

FEATURES

- 19 Incredible Indy** The 70th running at the Brickyard was picture-perfect.

- 23 Hell Week** Gasoline Alley's hottest, most helter-skelter moments happen in the days before the race.

- 30 Smokey on Indy** The inside track as seen through the eyes of a master.

- 33 Charlotte 900** The Coca-Cola 600 plus the Winn-Dixie 300 equals sheer racing entertainment.

- 40 Gasman or Gadfly?** Outspoken Tom Sneva: a critical veteran of the sport.

- 64 Basic Training** A back-to-school primer on race courses and courses on racing.

- 82 Circle Track Classic:** Bertha remembers her days of glory with Darrell Waltrip.

- 86 Lost Art** Joe Gertler preserves the tradition of hand-crafted race cars.

TECH

- 52 N. D. T.** Non-destructive testing detects component fatigue—for less money.

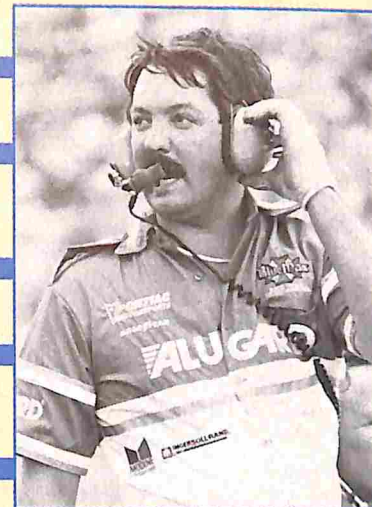
- 58 Racer's Workshop** Harold Elliott shares some secrets of cooling systems management.

- 74 Thirst Quencher** New belt-driven pumps that satisfy engine fuel supply needs.

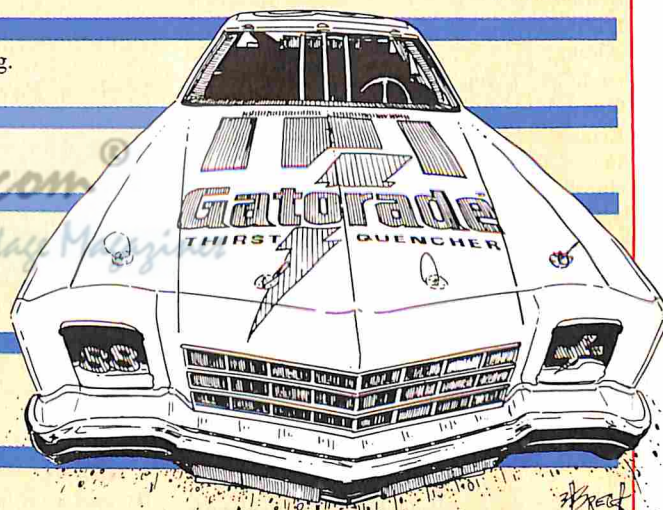
- 92 Cut & See** Reading your oiling system from inside the filter.

DEPARTMENTS

- | | |
|--------------------------|--------------------------------|
| 4 Letters | 96 Circle Track USA |
| 7 Bill's Bits | 98 Pit Tips |
| 8 Stock Report | 102 Smokey's Track Tech |
| 10 New Products | 111 Advertiser Index |
| 12 Catalogs, Etc. | 111 Track Trade |
| 14 Racin' Around | 114 Hot Laps |



JIMMY MORRISON



MIKE SLADE

COVER: Jim Cutler's camera stops this year's Indy 500 winner Bobby Rahal, who shared the closest three-car Indy finish in the race's 70-year history with Kevin Cogan and Rick Mears. Coverage begins with a photo

on **page 19**, then Joe Scalzo looks at the wild pre-race jockeying for position, past and present, starting on **page 23**, and finally, Smokey Yunick offers his perceptions on **page 30**.

Learning the Tricks of the Trade: RACING SCHOOLS

PETERSEN'S SEPTEMBER 1986 \$2.95

CIRCLE TRACK

RACER'S WORKSHOP:
HAROLD ELLIOTT ON
COOLING SYSTEM TECH

SUPER TECH!

- **BELT-DRIVEN FUEL PUMPS**
- **EXAMINING OIL FILTERS**
- **DYE PENETRANT CRACK DETECTION**

THE BIG ONES:

- THE INDY 500** • Qualifying Hell Week
• The Inside Story of the Last Two Laps
• Smokey Yunick's Post-Race Thoughts

THE CHARLOTTE 900

- The Winn-Dixie 300 • The Coca-Cola 600

