



## 4 Designs For Supersonic Racing Machines

**DESIGN A:** First streamlined layout of Art's present "Green Monster." Arfons revised this version for Design B.

**DESIGN B** is modification of Design A and features a triangular wing system and more streamlined frontal area. This, Art feels, could take him

through the sonic barrier and up to 800 mph.

**C** is a completely new design which Art conceived for ultrasonic runs when speeds climb past 800 mph. The air intake for the J-79 engine has been moved back to the rear for better streamlining.

**D** is Arfon's ultimate design is torpedo-shaped speedster which he believes would carry him past the 1,000-mph stage. "This design is years away, but with the new, light jet engines of the future, the design would be natural."

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The land-speed racer of the future—what will it look like? Firestone artists and racer Art Arfons have four designs for supersonic racing machines.

Arfons, who hopes to break the sound barrier on land in late 1966, is the current world land-speed record holder. He broke the record last October with an average 536.71 mph at Bonneville (Utah) Salt Flats in his jet

streamliner, the "Green Monster." On one of his runs he had an official clocking of 571 mph and unofficially registered top speed of nearly 630.

The sound barrier, broken above ground in 1947, has never

been cracked on the ground. To break through this sonic curtain Arfons feels he will have to run between 700 and 750 mph, depending on temperature and climatic conditions.

**HE BELIEVES** his present "Green Monster," a 21-foot, jet-powered machine, equipped with a special automatic wing that he invented to keep the car stable, is capable of breaking the sound barrier by modifying the body at certain points.

"But when speeds reach the 800-1,000 mph range, I think we'll have to go into some very exotic body designs," says Arfons.

Firestone is now designing and developing tires that will carry Arfons up to 800 mph. The tires basically will be the same size as the ones on which he broke the record—about 30 inches, outside diameter, on a special 18 or 22-inch wheel of aluminum alloy made by Firestone's Steel Products engineers.

### Perry Retired

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rayon processing unit with which Firestone was then associated. This assignment discharged, he was sent in 1946 to a job at Paterson, N. J. with World Bestos, a Firestone subsidiary. He was in charge of weaving industrial materials.

Back to Roanoke in 1948 as engineering foreman, he remained there until transfer to Gastonia. He was made a department manager here in 1960.

### Frank Montgomery

Funeral services for Frank Montgomery were at Pleasant Grove Baptist Church, Bowling Green, S. C., Aug. 21, with burial in the church cemetery.

He retired from Firestone in 1958 after 23 years employment here. Surviving are 3 daughters, 4 sons, 2 sisters, 18 grandchildren and 5 great-grandchildren.

Mr. and Mrs. Perry are remaining in Gastonia for a while, but plan to relocate—possibly in this state or in Virginia. For retirement, he has envisioned "a little place in the country—with maybe some chickens." But some of his friends say he has entertained an ambition to set up a home weaveshop to produce handicraft specialty items. "With his experience at looms, he ought to do well," said one acquaintance.

Succeeding Mr. Perry was Carl Rape, a Chester, S. C. native and Firestone veteran of 28 years. He came here in 1937 as an experienced card tender. He was made first supervisor in carding in 1942 and advanced to overseer in 1958. As department manager, he was assigned the combined operations of carding-spinning in 1960, and in recent months became understudy to Mr. Perry for his present weaving department manager assignment.

## OUR PRODUCTS AT WORK Firestone Tires Equip Some '66 Chrysler Cars

When the 1966 autos are unveiled about the end of September, some passenger cars of the Chrysler Corporation will be for the first time wearing Firestone tires as standard original equipment. Included will be all of the auto production at Chrysler's new Belvidere, Ill., plant.

Plymouth models to be equipped with Firestones include the Fury I, Fury II, Fury III and station wagons. Dodges which will have Firestones will be the Polaras and Custom 880s.

Firestone became a standard supplier for some Dodge trucks on the 1965 models.

"We at Firestone are proud and pleased to provide Chrysler

with tires for many of its fine automobiles," said company chief executive officer Raymond C. Firestone. "We feel this association unites two of the great names in automotive history in what we hope will be a lasting and mutually-beneficial association."

Firestone also supplies original-equipment tires for many other major automobile manufacturers.

The passenger tires for Chrysler will be Firestone's 100-level tubeless, Deluxe Champions in 14-inch sizes ranging from 7.35 through 8.55.

### Women Buyers Like Firestones

If it ever had any notion of producing pastel-colored tires to please the women, the rubber industry can change its plans. It can go right on producing black casings, ornamented often with white sidewalls, and occasionally with a stripe of color.

Women rarely buy tires for the family car, so they might not care whether tires have white walls or not.

In 1963, women of the family decided what brand to buy for just 5½ per cent of the tires bought by American families, while 90 per cent of the decisions were made by men. Women and men together decided for the remaining purchases.

**THE FIGURES** are from a national survey by the Marketing Research Dept. of Firestone, to find out how many tires women buy and if they prefer a particular brand. Conclusions came from a sample of 6,000 tire purchasers. The figures revealed further that—

Males of the family, including

father and son, decided the brand of tire to buy in 92 per cent of the cases, while the women—mother and daughter—made the choice in 8 per cent of purchases.

The women buy 11 per cent of the tires; the men purchase 89 per cent of them.

Despite the indication that women have little say in what tires are bought, Firestone is going to keep up its "red-carpet" service to its fair-sex friends.

"We've always had out the royal welcome sign at our more than 840 company-owned stores and at the thousands of Firestone independent dealers," says R. D. Thomas, company vice president of trade sales.

"We do our best to make women feel at home in Firestone retail outlets. The survey shows they take to our hospitality, for of the women who purchase tires, a big share of them choose Firestones."

### National Anthem 151 Years Old

The verses of our National Anthem were composed 151 years ago this September. The song, expressing America's highest patriotic feeling, had its beginning during the War of 1812 (which lasted until 1815).

In 1813, Gen. Sam Smith of Baltimore had commissioned Mary Pikersgill and Rebecca Young to make an American flag, to be flown over nearby Fort McHenry.

In Sept., 1814 a young American lawyer, on a mission to recover a prisoner, was detained by the British and forced to watch the fort's bombardment.

Francis Scott Key stood on

the foredeck of a British sloop-of-war and watched the English drop cannon shot and canister on the fort all night. In the morning, inspired by gallantry of American resistance, and noting "by the dawn's early light" . . . that "the flag was still there", Key hurriedly wrote the verses, beginning "Oh, say can you see. . ."

He put the words to the tune of an old English song titled "To Anacreon in Heaven."

The Star-Spangled Banner officially became our National Anthem by presidential order in 1916, but was not confirmed by Congress until 1931.

### Preserve Our Resources

America needs outdoor recreation. National Wildlife Federation, dedicated to preservation, enrichment and extension of Nature and her abundant resources, persuades citizens to consider our vital need for outdoor recreation.

"As our population grows and people have more leisure time, open spaces near expanding metropolitan areas become ever more important.

"We must protect and preserve our rivers, forests and seashores. Action now will provide for our own needs and for the needs of oncoming generations. To preserve the American Way of Life, we must preserve America's resources which give us life and material progress."

Anything the average citizen can do for this cause? Yes. For information, write to National Wildlife Federation, 1412 16th St. NW, Washington, D.C., 20036.

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### Think On This . . .

Aunt Lily used to tell her Sunday-school class: "Be patient with the faults of others, because most of them are charitable enough to be patient with you."