

GMI automotive engineering professor Jim Bay has a hobby that does 10 "sph."

way to become a sharp-shooter, because "sph" loading rifles and pistols). stands for "shots per In competition Jim hour.'

Jim Bay is chairman of the automotive engineering department at the General Motors Institute in Flint, Michigan.

On weekends for the past 12 years Jim's been tinkering with muzzle loading rifles. The kind that Davy Crockett used. Jim doesn't wear buckskins (his get-up is more army surplus), but he builds his own rifles (he

Muzzle loading rifles. It made one pictured here), isn't exactly the fastest and collects them (he



hour. Not fast, but Jim's accurate. With his .50 caliber he can hit a 2-inch They alternate six-week circle at a 100 yards. He sections at GMI with paid In competition Jim was 1967 muzzle loading work periods at a GM unit. shoots about 10 shots an champion in Michigan.

under Jim study such subjects as vehicle performance prediction, body design, power transmission, know more vehicle dynamics, and about GMI, structural systems.

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