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Items of Interest

Mr. and Mrs. R. H. Mast, Sr., Mr. and Mrs. Mast, Jr., and Miss Lita Mast made up a party going to Eugene last week by auro. Mr. Mast was taking his son and daughter out to enter the U. of O., and the Mesdames Mast went along to keep their better halves in the road. The trip was made in a day each way going out Thursday and returning Friday the old Coos Bay wagon road being the route taken to and from the valley. Mr. Mast reports that thoroughfare in very good condition except the rough part through the canyon. The interior roads are also good, and the work being done on the Pacific Highway in the canyon this side of Cottage Grove is resulting in a fine route through that section. Mr. Mast returned through Eden valley and loaded up with peaches, which he says are plentiful and fine in the valley. He says that his new Dodge car behaved pleadidly, and no mishap occurred on the trip-Coquille Herald.

The many friends of J. M. Thomas the well known and efficient game warden, are having a good laugh at his expense, since a government inspector found his boat on the bay Sunday without the necessary number of boat is a little pleasure craft which

-Coos Bay Harbor

J. C. Savage formerly publisher of the Sentinel, who left here last De- at the top of the explosion stroke. cember to try farming in Florida, "A recording thermometer used in which did not come up to all the specifications, reached here Tuesday afternoon. His wife and baby will remain about a month longer at her old 250 degrees F., and the average during home in Minnesota and then rejoin him. Mr. Savage tells us that his sister, Miss Grace M. Savvage, who in the cylinders and are not those of left here a month ago for her old home the cylinder walls. There is a greater in Iowa has taken the position she difference between the temperatures used to fill in the church work there of these two. As long as the water is and does not expect to return to Ore- not boiling we know that the temper-con-Coquille Sentinel.

> Judge Skipworth sitting last week at Coquille gave an interesting decisiion regarding the having of elk's horns in one's possession. In the case of Jordan Schapers charged with having elk horns, he directed a verdict of and without doubt is very greatly danot guilty, holding that the law was not valid.

The Game Warden will hold the elk horns seized from Schapers and District Attorney Liljeqvist says that the case will be taken to the Supreme Court for a decision here.

culated, ever since work on the bridge across the bay was commenced, that ne Coos Bay line to Eureka. The ru- It is well known that an exceedingly mors were always denied by S. P. officials, but nevertheless the last rumor circulated last week, seems to be bounded on something more substantial than wind-Coos Bay News.

INTERESTING POINTS ON THE SCIENCE OF LUBRICATION

Few motorists know what lubrication really means or can tell just what happens when the oil strikes the hot cylinder walls and how it is affected. A article by Lieutenant G. S. Bryan, U. S. N. published in the February Journal of the American Society of Naval Engineers, throws considerable light on the subject. He says in part: "The lubricating value of an oil is due to the fact that when the surface of the cylinder and piston are separated by a film of oil the fiction of these two metal surfaces is eliminated and the friction that remains is only that occasioned by the sliding action of the molecules of oil past each other. In other words, it is same as if two layers of oil are sliding past each other, and the friction that occurs takes place inside the oil film and not on the surface between the film and the metal. In other words, we have a dual film-oil working against oil.

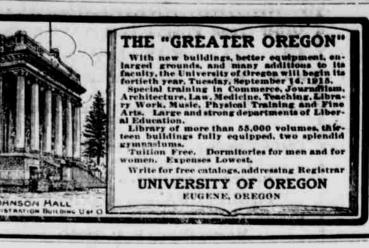
'Under the conditions of high rubbing speed and small piston ring pressure that are generally found in motor cylinders, light oils, such as are used in turbines, would probably give the most efficient results if it were not for the high temperatures encountered in the cylinders.

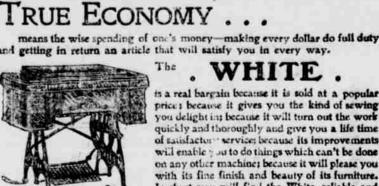
"Before discussing the effect of life preservers and overloaded. The these high temperatures, it will be well to determine just what they are. his son Ed. Thomas had taken to give Recent experiments abroad have a party of friends a ride on the bay shown that the maximum temperature attained in an internal-combustion engine is about 2,700 degrees F., This is the maximum and is obtained only

the above investigation showed that the maximum temperature was about 2,700 degrees F., the minimum about a complete cycle about 950 degrees F. These temperatures are those of gases ature of the wall is little, if any, higher than 267 degrees F. "It naturally follows that the inner

and outer surfaces of the oil film will be exposed to quite different conditions. The inner surface is exposed to the high temperature of combustion maged thereby. Theouter surface is exposed only to the comparatively low temperature of the cylinder walls, and with a film of any appreciable thickness would be protected from the heat due to low conductivity of this film. 'We can consider the film as consist-

ing of two layers, the function of one Reports have been occasionally cir- of these being to furnish the lubricattion and of the other being to withthe S. P. intended extending the Euge-and to protect his lubricating layer. stand the destructive action of heat thin layer will furnish lubrication, and iti is probable that the greater part of the thickness of the film is used up in giving the requisite protective action from the heat. At any rate, the part that we must look to for lubrication is that part having the lowest temperature, which is the very thin layer next to the cylinder walls. "Lubricating oil does not burn very easily or very fast, however, and time given for it to burn in a motor cylinder dolly. is very short. Under the intense heat however, the inner surface of the oil film will be vigorously affected. "Some oils from a thick, viscous, gummy deposit, which retains the car bon formed on its surface and prevents it from being blown out through the exhaust. This gummy deposit gradually gets thicker and harder, eventtually forming the hard carbon deposit so well known in cylinders. "Oils made from asphalt base crudes have shown themselves to be much ow of R. P. Hempel, Defendants. better adapted to motor cylinders, as far as their carbon-forming proclivities are concerned, than are the paraf. Hempel, one of the above named define-base Pennsylvania oils. The car- fendants: bon formed from the latter is, as a rule, extremely hard and clings to the you are hereby required to appear and former is soft and can easily be wiped you in the above entitled suit within been boiled. Put in a stone jar and sideration of the nature of the nature in six weeks of the 24th day of Augadd the fresh, infertile eggs as you of the hydrocarbons composing the ust, 1915 and if you fail so to appear gather them. Always have at least oil, and it has also been demonstrated and answer on or before the 5th day "The explanation lies in the fact day of time preseribed in the order Water glass eggs are practically that the parraffine-base oils are gene- for the publication hereof, plaintiff as good as fresh eggs for most cook- rally composed of the paraffine series will apply to the court for the relief ing purposes. Itis desired to boil of hydrocarbons, while the asphalt- prayed for in the complaint, a suscinct base oils are composed mainly of the statement of which in: a judgement large end of the shell before placing ethylene and napthene series. One of against the estate of R. P. Hempel the characteristics of the latter two deceased for\$214.80, with 9 per cent series as compared with the paraffine interest thereon from October 2nd, glass solution and without this pin series is their tendency to distill with- 1913, \$35, attorney fee, costs and disout decomposition. Consequently Euroments, and for a decree foreclosno gum will be formed on the cylinder ing a mortgage given by R. P. Hempel walls, and the carbon liberated will be to secure plaintiff's claim covering Kalamazoo, Mich .- On the same day mostly discharged with the exhaust land described as SE 14 of SW 14





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The Bandon Recorder

and the

Daily San Francisco

Bulletin

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National Bank First

K. B. Westleader was busy with his movie machine on Central avenue at noon. He snapped the North Bend jitneys in action, showing them loading and unloading and it was oticeable that they all carried full passenger lists at the time. At two o'clock he pictured the fire department, showing the auto truck tearing out at the station answering a call-Coos Bay Times.

W.W. Gage, sheriff of Coos County for a great many years until last election, when he was defeated on a narow magin by Alf. Johnson, is now serving in the capacity of foreman of the jury in the Circuit Court. W. W. Gage is known by every man, woman and child in Coos county, and has more friends than anyone we can metion at this time-Coos Bay Harbobr.

One of the newer and highly satisfactory ways of preserving eggs is by the use of water glass, a liquid form of sodium silicate, which may be ob- metal surface while that from the tained at any drug store. For use in j preserving eggs, put one pint of water off any surface that it is deposited on. glass in 10 quarts of water that has This would be expected from a contwo inches of the solution above the in practice. egrans.

them, prick a smal lhole through the them in the water. The pores of the shell have been sealed with the water hole the expanding air within the shell would burst it.

Evo Jackson found a sister from whom gases." che had been separated for twenty years; helped to relebrate the twentyfirst birthday of Charles R. Olmstend, and shan, to cap the climax, married him. The sister is the wife of Arthur opinion of the judges. A girl, Vern claim in the premises, and for such Brewer, a friend of Olmstead, through Thean Harvey of Marshfield amond up other solid as the Court down proper, whom the sisters trained their kinakig. per sent

In the Better Bables contest at Fis county fair one boy, Geo. Man - . r and for an order of the Court de-Myrtle Point, was found who in-just charlog the interest of you, Ellen only a half per cent of perfection. in Hempel, to be Maferior to plaintiff's

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