

HIGHLIGHTS OF THIS ISSUE: AUGUST 1968 Founded in 1872/Vol. 193 No. 2 Detroit Springs Some Fresh Surprises PAGE 48 Commission of transferring-generation of Coming up for '69: a new-and trend-setting-generation of cars. Me ... Fly an Airplane? PAGE 52 Why not? There's adventure ahead and you can get your first lesson for only \$5. 12 New Ways Science Protects You from Violence PAGE 62 They can belt and belt to be the strength of the strengt of the strength of the strengt They can halt moving bullets, locate snipers, even automatically "frisk" assassins. The Wonderful World of Four-Wheel Drive Page 68 The famous mystery writer tells how they made a desert gazelle of the old four-banger. Build and Fly This Fabulous Ski Kite PAGE 134 Hang in the sky from a kite with a 12-foot wingspread. You don't even have to water COVER PHOTO BY CHARLES E. NERPEL

CARS AND DRIVING

- 36 What's New for Your Car
- 48 Detroit Springs Some Fresh Surprises 50 The Shape of Things to Come from GM: the Portion Grand Prix GM: the Pontiac Grand Prix

- 68 The Wonderful World of Four-Wheel Drive 70 Four-Wheel Drive vs. Dune Buggies 75 Swinging Go-Anywhere Vehicles Scorn Highways

EXTRA: 16-Page Special Report: The Truth About

AUTO INSURANCE

How much insurance do You need? What kind? Which company? Here's what you should know to protect Your self against trouble-or even financial potestrophe. financial PAGE 99

41

- SCIENCE AND INVENTIONS Science Finds Startling New Facts 45 The Truth About Food Poisoning
- and How You Can Avoid It

- 56 World's Biggest Icebox—in Florida? 56 World's Diggest recovery forma? 62 12 New Ways Science Tackles Violence
- 62 12 New Ways 50. 65 Trains Without Wheels Glide on Air 2 POPULAR SCIENCE COPYRIGHT © 1966 BY POPULAR SCIENCE PUBLISHING CO., INC. ALL RIGHTS RESERVED

COMING NEXT MONTH

Highlights from the big September issue:

- · How I Reached the North Pole on a Snowmobile-the first-person story of an amazing adventure, by Ralph Plaisted.
- Why There May Be a Steam Car in Your Future When You Start Flying—High Wing or Low?
- The '69 Fords, Lincolns, Mercurys
- Testing the New Mercedes V-8s
- ICE: Hottest Thing for Your Aches and Pains
- Show Your Color Slides Through Color TV
- Time-Delay Light Switch Saves Car Battery
- Preview of the Watkins Glen Grand Prix
- Your TV Antenna May Be Out of Date!

PLUS: A 44-Page Home-Improvement Section-New ideas, materials, techniques, tools, projects -including A Family Learning Center (with blueprint), Windows in the Roof: Exciting Way to Remodel, Colorful Fir Plywood, Basement with Movable Walls. How to Fasten Anything to Concrete, 5 Good Storage Ideas, and much more.

AUTO UPKEEP 156 Gus Gives an Old Car a Lift 160 Hints from the Model Garage

ELECTRONICS

- 84 5-Channel Radio-Control Kit
- 86 Now-Color on Your Black-and-White TV Set
- 88 The Magic Box That Plays a Game

PHOTOGRAPHY

83 12-Channel Sound-Movie Cassette Plays for Two Hours

PICTURE NEWS

- 57 Swingin' Stereo for Cyclists
- 79 Shaver Gets a Charge from the Sun
- 115 Hovercraft Runs on Two-Stroker
- 120 And You Shall Have Music ...

EVERY MONTH

- 8 PS Readers Talk Back
- 12 "Say, Smokey_"
- 18 Science Newsfront
- 24 Detroit Report
- 38 Wordless Workshop
- 85 I'd Like to See Them Make
- 148 What's New from the Inventors
- 155 Shop Talk

Mechanics and Handicraft ® Popular Science ® Printed In U.S.A. 24



Where fingers won't fit



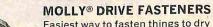
Simply"POP" RIVET it.

"POP" RIVETOOL KIT

SETS RIVETS FROM ONE SIDE OF THE WORK. Faster, easier than screws, nuts and bolts, soldering. IPOP Just squeeze handle of the "POP" RIVETOOL and you've set a rivet. Fastens metal, plastic, leather, wood, hardboard fast. Sets all blind rivets through 3/16" diameter. "POP"® RIVETS \$595 included. No. K-110.



THERMOGRIP[®] Electric Glue Gun Bonds almost any material in 60 seconds. No clamping. Hot-melt glue and \$795 sealer are included. 71ist



Easiest way to fasten things to dry walls. No drilling. Just tap in with hammer and turn with screwdriver. Card of 4.

Available wherever hardware is sold CONSUMER PRODUCTS CENTER United Shoe Machinery Corporation 221 OLEY STREET, READING, PA. 19601

- HOME AND SHOP
- 121 Why Epoxy Glue Sometimes Fails Build This Indoor-Outdoor Furniture 129 How to Choose the Right Bricks Sears' Wet or Dry Shop Vac 134 Build and Fly This Fabulous Kite
- 139 What's New in Tools

- 140 Chain Saw That Doesn't Give You
- 142 New Metal Lathe Does Other Jobs 152 Should You Buy an Electrostatic
- SPECIAL REPORT 58 Coast to Coast on a Bike? You're

- BOATING AND OUTDOOR SPORTS
- You Can Be an Expert Driver 116 Vater Skiers 120 Mant to Go Scuba Diving? 110 Want to Go Scuba Diving? 120 Mini-Bike Has Autoving? Transmission 150 What's Mourout 150 Transmission What's New Outdoors

AUGUST 1968 50 CENTS POPULAT SCIEDCE ONTHLY

'69 CARS IN COLOR

EXTRA! 16-Page Special Report : The Truth About AUTO INSURANCE

Jam-packed with valuable facts every car owner should know

winging Go-Anywhere Cars Scorn Highways

- Food Poisoning: How You Can Avoid It
- 12 New Ways Science Protects You from Violence
- Build Your Own Man-Carryi
- ALSO: Fun in Private Flying, Driver for Water Skiers...PL

A BOLLING

C D ANDERSON

40270 490684ADE3222A0C38