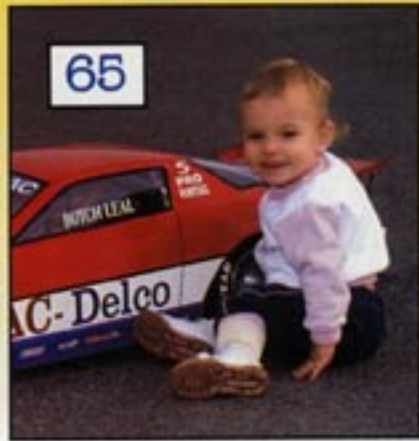


HOT ROD *MAY*

THE WORLD'S MOST WIDELY READ AUTOMOTIVE MAGAZINE



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THE COVER: Wheels and tires are our themes this month and we recruited a number of people to help us out. Craig and Cathy Showers brought their bright yellow '55 Chevy and Bruce Corzine showed up with his brand-new Boyd-built '32 three-window coupe to give us a nice perspective of low-buck to high-tech wheel selection. In addition, a number of wheel and tire manufacturers helped out with examples of their rolling-stock art. All of this came together in the PPC photo studio, captured on film by PPC's talented Lynne McCready.—J.S.

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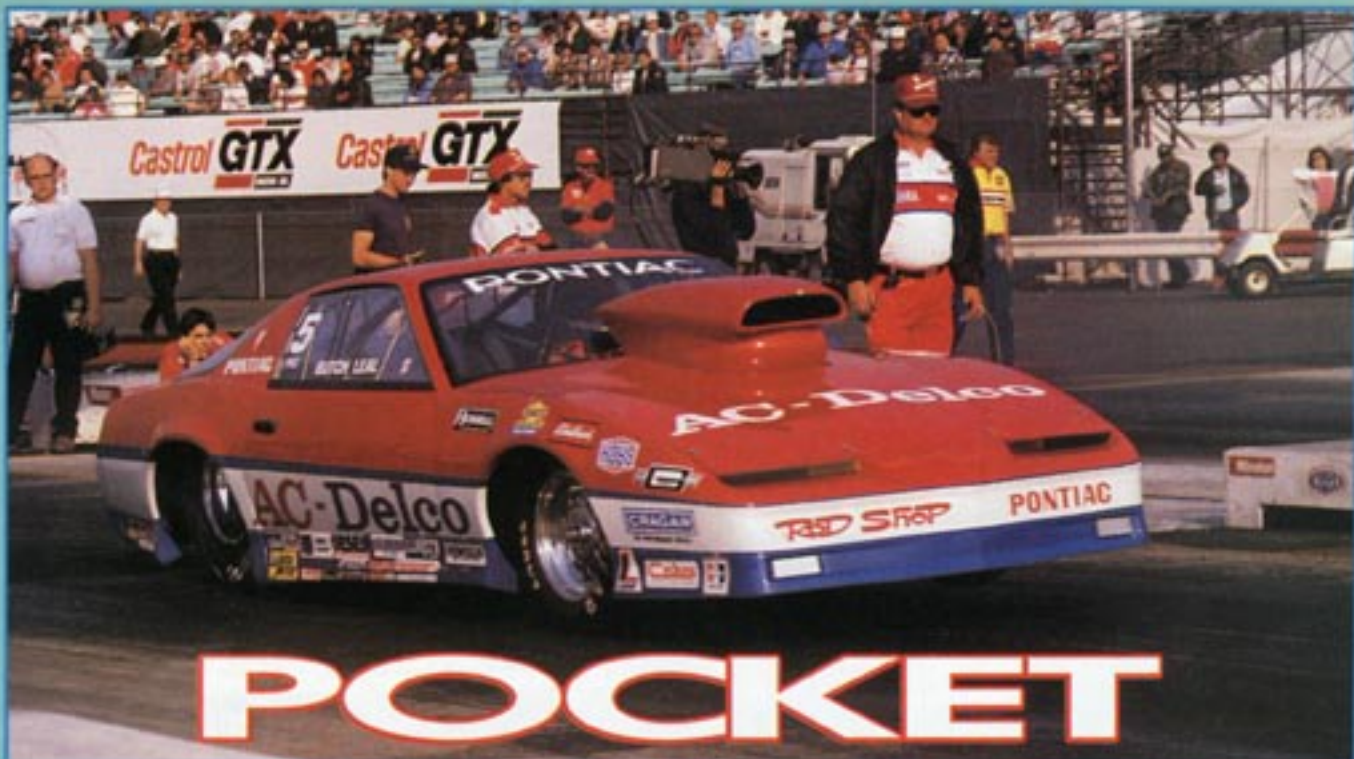
125 PIT STOP

134 MAY EVENTS

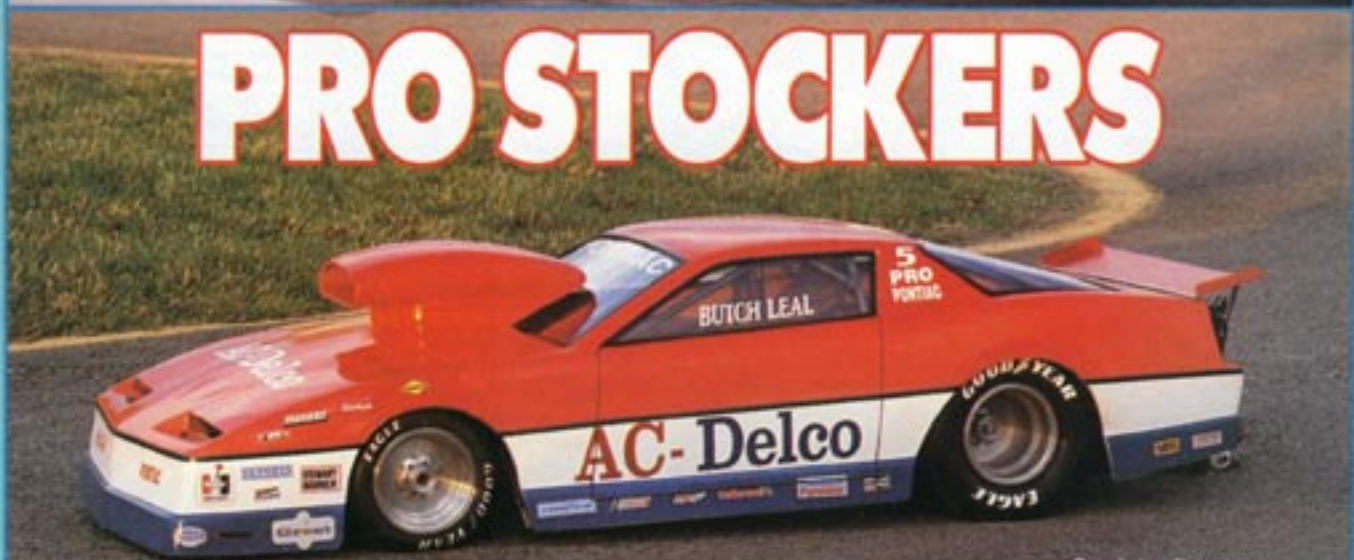
147 SWAP MEET

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POCKET PRO STOCKERS



By John Baechtel

**QUARTER-SCALE, ALL-ALUMINUM RACING ENGINE
KITS FOR
GROWNUPS**



Over the years, we have featured several of Gary Conley's quarter-scale cars that were built to showcase the technology behind his unique quarter-scale, all-aluminum, small-block V8 engines. Some of them were mostly scratch-built; others, like this replica of Butch Leal's Pro Stocker, were built from hobby-industry kits where bodies, chassis, and suspension components were readily



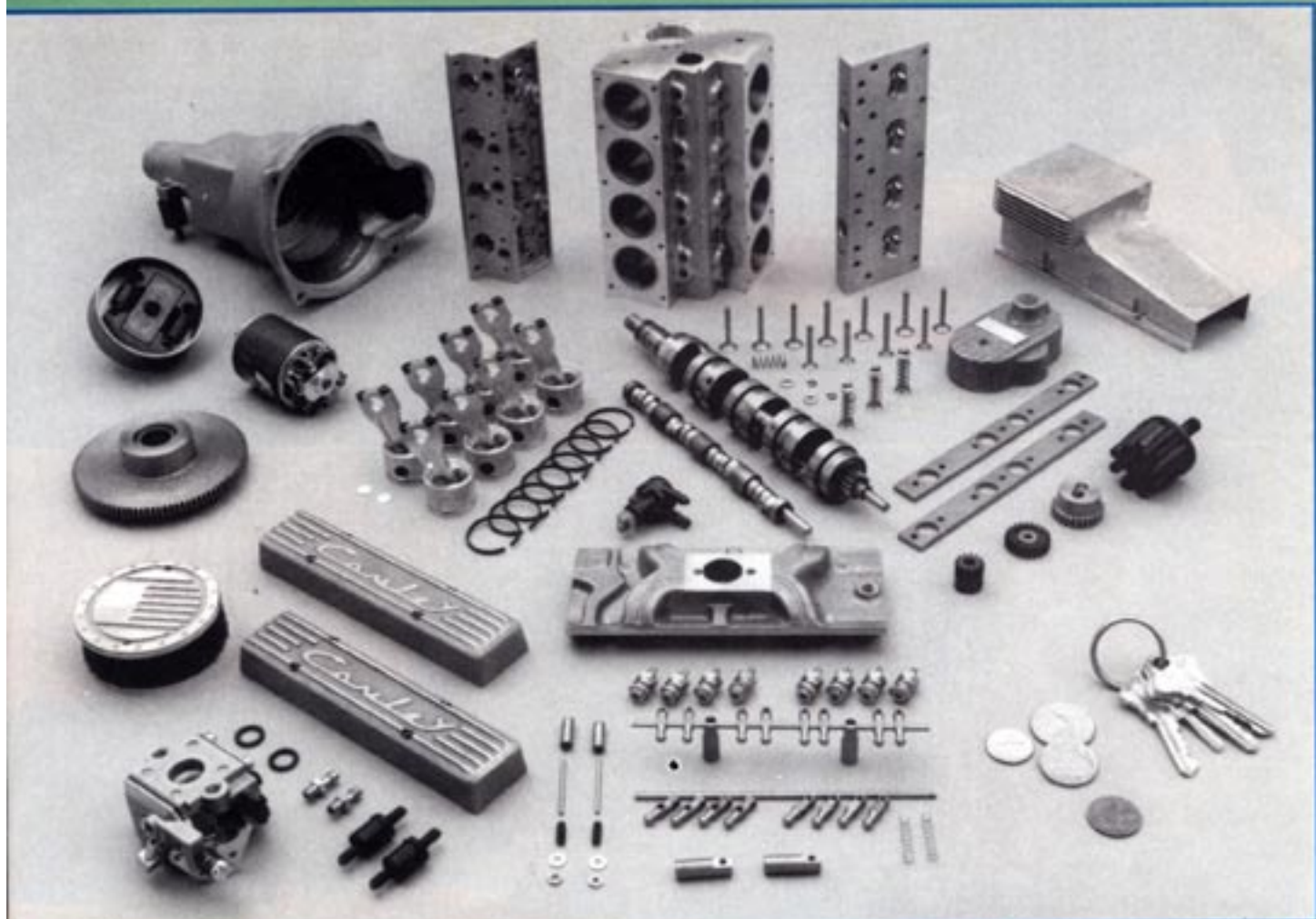
available. While these cars are by no means unique, almost all of them are powered by small, two-cycle chain-saw motors. Gary's cars, on the other hand, add a whole new dimension to the sport by making their presence known with the "rumpy" sound of real, honest-to-goodness V8 engines that actually run.

The Leal Pro Stocker is Gary's most recent creation. It was built from

kit components (see sources list) and is powered by his now-famous V8 engine. Gary now has the engines in fully automated CNC production and available in kit form, hence he felt the need to build a new car to herald the mass marketing of his unique engine.

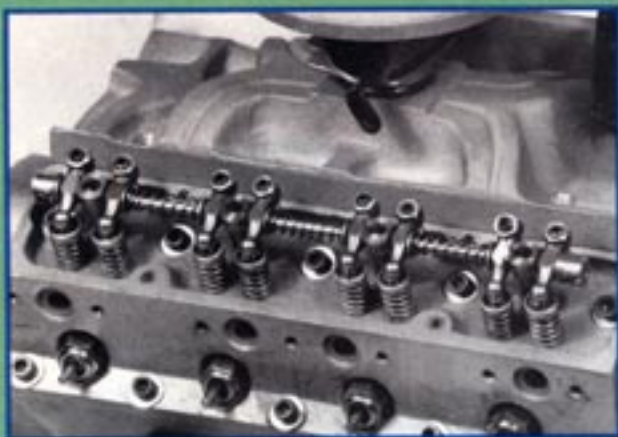
These engine kits are available now from G.L. Conley Engines for \$1695. They can be assembled in less than a day using ordinary hand

tools, and they require no special tools, fuels, or equipment to make them run. Adapting one to your quarter-scale race car is a straightforward task using the many components available through local hobby shops. The engine block features a full cooling jacket and wet-sleeve iron-cylinder liners, a ball-bearing crankshaft, aluminum rods, and pistons. Complete high-performance aluminum cyl-



The Conley V8 engine comes completely machined and the kit includes all the necessary hardware to assemble the engine. Detailed instructions with photographs and drawings are also included.

The high-performance valvetrain uses heavy-duty springs and shaft-mounted adjustable rockers. Glow plugs are used for ignition.



inder heads with a high-rev valvetrain give it plenty of performance, and you'll be absolutely fascinated by the detail and function of this incredible engine.

The 3-cid, water-cooled engine has a 9.5:1 compression ratio, solid-lifter cam, siamese porting, and weighs 4.5 pounds—about the same as a 35mm camera. It makes approximately 2.2 hp at 11,000 rpm and idles at 1800 to 2000 rpm. The engine is five inches long, 6.5 inches tall, and measures a

total of 13 inches in length when coupled with the nonfunctional replica transmission and bellhousing.

The engine also features an electric starter, a runner-style cast-aluminum intake manifold, precision-ground camshaft, a carburetor with air cleaner, rubber motor mounts, a functional water pump, and a centrifugal clutch that engages at approximately 2500 rpm.

Gary's engines are unique in the auto-hobby industry, and it's almost impossible to describe the thrill of assem-

SOURCES

G.I. Conley Engines, Inc.
 Gary Conley
 Dept. HR
 626 Duane St.
 Glen Ellyn, IL 60137
 (708) 856-3190
 V8 Engines
Machesney Park Raceway Hobbies
 Jack and Georgia Henricks
 Dept. HR
 Machesney Park, IL 61111
 (815) 282-1311
 Racing Facilities

New Era Models
 Frank Desumond
 Dept. HR
 25 Main St.
 Nashua, NH 03060
 (603) 888-5858
 Chassis and Bodies
SECO
 Dept. HR
 2329 S. Ota
 Santa Ana, CA 92704
 (714) 548-1558
 Rear Axles

bling one and hearing it fire for the very first time. Little Courtney Pirrello (see photo) seems to think that Gary's Pro Stocker is just about the right size for her. She was discovered checking out the car at her grandparents' scale-model racing facility in Machesney Park, Illinois, and probably couldn't care less what it sounds like. But any self-respecting hot rodder who hears one won't be able to sit still until he's got one for his very own. **HR**