

inside...

PETERSEN PUBLISHING CO.

R. E. PETERSEN Chairman of the Board
F. R. WAINGROW President
ROBERT E. BROWN Sr. Vice President
DICK DAY Sr. Vice President
JIM P. WALSH Sr. V.P., National Advertising Director
ROBERT MACLEOD V.P., Publisher
THOMAS J. SIATOS V.P., Group Publisher
PHILIP E. TRIMBACH V.P. Finance
WILLIAM PORTER V.P., Circulation Director
JAMES J. KRSEK V.P., Manufacturing
JACK THOMPSON Assistant Director, Circulation
NIGEL P. HEATON Director, Circulation Administration & Systems
LOUIS ABBOTT Director, Production
DON McGLATHERY Director, Research
ALISAACS Director, Graphics
BOB D'OLIVO Director, Photography
CAROL JOHNSON Director, Advertising Administration
MARIA COX Director, Data Processing

BRANCH OFFICES

ATLANTA Dale Naef, Branch Manager, 615 Peachtree St., N.E., Suite 414, Atlanta, GA 30308 (404) 876-0781
CHICAGO Richard Holcomb, Chicago Advertising Director, John Hancock Center, 875 N. Michigan Ave., Suite 3131, Chicago, IL 60611 (312) 222-1920
CLEVELAND Dewey F. Patterson, Branch Manager, Bond Court Building, 1300 E. 9th St., Suite 1001, Cleveland, OH 44114 (216) 696-7900
DALLAS Jeff Young, Branch Manager, 800 W. Airport Fwy., Suite 201, Irving, TX 75061 (214) 253-1157
DETROIT Edward McLaughlin, Detroit, Cleveland Advertising Director, 333 West Fort Street Building, Suite 1800, Detroit, MI 48226 (313) 964-6680
LOS ANGELES Ralph Panico, Western Advertising Director, 8490 Sunset Blvd., Los Angeles, CA 90049 (213) 657-5100
NEW YORK Bob Berg, Eastern Advertising Director, 437 Madison Ave., New York, NY 10022 (212) 935-9150

PETERSEN ACTION GROUP

Ralph Panico, Western Advertising Director, Los Angeles
Robert Berg, Eastern Advertising Director, New York
Edward McLaughlin, Detroit-Cleveland Advertising Director
Richard Holcomb, Chicago Advertising Director
Dewey F. Patterson, Cleveland
Dale Naef, Atlanta
Jeff Young, Dallas

CONTRIBUTIONS: Should be mailed to 8490 Sunset Blvd., Los Angeles, Calif. 90049. They must be accompanied by return postage and we assume no responsibility for loss or damage thereto. Any material accepted is subject to such revision as is necessary in our sole discretion to meet the requirements of this publication. Upon acceptance, payment will be made at our current rate, which covers the author's and/or contributor's right, title and interest in and to the material mailed including but not limited to photos, drawings, charts, and designs, which shall be considered as text. The act of mailing a manuscript and/or material shall constitute an express warranty by the contributor that the material is original and in no way an infringement upon the rights of others.

CHANGE OF ADDRESS: Six weeks notice is required to change a subscriber's address. Please give both old and new address and label. Send to P.O. Box 3291, Los Angeles, Calif. 90028.

CAR CRAFT (ISSN 0008-6010), Copyright 1979 by PETERSEN PUBLISHING COMPANY. All rights reserved. Published monthly by Petersen Publishing Company, 8490 Sunset Blvd., Los Angeles, Calif. 90049. Subscription inquiries phone (213) 657-5100. Second class postage paid at Los Angeles, Calif., and at additional mailing offices. Single copy \$1.50. Subscription rates: U.S. and Possessions one year \$10.95, two years \$19, all other countries one year \$13.95, two years \$25.

POSTMASTER: Please send form 3579 to Car Craft, P.O. Box 3291, Los Angeles, Calif. 90028.

STAFF

HARRY HIBLER Publisher
RICK VOEGELIN Editor
PAT RYALL Managing Editor
CHARLIE HAYWARD Art Director
JON ASHER Competition Editor
JOHN BAECHEL Technical Editor
NEIL BRITT Associate Editor
JEFF SMITH Feature Editor
KEN HAMILTON Assistant Art Director
GARY MEDLEY Editorial Assistant
LONIE MYSIOR Administrative Assistant

DICK DAY Senior VP, Hot Rod Publications Div.



34. No, this is not the world's first solar-powered street machine. Nor is it the reflector for the Mt. Palomar telescope or the Jolly Green Giant's cookie sheet. Actually, it's a demonstration of the first installment in our new series, "How to Build a Street Machine." Specifically, this month we tell you how to make an engine compartment look like a million at a cost of about \$20. Conceived in the fertile mind of Tech Editor Baechtel over a lunch of combination burritos, the series promises to have at least the impact of the Declaration of Independence, the Bill of Rights and the Playmate playoff.



40. Many years ago, Bob Dylan told us that we didn't need a weatherman to know which way the wind was blowing. There are times, though, when you need to know how hard the wind is blowing, and that's when you need a turbo boost gauge. Feature Editor Jeff Smith was responsible for the unique installation shown here. After 50 passes at the dragstrip sorting out priority valves, nitrous injection and driving technique with our turbocharged test Vette, Jeff finally discovered the true worth of this piece of test equipment: "Honest, officer, I never saw the red light!"

44. The same technical editor known to dream up series while consuming burritos (see above) has other unusual culinary tastes. "You are what you eat," the nutritionists say, which must mean that John Baechtel is a CAR CRAFT license plate. Actually, John maintains that eating one red plate special a day provides the strength of mind necessary to complete six stories on the night before copy deadline, including this month's Firebird flight plan.



FEATURES

- 16 STREET MACHINE NATIONALS WEST**
Turn right at the L.A. County Fairgrounds
- 26 HOW TO BUILD A STREET MACHINE**
The CAR CRAFT plan for street stardom
- 34 ALUMINUM PANELS**
Build a Pro Stock look-alike
- 40 TURBO CORVETTE TEST**
Fast, fun and legal
- 44 MAKE YOUR FIREBIRD FLY**
Bolt-on power for Olds-powered Birds
- 52 STREET PROS**
Subcompact examples of street machine art
- 56 GREAT AMERICAN ENGINES**
Boss Ford power guide
- 60 SHOTGUN FORD FUN**
Speak softly and carry a Boss 429
- 62 FUTURE FAIRMONT**
A peak behind the Dearborn curtain
- 64 25th U.S. NATIONALS**
A sterling race
- 70 AL BROWN'S 25th TIME AROUND**
The man who's seen them all
- 74 EASY HOLLEY HOP-UP**
Trick parts for street carbs
- 78 CRUISIN' U.S.A.**
Heavy Iron in Cleveland
- 81 FLORIDA HEMI**
Big, orange and beautiful
- 100 TACH TRICK**
V-8 Vega tachometer mod

DEPARTMENTS

- 5 POINT OF VIEW
- 9 STRAIGHT SCOOP
- 10 HI RISERS
- 12 TECH TALK
- 18 RAPPING OFF
- 84 TWO WHEELIN'
- 92 NEW PRODUCTS
- 98 PERFORMANCE DIRECTORY
- 101 CALENDAR
- 102 ETC.

Fast, Fun and Legal:

TURBO CORVETTE TEST

\$1.50 NOVEMBER 1979 In Canada \$1.75

CAR CRAFT

CAR CRAFT

THE COMPLETE PERFORMANCE MAGAZINE

**BOSS FORD
PERFORMANCE GUIDE**

**BOLT-ON HORSEPOWER:
MAKE YOUR FIREBIRD FLY**

**EASY HOLLEY
4-BARREL HOP-UP**



Exciting New Series!

HOW TO BUILD A STREET MACHINE

Step-by-Step
Guide to
Homebuilt
Supercars

Street PRO

Men's Magazine
Gift Quality Vinyl Designs

