

America's Most Popular Oval Track Racing Magazine

FEATURES

36 GUESS WHO? Steve Kinser does it again at the 28th Annual Knoxville Nationals.

50 FIFTH ANNUAL HOLIDAY GIFT BUYER'S GUIDE 'Tis the season once again—CIRCLE TRACK presents its yearly fare of great gift ideas for your favorite racing enthusiast.

66 CIRCLE TRACK CLASSIC After 30 years, Gober Sosebee decided it was time to restore his victory ride—a 1939 Ford Standard Coupe.

74 PICTURE PERFECT Get started on your entry for the Monogram/CIRCLE TRACK Model Race Car Photo Contest today!

90 REMODELED RICHMOND The Miller High Life 400 was the first Winston Cup race to break-in this "new" track.

112 SMOKEY ON THE FUTURE Smokey's lost manuscript is found, albeit six weeks and a lot of extra work later. Finally, read his predictions on racing!



TECH

27 WELDING BASICS AND TIPS Advances in welding technology have opened up the area to even those with limited skill.

44 A CUT ABOVE THE REST Plasma-arc cutting has many advantages and clean results.

76 IT'S A STEEL The properties and features of steel which make it a widely used metal in the racing industry.

82 RACER'S WORKSHOP Metallurgical specialists Kenneth Foster and Russell G. Sherman examine the science of bolt tightening.

94 ENGINE METALLURGY An evolution of the various materials used in powerplant components.

100 LIGHTWEIGHT WONDER A look at the pros and cons of aluminum.

106 BUTTONING DOWN YOUR RACER Choosing the correct fastener for the job is a snap—if you understand its intended application.

122 CORNER SCIENCE Herb Adams explains chassis tuning in a question and answer format.

124 PIT TIPS Included are low-buck ideas on how to locate oil leaks and fix incorrectly drilled holes.

DEPARTMENTS

4 C.J.'s CORNER

7 LETTERS

8 STOCK REPORT

14 YESTERDAY & TODAY

16 BEHIND THE WHEEL

18 RACIN' AROUND

120 TOW TECH

124 AD INDEX

125 TRACK TRADE

130 HOT LAPS

COVER PHOTOGRAPHY: Hypertherm's Max 20 plasma-arc cutter demonstrates its versatility in this dramatic double-exposure shot taken by Lynne McCready. And for lending a hand, our special thanks to Petersen's own Bill Kohn. Welding gloves: courtesy of General Welding Supply Co.

5th ANNUAL

HOLIDAY GIFT GUIDE

PETERSEN'S DEC. 1988 \$2.95 U.K. £2.45

CIRCLE TRACK

RACE 
COVERAGE:
 • KNOXVILLE NATIONALS
 • MILLER 400

SPECIAL TECH - SECTION

Racing Metallurgy

- ENGINE
- CHASSIS
- FASTENERS

- WELDING
- PLASMA CUTTING

Lost Manuscript Found!
SMOKEY ON THE FUTURE

#585Jxxxxxxxxx 5-DIGIT 55343
 #CDSHRTB62#Z2543D65JUN91
 TOM SCHREINER CTD1
 1417 CAMBRIDGE ST 82
 HOPKINS MN 55343

