Popular Science Monthly

May, 1958



Look, no hands! Will the car in your future drive like this one, guided by radio? PS gives you a peek at tomorrow



We're closer to getting to the moon than you may think, says Dr. I. M. Levitt (above and on front cover), director of Philadelphia's Fels Planetarium. Here's the schedule

FRANK ROWSOME JR.

Assistant Managing Editors

Charles M. Garvey Kendall W. Goodwyn Robert P. Stevenson

Devon Francis
Martin Mann
Everett H. Ortner

Harry Walton

Technical Editor Hubert Luckett

West Coast Editor

2 POPULAR SCIENCE

Wesley S. Griswold

Managing Editor

Senior Editors

AUTOMOBILES

The Car That Drives Itself · 75 Driver's Report on Saab and Volvo · 98 Favorite Short Cuts to the Junkyard · 189 What Is a Tune-Up? · 193

USED-CAR BUYER'S GUIDE Is There a Used Car in Your Future? · 167 Complete Tear-Out Booklet: Used-Car Checklist · 171 I Check 40 Used Cars a Week · 183

CONSUMER NEWS Suddenly Everybody Wants a Telescope · 94 '58 Outboards: Facts and Figures · 157 What's New · 162 For the Home Shop For Your For Your Home · For the Handyman

WORLD OF SCIENCE AND INDUSTRY

Navy's New Quick-Trigger Missile · 80 What We're Learning from Satellites . 84 Strange Shapes for the Space Age · 88 Trials of the Jet-Age Traveler · 93

Timetable to the Moon · 102 What Science Has Done for Your Dog . 107

Editor: HOWARD ALLAWAY

Just for Fun

Associate Editors

Erik H. Arctader
Alden P. Armagnac
Henry B. Comstock
Frank Dorr
Sheldon M. Gallager
Herhert O. Johansen
Herhert R. Pfister
Maryann Smith
Ruth Westphal
Richard A. Yahraes

Editorial Assistants Rosa Lee Beeland (Chief)
Anna Dallas, Bebe Lipson,
Roberta Marks
Georgette Sparks Art Director Howard C. Jensen

Art Editors Herbert Anthony Reginald A. Hawley Harry Samuels

Art Associates Eric A. Karminski Jr. Henry W. Kazmirowski Richard J. Meyer Dana B. Rasmussen

Photography W. W. Morris (Chief) Robert D. Borst Orlando Guerra

SPECIAL FEATURES

How to Boost Your Test Scores · 126 The B-47 That Couldn't Come Down · 130 The Amazing "Tote" - 135 Ordering a House from the Factory · 150 Gus Meets a Master Mechanic · 198 Hi-Fi Dictionary · 203

PICTURE NEWS

Army Jeep Turns to Skyriding · 110 Rockets Propel This Torpedo · 116 GIs Wear Paper Suits to Fight Fires 123 New SeaMaster Is Tested · 125



"Bow Legs Control . . . I'm at 13,500 and I'm going to 16,000 before I turn the power off ... ?

Say good-bye to those plywood layer-cake edges. PS shows you how the pros finish them off

FOR HOME AND SHOP

Hiding Plywood Edges · 142 PS Shop Note Book · 147 PS Fix-It File: Casement Windows · 155 New Saw Has Many 'Firsts' · 166 Hints from the Model Garage · 187

Short Cuts and Tips · 209

EVERY MONTH ...

PS Readers Talk Back . 4 The Month in Science · 11 Keeping the Home Shipshape • 14 Prize Projects by PS Readers • 16

I'd Like to See Them Make · 18 You Ought to Know · 21 New Ideas from the Inventors • 139 Wordless Workshop · 148

EDITORIAL OFFICES: 353 Fourth Ave., New York 10, N.Y.

Publisher RALPH H. FLYNN

Advertising Manager LEE P. ADAMS

Circulation Director EUGENE WATSON ADVERTISING OFFICES:

NEW YORK-353 Fourth Ave. CHICAGO-360 North Michigan Ave. DETROIT-820 Book Bldg. SAN FRANCISCO-114 Sansome St. CLEVELAND-636 B. F. Keith Bldg. LOS ANGELES-711 South Vermont.
PORTLAND, ORE.-520 S.W. Sixth Ave.

SUBSCRIPTION SERVICE:

Address all subscriptions and correspondence concerning them to: Popular Science Subscription Department, 353 Fourth Ave., New York 10, N. Y. Allow four weeks' notice for change of address. Please give both old and new addresses, including zone numbers. Published monthly at 353

Fourth Avenue, New York 10, N. Y., by Popular Science Publishing Co., Inc., Godfrey Hammond, Chairman of the Board; Ralph H. Flynn, President and Treasurer; Franklin E. Parker Jr., Secre-tary; Eugene Watson, Vice-President. Second-class mail privileges authorized at New York, N. Y., and Dayton, Ohio. En-New York, N. Y., and Dayton, Ohio. Entered as second-class matter at the Post Office Department, Canada. Printed in U.S.A. Copyright, 1958, by Popular Science Publishing Co., Inc. All rights reserved in the United States, Great Britain, and in all the countries participating in the International Copyright Convention and Pan-American Copyright Convention. Single copy 35c. Subscriptions to United States, its possessions, and Canada, 1 year \$3.40 (2 years \$6.00, 3 years \$8.00). Elsewhere, 1 year \$6.00 (2 years \$1.00). Elsewhere, 1 year \$6.00 (2 years \$11.00, 3 years \$16.00).

MAY 1958 3

POPULAR SCHOOL SCHOOL MAY . 35c Monthly

U.S. Scientist Sets Timetable to Moon

Take-Along Checklist for Judging a Used Car

Extra: Valuable Booklet

