

Auto Quiz

Answer To Last Week's Questions
1—High tension current induced in the secondary circuit of an ignition coil requires a voltage of about 25,000 volts to cross an air gap of one-fourth of an inch.

2—A common cause of leakage in a carburetor which has had considerable usage is a loaded float. A hole in a hollow float, so small that the eye cannot preserve it so it cannot rise to the proper level to close off the admittance of fuel through the inlet needle valve.

3—A good solution to protect both interior and exterior of a tire casing is made as follows: To one quart of cold patch cement add a quart of sand and about five pounds of whitening material mixed. Stir well and keep covered when not in use. Apply to the tire with a brush. The above will make a gallon of solution.

4—The differential of full floating axle shafts, which transmit the drive from the main shaft to the rear wheels, and removing in some cases the cover plate at the rear of the housing with the main shaft. The rear wheels or housing of axle and differential do not have to be disturbed.

5—The unit used in measuring the capacity of a storage battery is ampere hour, or current to the amount of one ampere flowing for the period of one hour. Volume or flow of current from a battery is measured in amperes.

6—Difficult shifting into a low speed when the car is at the curb with engine running would be caused by the dry plate clutch having worn fabric on the clutch brake or wrong adjustment of clutch or brake. To make easy shifting, renew the brake fabric, or adjust the brake forward so that spinning of the released clutch member will cease when pedal is depressed.

7—To determine the correct size of gear for the front wheel drive style of speedometer, the number of teeth in the large gear should be twice the number of inches in the diameter of the tire. If larger tires are used, change the speedometer gear to get correct mileage.

8—One cause of humming in the transmission may be a misalignment of engine, clutch and transmission. A strain, and consequently a hum will result if transmission is not in a straight line with driving shaft or true with the clutch and crankshaft of the engine.

9—The average valve setting of over one hundred makes of cars is: intake valve opening 33 degrees past top center and closing 87 degrees late; exhaust valve opening 10 degrees before bottom center and closing 9 degrees late, in any L-head engine with all valve came on the same shaft. It is only necessary to use one of the valve dimensions, or start with the closing of the exhaust valve, and the inlet is bound to be right.

10—The regulation of current output in a generator of a car is necessary as increased speed would burn out the lamps and injure the generator, and charge the storage battery to an excess.

11—When the word "degree" is employed in connection with engine valve or magnet timing, what does the word imply?

12—What are the average gear ratios of four speed transmissions?

13—Are double exhaust pipes and mufflers necessary for eight or twelve cylinder V-type engines?

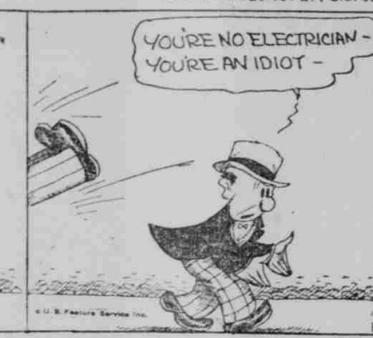
14—What is the purpose of the safety spark gap on a high tension magnet?

15—What is the average setting of spark plug electrodes for various conditions of compression?

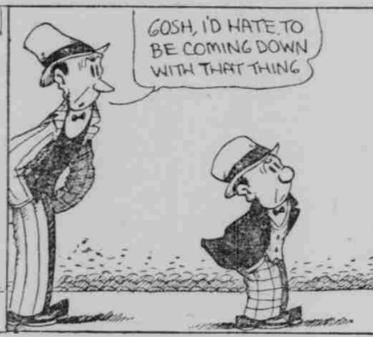
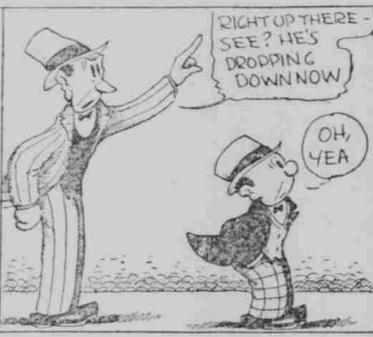
16—With what mixture should exhaust pipes and mufflers be painted?

17—What is a possible effect within the engine of park advanced too far when the engine is laboring uphill?

HANK and PETE



HANK and PETE



DePALMA LOOKS AFTER TRIFLES
Ralph De Palma, daring and popular race driver, believes in starting a race with every bit of equipment able to stand even an army inspection.

18—Where is the differential located in a double chain driven car?

19—What is the difference between a backfire into the carburetor and a backfire in the muffler?

20—How does magneto ignition timing differ from that of battery ignition?

21—What is the average gear ratios of four speed transmissions?

22—Are double exhaust pipes and mufflers necessary for eight or twelve cylinder V-type engines?

23—What is the purpose of the safety spark gap on a high tension magnet?

24—What is the average setting of spark plug electrodes for various conditions of compression?

25—With what mixture should exhaust pipes and mufflers be painted?

26—What is a possible effect within the engine of park advanced too far when the engine is laboring uphill?

Lady the other day almost lost her dog when he was fanned off while the machine was doing an aerial stunt and the dear little thing was drug eight blocks. He looked like a sure enough piece of bolensia and the physician who was called to tend the injuries remarked: "Oh, ain't he appetizing?" Needless to say this physician lost that case then and there.

Hammond minister tells about going to the rescue of an automobile wrecked in a ditch alongside a road near Hammond. Approaching the unfortunate machine in a helpful mood he asked the victims if they needed any help. Someone responded: "No, keep your hands to yourself." The minister then passed on and whispered to himself: "Guess that's not a wreck after all."

Keep off the road to Michigan City around the lake—headline reads. Sax, Mister, you didn't imagine we could keep on it, did you? Automobileists say the road via Valpo gets you there an hour sooner, although it is twenty miles longer.

Autoists will rejoice when the cementing of Plummer avenue is completed. Thanks to whoever is responsible for this noble act toward the public good, we suppose you kind sirs that we are grateful for one more street that we can travel without doing acrobatic stunts.

When about to roll to the starting line of a contest, Eddie simply turns his cap around with the peak to the back, ties a silk handkerchief around his neck for use in wiping his face from his goggles, pulls the eye-protectors down and is then ready to pit his wits against the field at 100 miles an hour.

No one-piece racing suits, helmets or leather leggings for O'Donnell. Working trousers and khaki shirt are good enough for Eddie, racing is all in a day's work, and when it's over "Nonchalant" Eddie smiles quietly and says, "Where do we go from here?"

THE WAY THE TRAINS MOVE ALONG through the loop district you would think they were afflicted with locomotor ataxian, they move so fast it looks like they are really going somewhere, then comes a sudden stop and a lunge forward—just like a busy crawfish. Motorists are apt to lose their patience and crowd the train on such occasions, but rather than injure railroad property it would be more expedient to take up a collection and ask the nearest brakeman to cut the cars.

Hammond streets are too rough for your poodle to ride on the running board.

Radiatoritis is a new disease that seems to be prevalent among automobiles. This new disease manifests itself about like asthma in the human being. A clinic is being held to discover the cause of the malady, which confines itself to the radiator only. Radiologists state that in all probability radiatoritis is due to a specific germ

Subscriber writes asking safest way to carry whiskey in an automobile. If through sieve, add one ounce of Vivendou's Lilly of the Valley, let set over night and serve wet.

ten blocks, I would say try the radiator, although we knew of a man who filled his spare tire with the precious stuff, but he had the misfortune to blow out on all four before he got to his destination.

WE SAY

—if better painting, topping or trimming could be done anywhere in Northern Indiana, it would be done at the

Auto Customs Shop

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Exide BATTERIES

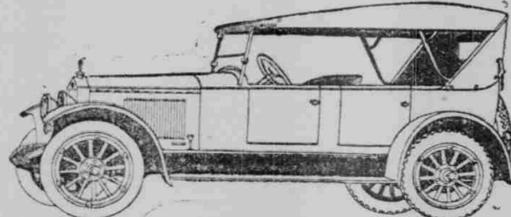


Measure by Your Purse If you are like most of us, you are apt these days to measure things by your pocketbook. And you have a right, therefore, to expect more than the ordinary service from an Exide Battery.

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