

**FEATURES**

**24 SMOKEY TELLS ALL** No one was more creative in interpreting NASCAR's rules than Smokey Yunick.

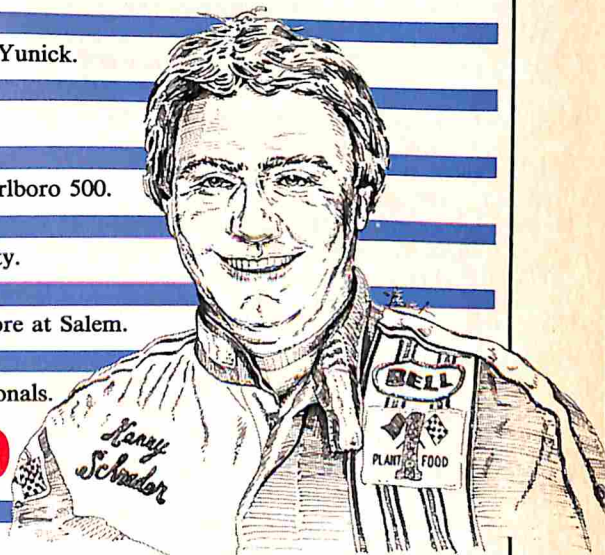
**40 SCHRADER BEATS THE HEAT** The Talladega DieHard 500 marked a first for Ken Schrader.

**54 FASTEST EVER** High speeds, Team Penske, and Danny Sullivan were the story at the Marlboro 500.

**70 CIRCLE TRACK CLASSIC** Warren Wetterlund refused to let this 1960 Shilala Offy fade into obscurity.

**85 DROUGHT BUSTERS** Being away from the ARCA circuit for 16 years couldn't stop Larry Moore at Salem.

**94 BELLEVILLE!** The dirt flew in Kansas the weekend of the Belleville Miller Midget Nationals.



**TECH**

**36 FAST-BURN FANTASTIC!** Combustion chamber shape is key to Chevy's new V8 LT-5 engine.

**48 RUNNING BY THE WALL** Aerodynamic tests show that it's not only how fast you run, but where you run as well.

**60 COATINGS COME OF AGE** Race car coatings reevaluated.

**78 RACER'S WORKSHOP** Blue Max Racing's crew chief Barry Dodson talks aerodynamics.

**88 CARBURETORS BY THE NUMBERS** Carburetor modification techniques for improved track performance.

**98 THE HYDRO-LOCK RACING TRANSMISSION** Bill Gregory's Midget and Sprint car transmission weighs just 19 pounds.

**102 SUPER SNOOPER** Borescopes, optical diagnostic instruments, allow quick inspection inside your engine.

**104 CORNER SCIENCE** Understanding tire-cornering efficiency will go far in explaining race car handling.

**110 PIT TIPS** Included are low-buck ideas on how to scrape dirt off your racer and stop small radiator leaks.

**112 TRACK TECH** Smokey Yunick answers your questions on boost vs. manifold pressure, buffing bearings, and much more.

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**COVER PHOTOGRAPHY:**  
Randy Lorentzen.



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## CIRCLE TRACK

**AERO SCIENCE:**  
• LIFT & DRAG  
• RUNNING BY THE WALL

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RULE-BENDING  
**SMOKEY  
TELLS ALL**

**RACE COVERAGE:**

- Talladega
- Michigan
- Belleville
- Salem

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