

# AUTOMOBILE

## DIRECTORY

### DRIVERS SHOULD KEEP RADIATOR CELLS OPEN

Haynes Automobile Company Issues Bulletin on Motor Car Cooling System.

To secure the best results from a motor car cooling system the owner should take care to keep the radiator cells free from foreign matter, particularly when he is driving over muddy roads, or on dusty highways, is the text of the latest technical bulletin issued by the Haynes Automobile company.

If the trip is at all long, the accumulation of dust, dirt and mud pellets, driven to a lodging place by the motion of the car, seriously impairs radiation, by retaining the heat the radiator core would ordinarily dissipate in the air. An examination of only a limited number of motor cars will reveal radiator interstices that are so tightly packed with particles of earth that they can play no part in reducing the temperature of the water system.

The quickest and best way to correct the evil is to play a hose with considerable water pressure on the radiator for a few minutes at each watering place, and the ability of the car to rid itself of its excess thermal load will be accordingly increased. Care should be exercised that the foreign matter is not left clinging to the radiator core as sticky mud.

At stopping places, where it is not possible to take this precaution, merely brushing off the radiator from time to time with a stiff brush or sweeping with a broom will materially simplify the cooling problem.

### Exhaust Echoes

THE central department's motor truck division is complete. It is the first complete unit of its class in the country.

Four companies originally had been requested by Washington from the central department, but with the completion of that allotment permission was given to recruit two other companies.

This was done last week in less than forty-eight hours, and with 70 per cent of the applicants refused.

There are thirty-six University of Illinois graduates in the corps, eight from the University of Chicago, nineteen from Northwestern university, and more than a score from other universities and colleges.

It is expected the unit will be called on to accompany Gen. Pershing to France because of the driving experience of the officers and men. Lieut. Ben L. Maloney, who was promoted from the militia to the regular service on recommendation of the late Gen. Funston, will lead the unit with Col. Daniel McCarthy.

Where the starting crank is not handy and the self-starter fails to work, the motor may be started by jacking up one rear wheel, throwing off the brake, and setting the gears at direct drive. By turning the wheel the motor will be operated in same manner as when crank was used. Caution: Do not lower jack until clutch is neutral.

Manufacturers are beginning to make something attractive out of the rear paneling of automobile tops. Designs have been made for the mica so as to give an indication of what car it is. Either it is the initial of the car name or else a shield or some other trademark device.

Missouri and Kansas have both passed new road laws during the recent sessions of their legislatures, and work under them is already starting. Missouri has made longer steps forward toward good roads than ever in her history.

It doesn't follow because a fellow has spent his spare time reading of the exploits of Daredevil Dick that he will walk up cheerfully and register for conscription.

### PROPOSED WAR TAX TO BOOST THE COST OF TIRES

Sizes and Styles Are Hard to Get and Prices Often Withdrawn.

The tire men are all agreed that tires are bound to be higher and that this is the time to stock up. They have trouble in getting some sizes and styles and on many makes they cannot get a price except for delivery the same day.

One reason for the expected advance is the proposed new tax on tires. If this is passed tires will be advanced at least the same amount the day the tax goes into effect. There is a great scarcity of fabric and prices on this have already advanced over fifty per cent, due in part to the government's large requirements of duck and canvas. The tire factories complain that help is scarce and high and altogether they make out a perfect case why tires will be higher.

#### Cincinnati Race.

The Cincinnati race is to be a 250 mile affair for prize money aggregating \$29,000. A field of thirty starters is reported as assured by the elimination trials, which required a speed of ninety miles an hour to qualify. With the exception of Dario Resta, who insists he has retired, all the American racing notables are on the list.

Read Our Bond Announcement.

### SAXON ROADSTER MAKES RECORD ON COAST TRIP

New Mark Set in Covering First 6,000 Miles of Run.

In the first 6,000 miles of the journey of the Saxon roadster which is blazing a route for the National Boundary highway, the average mileage on a gallon of gasoline up to the present time has been 26 miles.

This remarkable record of economy in fuel consumption has been made every day for the last two months over some of the roughest roads in the country and under the worst weather conditions. The car left Washington at inauguration time and has been going south and west along the rim of the United States, reaching Los Angeles only recently. The trip to date has covered the southern mud roads, the sands of Florida, the alkali of the Mexican border and the mountain trails over the Sierras, and the gasoline consumption has been recorded an averaged for every foot of the way.

#### De Palma to Race.

Ralph De Palma wires from Cincinnati that his entry in the Chicago auto derby of June 16 is now certain and that he will ship his Packard to the local speedway immediately after competing in the Memorial Day race at Cincinnati. The Packard racer, which has won De Palma's affections from the German Mercedes, is an experimental car, built for testing high speed aviation motors.

#### First Aid.

It should be remembered that in the event of running short of gasoline in a locality where the supply cannot be replenished, "stove naphtha" and even kerosene oil can be used if mixed with as large a proportion as possible of the gasoline remaining in the tank.

The one precaution to be observed

is to keep the engine running and keep it hot, even if running with retarded spark is necessary in order to prevent the cylinders from becoming too cool to vaporize the charge properly.

Difficulties with the mixture are sure to occur, but can be remedied by careful attention to the regular adjustments.

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