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DR. W. L. DAVIDSON, Jr. (page 65) has been working with atoms since 1936, when he entered Yale University for graduate work in nuclear physics. He is co-author of the book "Applied Nuclear Physics" (John Wiley & Sons), a leading text on the subject. As head of the physical research section of the B. F. Goodrich Co. laboratories, he worked on self-sealing fuel tanks for war use.

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New synthetic tire will

OUTWEAR PREWAR TIRES

B. F. Goodrich passenger car tire coming soon

BEFORE these tires had their pictures taken, they went thousands of miles on a test car. They were carefully rotated so all got equal wear. The unretouched picture shows exactly how they looked after the test.

The two outside tires were made of natural rubber with prewar treads—equal in every way to new prewar tires. Note that they were run until nearly smooth. Then observe the still effective tread on the middle tires . . . the new B. F. Goodrich synthetic-rubber Silver-towns. This was one of many tests that have proved the new tires give

better-than-prewar mileage.

These tires are newly designed for passenger cars. B. F. Goodrich builds them of a new, better synthetic rubber—different from the ordinary synthetic in general use by the tire industry. This rubber was also a B. F. Goodrich development. The tire body is stronger too, with a new, stronger kind of cord reinforcement. The tread is slightly wider and flatter.

The tires have had more than 2,000 tests and nearly 17,000,000 miles of all-weather, all-road driving by taxicab fleets, state police departments, and the B. F. Good-

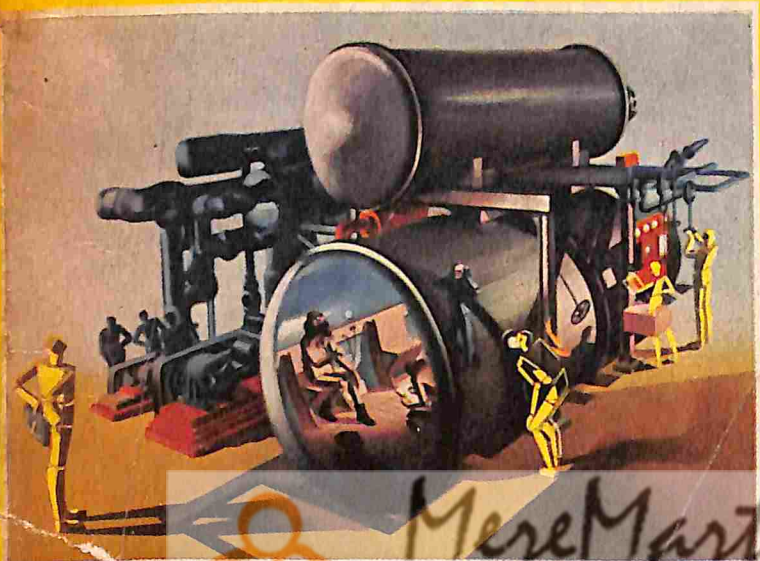
rich test fleet.

When can you get them? We hope to have them in the hands of nearly all dealers and ration-free by the end of the year. If you make your present tires last as long as possible, you may be able to get these new better tires by the time you have to buy. The B. F. Goodrich Company, Akron, Ohio.

Coming soon...from
B.F. Goodrich
FIRST IN RUBBER

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ATOMIC INSIGNIA worn by officers and enlisted men who worked on the war-ending bomb.

MECHANICAL MARVELS as seen by a mural painter. Page 80.

SCALE-MODEL ENGINES THAT WORK.
Kodachromes of miniature machines. Pg. 115.

FLUORESCENT CHRISTMAS-TREE LAMPS.
New brilliance for this year's lighting. Page 120.



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ENGINES BY 1955—P.65