, comfort and economy of motoring.

From "Western Auto's" complete stocks you can select something which comes within your budget. Your gift will be packed in a Christmas package.

"Klassy" Step Plates

—of solid aluminum with heavy barred rubber mat center. Per pair, only $1.50.

Other Step Plates $1.15 to $1.95.

Windshield Wiper

Hand Cleaners, 45c to $1.95. Automatic Cleaners, $2.55 and $3.35.

Electric Cleaners.........$6.50

Boyce Motometer

$2.90 to $12.75, according to size.

Flower Vase

$1.35, $1.85 and $2.65, according to style and quality.

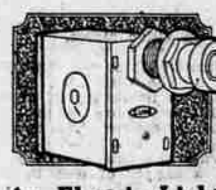
Flashlights

90c to $2.95

For Those Who Smoke

The "Smithkit" has 3 compartments—cigarettes, matches and ashes. Special spring attachment releases one cigarette at a time. Fastens on the dash board. Price $2.15.

Other Ash Receivers $1.35 to $3.15.



An Electric Lighter

Simply draw the cord forward and light up. Eliminates match scratching, scattered matches, burned fingers, clothing and upholstery. Cuno E-Z-On (no holes to drill) only $3.00.

"Handy" Cigar Lighter, $2.55.

This Week's Specials

"Day-Night" Clock

An accurate yet inexpensive timepiece that will be appreciated by all car owners. Fits on the dash board. Radium dial enables night and day readings. Reduced this week to........ $2.60

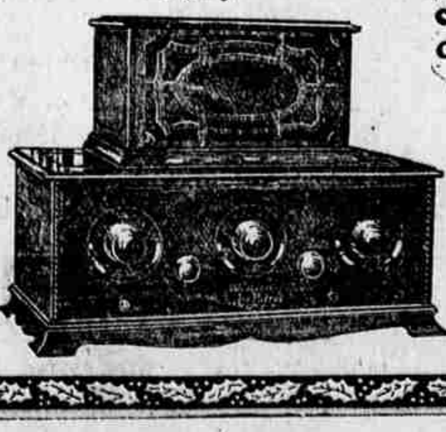
"Leader" Spotlight

A popular, dependable spotlight that can also be used as a trouble light. Complete with bulb. Reduced for this week to.... $1.75

Western Air Patrol

"Radio as you want it"

Tone, Volume, Selectivity, Simplicity, Beauty



The Gift for the Family

Radio It brings happiness and Christmas joy all year round . . . it brings homes closer together—tightens home ties . . . it opens the doors to the world and brings to the home all that is clean and wholesome—the best in music and education . . . it brings the news, the sermon, the lecture, the concert, to your home . . . it makes tedious home tasks easier . . . it is the one gift your loved ones have wished for,

$110.00 COMPLETE

Convenient Terms Can Be Arranged

If you can't drive in

664

Western Air Patrol

is a set they will be proud of. Beautiful in appearance and tone. Simple to operate. Noted for its selectivity. Designed to give you radio as you want it.

Our price of $110.00 is complete. Nothing else to buy—installed in your home ready to attach to your outside aerial.

Reserve your set now to insure Christmas delivery.

-More than 125 Stores in the West-

Western Auto Supply Co.

Corner Sixth and Willamette Eugene, Oregon