

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. Vice President, National Advertising Director
 ROBERT MACLEOD V.P., Publisher
 THOMAS J. STIATOS V.P., Group Publisher
 PHILIP E. TRIMBACH V.P., Finance
 WILLIAM PORTER V.P., Circulation Director
 JAMES J. KRENEK V.P., Manufacturing
 LEO D. LAREW Treasurer, Assistant Secretary
 DICK WATSON Controller
 LOU ABBOTT Director, Production
 JOHN CARRINGTON Director, Book Sales and Marketing
 MARIA COX Director, Data Processing
 BOB D'OLIVO Director, Photography
 LAWRENCE FREEMAN Director, Subscription Sales
 NIGEL P. HEATON Director, Circulation Administration and Systems
 AL ISAACS Director, Graphics
 CAROL JOHNSON Director, Advertising Administration
 DON MCGILGATHERY Director, Research
 JACK THOMPSON Assistant Director, Circulation

ADVERTISING OFFICES
LOS ANGELES Ralph Panico, Western Advertising Director, 8490 Sunset Boulevard, Los Angeles, CA 90069, (213) 657-5100
NEW YORK James J. Rainford, Eastern Advertising Director, Howard S. Plissner, Associate New York Manager, 437 Madison Avenue, New York, NY 10022, (212) 935-9150
DETROIT Ed McLaughlin, Detroit Advertising Director, 333 West Fort Street Building, Suite 1800, Detroit, MI 48226, (313) 964-6680
CHICAGO Dennis M. Banner, Chicago Advertising Director, John Hancock Center, 875 N. Michigan Avenue, Suite 3131, Chicago, IL 60611, (312) 222-1920
CLEVELAND Dewey F. Patterson, Branch Manager, Suite 605, Three Commerce Park Square, 23200 Chagrin Blvd., Cleveland, OH 44122, (216) 464-1522
ATLANTA Dale Noel, Branch Manager, 4 Piedmont Center, Suite 601, Atlanta, GA 30305, (404) 251-4004
DALLAS Jeff Young, Branch Manager, 800 West Airport Freeway, Suite 201, Irving, TX 75061, (214) 579-0454

PETERSEN ACTION GROUP

Ralph Panico, Western Advertising Director, Los Angeles
 James J. Rainford, Eastern Advertising Director, New York
 Howard S. Plissner, Associate Advertising Director, New York
 Edward McLaughlin, Detroit Advertising Director, Detroit
 Dennis M. Banner, Chicago Advertising Director, Chicago
 Dewey F. Patterson, Cleveland
 Dale Noel, Atlanta
 Jeff Young, Dallas

CONTRIBUTORS: Should be mailed to 8490 Sunset Blvd., Los Angeles, Calif. 90069. 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 1980 by PETERSEN PUBLISHING COMPANY. All rights reserved. Published monthly by Petersen Publishing Company, 8490 Sunset Blvd., Los Angeles, Calif. 90069. Subscription inquiries phone (213) 657-5100. Controlled Circulation Postage Paid at (Hingham) Illinois and at Salem, Illinois. Single copy \$1.50. Subscription rates: U.S. and Possessions one year \$11.94, two years \$19.94; all other countries one year \$14.94, two years \$25.94.

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

STAFF

HARRY HIBLER Publisher
 JON ASHER Editor
 PAT RYALL Managing Editor
 KEN HAMILTON Art Director
 RICK VOEGELIN Contributing Editor
 JOHN BAECHEL Technical Editor
 NEIL BRITT Associate Editor
 JEFF SMITH Feature Editor
 KAREN STABINS Assistant Art Director
 LONIE MYSIOR Administrative Assistant
 DAVID ELIUS Editorial Assistant
 FRAN O'FARRELL Editorial Secretary

DICK DAY Senior V.P., Hot Rod Publications Division



38. We had this great idea. See, we'd have this neat dog in the cover photo and then, heck, everyone would buy the issue. Everyone loves dogs, right? And, it's worked for us before, so why not try it again. Well, this is Tony Rivas, Tony arranged our meeting with Russ Stiff, the guy who owns this month's cover car. And this is also the dog that was going to be on the cover. However, there was this unforeseen problem—alert photographer Neil Britt caught the dog in the act of eating Tony's hand. End of dog being in cover photo. End of Neil's lunch. But the cover car saga is another CC gem. Don't miss it.



62&70. After reading David Ellis' informative stereo story, John Baechtel decided to try an installation job by himself. It came out so neat that he closed his eyes while listening to the Dead Boys' latest and accidentally drove his car into someone's backyard swimming pool. At least that's what he claims.

FEATURES

24 THE CONSERVATION CHRONICLES
 CC's new economy series

26 MOPAR MADNESS
 Street machine craziness from the corridors of Chrysler Corporation

32 ROLLING THUNDER
 A super, supercharged Hemi Mopar

34 STREET BLOWER SURVIVAL
 Making a blown street machine a viable combination

38 BROTHER TO BROTHER
 Another bizarre cover car saga

40 HOW TO BUILD A STREET MACHINE
 Installing fiberglass hoods

46 24-KARAT
 "Best Engine" winner from the Street Machine Nationals

48 'BIRD WATCHING
 Nearing completion of the Street Machine Nationals Grand Prize Firebird

50 TIME MACHINE
 Space age Altered

54 BANJO SHUFFLE
 How to build a Chrysler rearend

60 FABERGE SUPER BRUT FUNNY CAR
 Al Segrini's latest quarter-miler

62 COMPARING NOTES
 Everything you ever wanted to know about auto sound systems

70 COMMAND PERFORMANCE
 How to install Panasonic's trickiest stereo system

74 STREET MACHINE NATIONALS WEST
 Enter before it's too late

77 DISCO TURBO
 Some cheap horsepower tricks for your turbo Ford

80 ALL-STAR TEAM UPDATE
 The tension mounts as the ballot count draws to a close

DEPARTMENTS

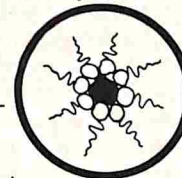
- 4 POINT OF VIEW
- 8 HI RISERS
- 13 TECH TALK
- 18 STRAIGHT SCOOP
- 20 RAPPING OFF
- 90 NEW PRODUCTS
- 94 PERFORMANCE DIRECTORY
- 96 ETC.
- 98 CALENDAR

A NON-TECHNICAL LOOK AT THE TECHNICAL ADVANTAGES OF USING STP GAS TREATMENT

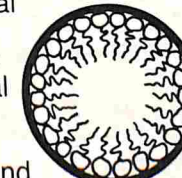
It all starts with this wonderful chemical called Alkylhydroxybenzylpolyamine.

Fancy name for something that looks like a balloon on a string. But, as the primary active ingredient, it does two important things in your car's fuel system:

First, it helps remove water from your gas tank by surrounding droplets of water, suspending them in your gas so they can pass harmlessly through your fuel system.



Second, it helps prevent grunge like gum and varnish from sticking to metal surfaces of the fuel system in two ways: By coating the metal surfaces of the fuel system and by surrounding the gum and varnish to keep them from getting a toehold.



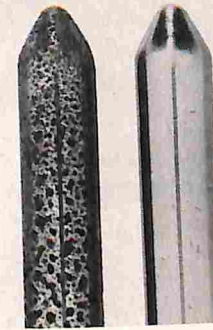
This helps keep your carburetor clean and that helps maintain peak engine performance. Still with us?

So far, all you've got to remember is that STP Gas Treatment fights back against bad guys in your fuel system.

Now for the second thing to remember: All this isn't fiction. It's fact. Results proven in scientific tests. For instance:

FIGHTS RUST.

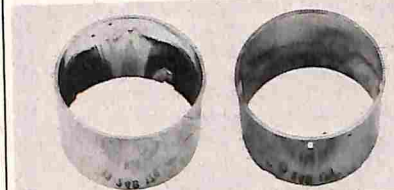
These two steel bars were both soaked in the same gas plus water. Only difference? The gas used with the bar on the right contained STP Gas Treatment.



FIGHTS WATER.

Water causes more than rust. It can freeze, too. Brrrr! Regular use can lessen the likelihood of gas line freeze. Tests proved STP Gas Treatment increases the emulsification of water and that means it helps water get through your system, out your exhaust.

FIGHTS CARB DEPOSITS.



Some carburetor openings are tiny enough to become restricted by gum and varnish, which can rob your engine of efficiency. We put clean metal sleeves in 28 engine

FIGHT BACK! WITH STP GAS TREATMENT.

IN COLOR

MOPAR MUSCLECARS

\$1.50 AUGUST 1980 In Canada \$1.75

CAR

CRAFT

THE COMPLETE PERFORMANCE MAGAZINE

- 38HP FOR \$130 FOR TURBO FORDS
- TWILIGHT ZONE ALTERED
- BONUS HOW-TO: STREET BLOWER SURVIVAL



SPECIAL STEREO SECTION:

HIGH PERFORMANCE SOUND
 HOW TO AVOID RIP-OFFS
 DREAM SYSTEMS

