



RADIOMAN 3 & 2

BUREAU OF NAVAL PERSONNEL

NAVY TRAINING COURSE

NAVPERS 10228-D

PREFACE

This book is written for enlisted personnel of the U. S. Navy and Naval Reserve who are studying for advancement to the rates of Radioman 3 and Radioman 2. Combined with the necessary practical experience and study of the publications in the reading list, the information in this course will assist the Radioman in preparing for Navywide examinations for advancement in rating.

Those who work in communications know how fast procedures and equipment evolve. This training course will be revised from time to time; between revisions, some obsolescence may be unavoidable. For this reason, it is suggested that the student with access to official communication publications use them as much as possible in his study.

As one of the Navy Training Courses, Radioman 3 and 2 was prepared by the U. S. Navy Training Publications Center, Washington, D. C., for the Bureau of Naval Personnel, and was reviewed by the Office of the Assistant Chief of Naval Operations (Communications)/Director, Naval Communications, and the U. S. Naval Schools, Radiomen, Class A, at Bainbridge, Md. and San Diego, Calif.

First edition, 1950
Revised 1951, 1953
Second edition, 1957
Third edition, 1961
Fourth edition, 1964

READING LIST

NAVY TRAINING COURSES

Standard First Aid, NavPers 10081-A
Mathematics, Vol. 1, NavPers 10069-B
Basic Electricity, NavPers 10086-A, chapters 1 through 13, and appendix V
Basic Electronics, NavPers 10087-A, chapters 1 through 14, 17, and appendix II
Basic Handtools, NavPers 10085-A
Basic Military Requirements, NavPers 10054-A
Military Requirements for Petty Officer 3 & 2, NavPers 10056-A

OTHER NAVY PUBLICATIONS

ACPs 122, 124, 125, 126, 127 (effective edition)
DNCs 5, 14, 26 (effective edition)
NWP 16(A)
Handbook of Test Methods and Practices, NavShips 91828(A), articles 3-1 through 3-6
Bureau of Ships Technical Manual, chapter 67
(to be redesignated chapter 9670)
Department of the Navy Security Manual for Classified Information, OpNav Inst 5510. 1B
U. S. Navy Safety Precautions, OpNav 34P1, chapter 18

USAFI TEXTS

United States Armed Forces Institute (USAFI) courses for additional reading and study are available through your educational services officer. * A partial list of correspondence courses applicable to the Radioman rating follows.

Number	Title
C 781	Fundamentals of Electricity
C 885	Fundamentals of Radio
A 887	Intermediate Radio
A 788	Introduction to Electronics I
A 789	Introduction to Electronics II
D 331	Elementary Typewriting I
C 150	Review Arithmetic
C 151	General Mathematics I
D 164	Beginning Algebra I

* Members of the United States Armed Forces Reserve components, when on active duty, are eligible to enroll for USAFI courses, services, and materials, if the orders calling them to active duty specify a period of 120 days or more, or if they have been on active duty for a period of 120 days or more, regardless of the time specified in the active duty orders.

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THE UNITED STATES NAVY

GUARDIAN OF OUR COUNTRY

The United States Navy is responsible for maintaining control of the sea and is a ready force on watch at home and overseas, capable of strong action to preserve the peace or of instant offensive action to win in war.

It is upon the maintenance of this control that our country's glorious future depends; the United States Navy exists to make it so.

WE SERVE WITH HONOR

Tradition, valor, and victory are the Navy's heritage from the past. To these may be added dedication, discipline, and vigilance as the watchwords of the present and the future.

At home or on distant stations we serve with pride, confident in the respect of our country, our shipmates, and our families.

Our responsibilities sober us; our adversities strengthen us.

Service to God and Country is our special privilege. We serve with honor.

THE FUTURE OF THE NAVY

The Navy will always employ new weapons, new techniques, and greater power to protect and defend the United States on the sea, under the sea, and in the air.

Now and in the future, control of the sea gives the United States her greatest advantage for the maintenance of peace and for victory in war.

Mobility, surprise, dispersal, and offensive power are the keynotes of the new Navy. The roots of the Navy lie in a strong belief in the future, in continued dedication to our tasks, and in reflection on our heritage from the past.

Never have our opportunities and our responsibilities been greater.