ENGINEERING NEWS

High performance concept truck trie graces GM stable

Pontiac, MI—They aren't scheduled for production yet, but General Motors is beaming over its brood of high-performance "concept trucks" previewed at the recent New York International Automobile Show.

The Kalahari is a luxury, 4-door edition of the 2-door S-15 Jimmy sports utility vehicle. Underneath the leather upholstery, the 4-wheel drive prototype packs a high-performance powertrain and modified, electronically fuel-injected 4.3 \(\epsilon \) V6. The engine, which turns out 215 net hp and 260 ft-lbs of torque, is teamed with a 4-speed automatic transmillion with overdrive. Like the S-15 Jimmy, the Kalahari features GMC's Insta-Trac system for shifting from 2- to 4-wheel drive and back again at any speed.

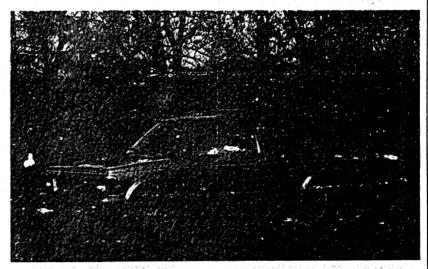
An overhead storage console features a computerized driver information system, including a tachometer-equipped analog guage package. Loading the vehicle is made easier by a plastic and rubber storage platform that can be rolled out of the floor of the rear storage area.

The Syclone, based on the S-15 compact pickup, offers higher performance via a turbocharged, intercooled 3.8 V6—an enhanced version of the Buick Grand National engine. With sequential port fuel injection, the engine generates 270 net hp and 370 ft-lbs of torque. GM spokesmen say the low-riding truck can accelerate from 0-60 mph in under 6 sec; its quarter-mile performance comes under 14 sec at about 103 mph. It boasts an overhead console similar to the Kalahari's.

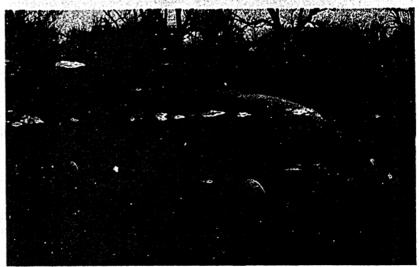
The futuristic Centaur blends aerodynamic passenger car lines with pickuptruck ruggedness. The 4-wheel drive light truck has a one-ton payload capacity, and its 3.0\ell horizontal six engine, with a 24-valve high compression cylinder head, can pull a 5000-lb trailer. An advanced, self-leveling air spring damper system, power 4-wheel steering, and anti-lock brakes offer car-like ride and handling.

The Centaur also includes an experimental 5-speed transmission. GM says it controls the torque split between front and rear wheels without the need for a center differential.

GM has no firm production plans for any of the vehicles, but says their state-of-the-art components may turn up in future designs.







Kalahari, Sycione and Centaur concept trucks from GM, previewed at New York auto show, may be signs of things to come in dealer showrooms.