

**MOTORING NEWS**

(Continued from page 592)



Dr. A. H. Stuart, whose very informative booklet, "The Running-in of Internal Combustion Engines," is referred to on this page.

**Running-in**

A booklet of great interest and value to keen motorists has just been published by Dr. A. H. Stuart, B.Sc., Ph.D., the well-known technologist, whose photograph we publish above.

Dr. Stuart's book is called *The Running-in of Internal Combustion Engines*, and in it are exposed a number of "comforting fallacies."

Engineers assume an even load spread over the whole surface of the bearing. This, says the author, is wrong. In a new car, where bearings are—relatively speaking—still rough and irregular, minute "high spots" have to withstand pressures amounting to a "truly alarming figure," which may break the oil film at that point and thus produce conditions leading to seizure of the bearing.

The author also suggests the value of a supplementary lubricant which, unlike oil, is unaffected either by heat or pressure.

His claim, borne out by the standard practice of a number of motor and motor vehicle manufacturers, is that oils treated with colloidal graphite will give easier running and reduce wear.

Experiments carried out by the National Physical Laboratory are described, in which a graphited bearing ran under load for long periods totalling 27 hours, during four consecutive days, without oil.

"At no time was there any indication of conditions developing which would have resulted in seizure," he says, "and it was not thought worth while to continue the test longer. It is seldom that test results are as positive and conclusive as these."

This little booklet is written in a manner to appeal to the ordinary motorist interested in improving the efficiency of his car. It can be obtained post free by readers of *The M.G. Magazine* from Messrs. E. G. Acheson Ltd., Thames House, Millbank, S.W.1.

**Congratulations to—**

"Jock" Manby-Colegrave, on his recent engagement to Miss B. Lanyon-Steele. . . .

H. J. Morgan, on his elevation to the exalted position of Assistant Secretary of the Junior Car Club. . . .

E. J. Anderson, popular Competitions Manager of C. C. Wakefield & Co., on the completion of his twenty-fifth year with that Company. . . .

Barré Lyndon, author, on the extreme attractiveness of *The Luck of the Game Again*, an M.G.-produced booklet which presents in most interesting fashion an illustrated account of last year's T.T. . . .

Caracciola, on his stupendous feat in attaining 196.92 m.p.h. over the measured mile on a road. . . .

The A.A. for discovering that 88 per cent. of British drivers switch off, dip or dim when meeting another car at night. . . .

The National Speedway Weekly of America for their good taste in "borrowing" from *The M.G. Magazine* (without acknowledg-

ments!) an article in their issue dated 21st November, 1934, and a picture the following week. . . .

The B.R.D.C. for their recent move to popularise motor racing in general and the Club in particular among the rising generation. . . .

The R.A.C. for pointing out that the new 30 m.p.h. speed limit in built-up areas will not necessarily become universally operative yet awhile. . . .

The M.C.C. for obtaining so many as 364 entries for the "Exeter," including 296 cars, of which 66 were M.G.s. . . .

The S.O.D.C. for promoting a Trial in which not a single competitor earned a Premier Award. . . .

**FORTHCOMING FIXTURES**

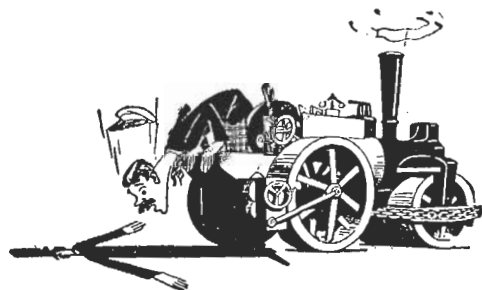
**JANUARY**

- 5—Brooklands A.R.C. A.G.M. and Film Exhibition.
- 6—Berkhamsted & District M.C.C. A.G.M. and Party.
- Austin Seven Car Club First General Meeting.
- 7—M.G. Car Club (Manchester & District Centre) A.G.M. and Hot Pot Supper.
- Singer Car Club New Year Party.
- 9—J.C.C. (Yorkshire Centre) Annual Dinner-Dance.
- 11—M.G. Car Club Chilterns Trial.
- 13—Great West M.C.C. New Year Trial.
- 18—M.G. Car Club (Manchester & District Centre) Annual Dinner-Dance.
- N.W. London M.C. Annual Dinner.
- Kentish Border C.C. Dinner.
- 19—27—Monte Carlo Rally.
- 24—J.C.C. Annual General Meeting.
- 25—Riley M.C. Cine-Dinner.
- 27—Singer Car Club Social Run.

**FEBRUARY**

- 1—Riley M.C. (N.E. Centre) Harrogate Dinner.
- Riley M.C. Harrogate Concours d'Elegance.
- 2—Great West M.C. Dinner.
- 8—Lagonda Car Club Annual Dinner.
- 9—Riley M.C. Winter Trial.
- 15—B.R.D.C. Annual Dinner-Dance.
- 16—Cambridge U.A.C. Trial.
- 22—West Hants L.C.C. Dinner-Dance.
- 23—J.C.C. Tenth Dinner-Dance.
- 24—Pau Grand Prix.
- 27—March 2—Paris: St. Raphael Rally.

**MOTOR TRADE TERMS ILLUSTRATED**



**NO. 9—COMPRESSION!**