

Books For Your Underwater Bookshelf

Salvage Operations

By M. BRADY

This manual is written by an experienced salvage engineer for officers of the Navy and Merchant Marine and men in the ship salvage business. The author is an ex-Navy salvage officer, now a surveyor with the United States Salvage Association. From his years of experience, he has compiled this manual for professionals.

Subjects of ship salvage are covered, beginning with an introductory chapter on the practices, possibilities and limitations of Scuba diving in salvage operations, and continuing with the theoretical and practical aspects of conventional salvage gear, operations and damage control.

In large cases, large ship salvage is described; however, for small salvage operations it is only necessary to scale down the size and scope of the operations and apply the principles described. Since a basic knowledge of Naval Architecture is necessary, the subject is covered in detail.

Salvage Operations is excellently illustrated with 123 line drawings and many photographs. The scope of its coverage is the most complete in the subject.

Illustrated Indexed \$8.50

Dangerous Marine Animals

Bite — Sting — are Non-Edible

By W. HALSTEAD, M.D.

This book describes and fully illustrates marine organisms that bite and are poisonous to man, their noxious effects, treatment and, of prime importance, how to avoid them. The world-wide geographical distribution is given for each of the *Dangerous Marine Animals*.

Following quotes from the general and medical press present an idea of the value of this excellent book:

"The discussion on sharks alone is well worth the price of the volume." *Sea & Pacific Motor Boat*.

"This manual is highly recommended for those interested in or likely to be in contact with the subject." Capt. R. V. Southcott, RAAMC (Ret.), in *Military Medicine*.

Not only for the library of the doctor or skin diver, but handy for the identification of species to anyone working or taking pleasure with the water." — Mike Cramond, *The Province*, Vancouver, B.C.

123 Photographs 34 Line Drawings 4 Maps
Bibliography Indexed \$4.00

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UNDERWATER WORK

UNDERWATER WORK

Second Edition
Revised and Enlarged

**A Manual of Scuba Commercial,
Salvage and Construction Operations**

By JOHN E. CAYFORD



- PRINCIPLES OF DIVING

- DIVING SAFETY

- MILLIONS IN SALVAGE

- CUTTING AND WELDING

- CONSTRUCTION AND REPAIR

- PIPELINE LAYING

- DEMOLITION AND BLASTING

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- CAMERA MAGIC

- PHOTOMICROGRAPHY

- BIOLOGICAL SUPPLY

- FIELDS OF RESEARCH

- DIVER'S DEN



Underwater Work

A Manual of Scuba Commercial, Salvage and Construction Operations

By JOHN E. CAYFORD, Master Scuba Diver

This is a practical operating manual for those Scuba and shallow water divers who have had experience in underwater work or who plan to enter the business of *Underwater Work* on a full-time basis or as a sideline.

The material covered originates from the knowledge and experience of a group of men who conduct a successful business actively engaged in underwater operations.

The information in this manual is presented in the following manner, with underwater safety practices stressed throughout:

1. Individuals must be familiar with and experienced in the use of diving gear.
2. How to set up and organize a business, and methods of getting customers.
3. Practical how-to instructions on doing the jobs and rendering the services that require Scuba diving equipment and skilled divers.
4. Illustrations to show how the underwater work is done.

Some of the many projects, jobs and services covered in this manual are:

Recovering small boats, motors and other sunken objects; construction jobs, such as underwater pipelaying and repair; underwater welding and cutting; resurfacing large sunken objects; pouring concrete; wharf, dock and pier construction and repair.

Throughout this manual, the text is illustrated by many line drawings and photographs detailing various operations and the construction of equipment necessary to carry out underwater operations. The material on underwater cutting and welding is clear and comprehensive. Whether the underwater operation be demolition and blasting, underwater logging, work on heavy construction projects, or etc., you will find full coverage in this manual. The tables and formulae are those necessary for safe and proper operation and cover such items as pressures in descent and ascent; cutting and welding; demolition and blasting; various formulae and compounds. In addition, there are appendices which list:

Location of Recompression Units in the United States and Possessions.

List of Sources of Supply of Diving and Related Equipment discussed in this manual.

A Selected Bibliography, covering the many subjects and phases of underwater work.

272 Pages Illustrated Bibliography Indexed

About the author: John E. Cayford is a Master Diver, having logged many thousands of scuba and shallow water dives during the past twenty years. He is capable of handling the most complex underwater job. As the president of International Undersea Services, Marine Contractors, he has worked at such diverse jobs as diving on Revolutionary War vessels recovering artifacts and seeking historical pieces for museums, such as locomotives, old lumbering tools and parts of ships. He assisted Master Divers James Cahill and Earl Cross in compiling and writing the National Safety Council's Safety Data Manual, *Diving In Construction Operations*, which is used by most large American businesses employing divers.

Mr. Cayford is a contributor to *Encyclopedia Britannica* on specialized diving problems. He is the author of over one hundred diving articles; the *How-To Book of Skin & Scuba Diving*, FB No. 561, and co-author of *Underwater Logging* with U.S. Forester R. E. Scott.

Mr. Cayford is Technical Advisor to the Maine Diver's Association and National Frogmen Association; associate member of the British Sub-Aqua Clubs and member of the International Skin Diver's Association. He was the former Commanding Officer, 1st Underwater Engineering Unit (UEU), U.S.-M.C.D. and is presently serving with the U.S. Navy's Military Sea Transportation Service on board the missile ship USNS *Norwalk*.

His experience with International Undersea Services, in the fields covered by this manual, has been broad and varied and is presented in such a manner that all who are interested in the commercial aspects of scuba diving, as a full-time business or as a means of earning from a hobby on a part-time basis, will find information and "know-how" that comes from doing the job.

Skin Diver's and Spearfisherman's Guide to American Waters

By HILBERT SCHENCK

Twenty-six full-page illustrative charts and 40,000 words of text give the reader a region-by-region breakdown of all areas. Everything from water temperatures, visibility, types of bottom, to laws, resorts, customs, sources of supply and many other pertinent and necessary data are given.

64 Pages 8½ x 11 Format Fully Illustrated \$1.75

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The author, wearing one of the famous "Big 99" salvage units. These 3,000 p.s.i. tanks are the world's largest self-contained single diving units. An Aqualung reserve valve and the Cousteau-Gagnan demand regulator complete the unit.

UNDERWATER WORK

A Manual of Scuba Commercial, Salvage
and Construction Operations

Second Edition Revised and Enlarged

By
JOHN E. CAYFORD
Master Scuba Diver



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CORNELL MARITIME PRESS, INC.
Cambridge, Maryland

1966

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