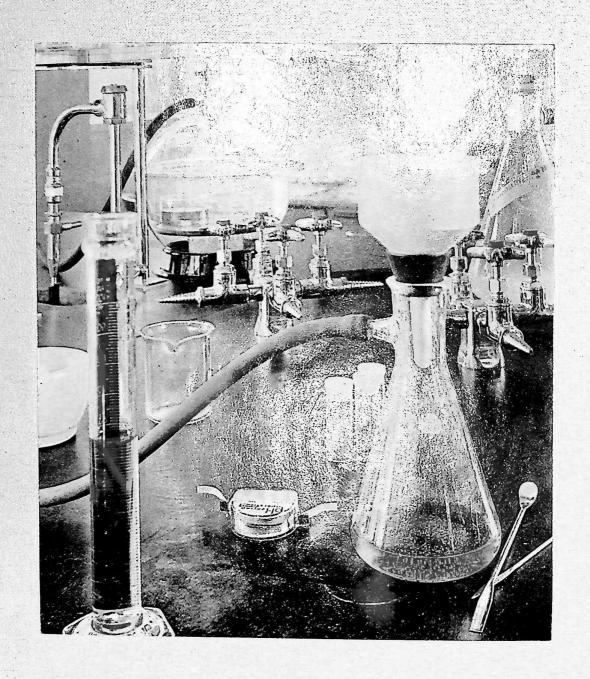
THE BOOK OF Popular Science

VOLUME

6



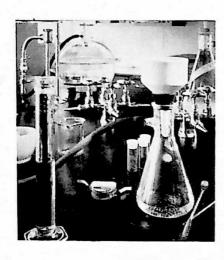
THE BOOK OF POPULAR SCIENCE

Volume 6



Distributed in the United States by THE GROLIER SOCIETY INC.

Distributed in Canada by GROLIER LIMITED



Cover photograph: a chemical experiment at the renowned Rockefeller Institute for Medical Research, which is located in New York City.

Scott Hyde

COPYRIGHT © 1970 BY



COPYRIGHT © 1970 BY GROLIER LIMITED

Standard Book Number 7172-1201-7 Library of Congress Catalog Card Number: 78-88108

Copyright © 1970, 1969, 1968, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1959, 1958, 1957, 1956, 1955, 1954, 1953, 1952, 1951, 1950, 1947, 1946, 1945, 1943, 1941, 1939 by GROLIER INCORPORATED

Copyright © 1931, 1930, 1929, 1928, 1926, 1924 by THE GROLIER SOCIETY

Copyright © in Canada 1970, 1969, 1968 by GROLIER LIMITED; 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1959, 1958, 1957, 1956, 1955, 1954, 1953, 1952, 1951, 1950 by GROLIER OF CANADA LIMITED

No part of THE BOOK OF POPULAR SCIENCE may be reproduced without special permission in writing from the publishers

CONTENTS OF VOLUME VI

THE UNIVERSE	HEALTH
METEORITES AND METEORS	THE VIRUSES
THE STARS	PROBLEMS OF SLEEP
	MATTER AND ENERGY
THE EARTH	THE SILICONES
THE SEA	An Account of Some Highly Versatile Chemical Products
THE DEEP SCATTERING LAYERS OF THE SEA 49 An Analysis of a Widespread Phenomenon	THE NATURE OF ELECTRICITY
THE DEPTHS OF THE SEA	THE SNAP GENERATOR
THE TIDES	AN INTRODUCTION TO ELECTRONICS
THE CIRCULATION OF THE SEA	DATING BY THERMOLUMINESCENCE
THE WAVES OF THE SEA	INDUSTRY
Why Ocean Waters Are Never Still THE GEOLOGICAL TIME SCALE	CONSERVATION
THE RETURN OF THE WATERS409 The Great River Systems of the World	FISHERIES
LIFE	ON ENDLESS BANDS OF RUBBER
A MODERN THEORY OF EVOLUTION	THE STORY OF RUBBER
PLANT LIFE	TRANSPORTATION
A PLANT'S FIGHT FOR LIFE	THE CONQUEST OF THE AIR
ANIMAL LIFE	SCIENCE THROUGH THE AGES
OUR COMMON BIRDS I	SCIENCE AND PROGRESS (1815–95) III239 Light and Other Electromagnetic Waves The Conservation of Energy
Warblers, Vireos, Waxwings and Swallows OUR COMMON BIRDS III	SCIENCE AND PROGRESS (1815-95) IV
OUR COMMON BIRDS IV	PROJECTS AND EXPERIMENTS
OUR COMMON BIRDS V	OBSERVING THE HEAVENS
OUR COMMON BIRDS VI	WEATHER IN THE LABORATORY
Quail, Grouse, Turkeys and Pheasants OUR COMMON BIRDS VIII	EXPERIMENTS WITH ELECTRICITY286 Following the Trail of Free Electrons
Loons, Grebes, Gulls and Other Water Birds	PHOTOGRAPHING NATURE
MAN 317	BIRD OBSERVATION
THE NERVOUS SYSTEM	Techniques and Suggestions for Beginners