

**CARNEGIE ENDOWMENT FOR
INTERNATIONAL PEACE DIVISION OF
INTERCOURSE AND EDUCATION
PUBLICATION NO. II. HYGIENE AND
WAR: SUGGESTIONS FOR MAKERS OF
TEXTBOOKS AND FOR USE IN SCHOOLS**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649609710

Carnegie Endowment for International Peace Division of Intercourse and Education
Publication No. II. Hygiene and War: Suggestions for Makers of Textbooks and for Use in
Schools by George Ellis Jones & William Henry Burnham

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd.
Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

GEORGE ELLIS JONES & WILLIAM HENRY BURNHAM

**CARNEGIE ENDOWMENT FOR
INTERNATIONAL PEACE DIVISION OF
INTERCOURSE AND EDUCATION
PUBLICATION NO. II. HYGIENE AND
WAR: SUGGESTIONS FOR MAKERS OF
TEXTBOOKS AND FOR USE IN SCHOOLS**

CARNEGIE ENDOWMENT FOR INTERNATIONAL PEACE
DIVISION OF INTERCOURSE AND EDUCATION
PUBLICATION NO. II

HYGIENE *and* WAR

Suggestions for Makers of Text-books and for Use in Schools

BY

GEORGE ELLIS JONES, PH.D.

Assistant Professor of Educational Psychology
University of Pittsburgh

WITH AN INTRODUCTION BY

WILLIAM HENRY BURNHAM, PH.D.

Professor of Pedagogy and School Hygiene
Clark University

EDITED BY

PAUL MONROE, PH.D., LL.D.

Published by the Endowment
Washington, D. C.

1917

JX 1952
56

UNIVERSITY PRINTING OFFICE
COLUMBIA UNIVERSITY

FOREWORD

The chief purpose of this and related pamphlets in literature, arithmetic and geography is to present to the school children of the United States materials showing the futility and burden of militarism and the destructiveness and barbarism of modern war, or materials relating to the heroism and patriotic services of deeds of everyday life. The accomplishment of this purpose is sought through two means:

First, it is hoped to interest text-book writers in the feasibility and desirability of incorporating some of the materials published in this pamphlet, or materials of a similar nature suggested by them, in the text-books to be written for our schools.

Second, awaiting such more or less remote results, it is sought to place in the hands of the teachers of the special subjects in the schools the appropriate pamphlets that they may use them in their regular class instruction. There is no desire to deny the heroism called for by war or the necessity of the patriotism and the sacrifices demanded by war. Yet it is hoped to develop a broad and tolerant conception of patriotism and higher idealism through the incorporation of the matter suggested into the materials of instruction.

The materials of this pamphlet were collected a year or more ago, so that much of the information resulting from the experiences of the present war was not available. Since publication, our own country has become involved in the world-wide struggle; but as the pamphlet contains so much material that is of value in time of war, its circulation has not been withheld.

REQUESTS FOR ADDITIONAL COPIES OR FOR FURTHER
INFORMATION MAY BE ADDRESSED TO
DIVISION OF INTERCOURSE AND EDUCATION
CARNEGIE ENDOWMENT FOR INTERNATIONAL PEACE
407 WEST 117TH STREET
NEW YORK CITY

AN INTRODUCTORY STATEMENT

By WILLIAM H. BURNHAM
Clark University

The Effects of War on Hygiene.	5
1. An emphasis on hygiene.	5
2. Hygienic discoveries.	6
3. A setback of man's perennial conflict with disease.	7
The direct loss to hygiene.	11
Hygiene when the war ends.	12
Hygiene and the Larger Problems of the War.	14
Hygienic Training as an Essential of Preparedness.	16
Conclusion.	26

HYGIENE AND WAR

By GEORGE E. JONES
University of Pittsburgh

I. Introduction.	31
<i>Special hygienic points. General conclusions. Fundamentals of preparedness. Limitation of scientific investigation by war. Inadequacy of war in attaining results at which it aims. Importance of hygiene prior to and during the war. Recency of emphasis upon hygiene by army men. The field involved in military hygiene.</i>	
II. Destructiveness of War through Diseases and Wounds.	40
<i>Types of Diseases. Deficiency diseases (beri-beri, scurvy). Infectious diseases. Diseases to be expected in wars such as present European conflict. Typhoid and the principles of inoculation. Poison gas. Air sickness. Gun deafness. Cholera and plague. Dysentery and diarrhoea. Tetanus. Mental troubles. Venereal diseases. Frost bite or Trench feet (so-called). Protection from cold.</i>	
<i>Vermin. Their influence in spreading disease and upon the general health. Methods of protection.</i>	

HYGIENE AND WAR

Wounds. General statistics. Trial-and-error method. Fatalities. Dum-dum. Wounds vs. disease. Morale and self-aid. Peculiar manifestations. Air darts. New methods.

The Role of Diseases in War. Data from general sources (numerical). Losses of the United States in the Civil War.

III. Economic Results of War. 80

Burden upon the whole people—economic, social, and moral. Cost of the Balkan war. Cost of the Spanish-American war. Who pays the cost?

IV. The Civilian Population and War. 94

Suffering of Non-combatants. Loss not confined to armies. Data inadequate. Effect of general sanitary conditions. Tendency to neglect home in order to provide for war; necessity of avoiding this pointed out by German hygienists.

Food. Limitation of kind and quantity ultimately necessary as shown by the kind and amount needed for soldiers and civilians. Discussion of manipulation of food supply to meet exigencies—kind, cooking. Civilian food in war time (special data with reference to England and Germany). Food and fatigue. School feeding. Warbread. General facts indicating tasks imposed upon the people at home by war.

Effects upon Morale and Morals. Data with reference to non-combatants in Balkan wars. Data showing inadequacy of war as a promoter of ethics.

V. The Elimination of the Fit. 132

Recruits. The type of men selected; general points considered. Age, height, weight, chest. Deformities. General health. Teeth. Clothing—kinds, making, care of. Equipment.

Eugenics and War. War as a maker of homes. Necessity for anticipating the future. Disgenic effects. War not a natural agent in selection. Some probable benefits. War babies. War and sexual life. Influence of war on the race—general facts and data from the War of the Rebellion showing the loss of the most fit.

VI. Benefits to the General Population. 155

- a. if it should follow as efficiently as do soldiers, the hygienic training and care of the latter.
- b. if the efforts now expended upon soldiers alone were expended upon the general population.

HYGIENE AND WAR

The Function of War in Hygiene. Character of the soldier's training—personal hygiene, bathing, care of teeth, care of clothing, diet and eating. Other factors considered. Physical training. First aid. Swimming.

The Medical Corps. History, organization. Contributions to sanitation—products of peace, not possible during war. Heroism of men in this service. Yellow fever conquered. Cholera controlled in India. Panama Canal made possible. Facts of camp, battlefield, and barracks sanitation which should function in many phases of municipal and rural life.

Water Supply. Selection and protection. Amount needed. Purification.

Alcohol and Tobacco for the Soldier. Facts which should be known and observed by civilians. Some inferences from data presented.

Bibliography

Authors	181
Topics	196