

# THE HEART

ARTERIES AND VEINS

SECOND EDITION

## THE HEART

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## PREFACE

The purpose of this book is to help sick people. It is a document for all who care for and about patients.

The preface of the first edition of this book described the conception, gestation, and the delivery of an offspring named *The Heart*. We are pleased that the "baby" was accepted by our colleagues. We appreciate the kindnesses they have bestowed upon it. The world of medicine is changing daily and the baby, as it grows to manhood, must change with it. We hope that as it grows it will survey all new concepts and events and will accept those that are reasonable and good and reject those that are unreasonable and poorly conceived. We hope, too, that as it grows it will be sufficiently creative to lead a little here and there.

The spectrum of thought expressed in the second edition of *The Heart* is much broader than it was in the first edition. One end of this spectrum of thought is expressed by Dr. Paul Dudley White, who wrote: "Heart disease before eighty is our fault, not God's or Nature's will." He emphasized that we are clearly entering an era of cardiology where the *prevention of disease* is to be all-important. At the other end of the spectrum is *cardiac replacement* or heart transplant. A chapter written by Dr. John Kirklin places this new feat in proper perspective. He has indicated that it is possible to transplant the heart—in fact, it has been done many times—but he writes only a small section on the subject. This is done purposely in order to emphasize that the profession must retain its solid footing and not move into space until it is certain that the proper groundwork has been done. A spacecraft cannot be rebuilt after the craft is in flight.

The entire field of cardiology—lying between prevention and transplant—has changed during the last few years. New diagnostic methods have been developed. New diagnostic signs, utilizing old methods, have been identified. For example, the number of new diagnostic clues gleaned from physical examination continues to grow daily. New concepts of disease and new disease entities have been discovered. New drugs and new forms of treatment have been developed. New understanding and interest have been developed in the area of man and his environment.

As stated in the preface of the first edition, we consider ourselves average men and feel that we, by ourselves, cannot write every word of text. We cannot bring to every subject in the large field of cardiology the expertise the reader deserves. Accordingly, we have acquired the help of those who are expert. In order to make the book as personal as possible while utilizing the talents of a number of people, we have chosen

the contributors carefully. They are leaders in their fields of interest. They are good teachers and good writers. They are energetic and we agree—for the most part—with what they say about each subject.

As in the first edition, we have strived to blend the basic science aspects of each subject with the clinical. The book is emerging as a teaching document. This should be no surprise since we, the editors, are teachers and clinicians.

We believe that the field of medicine was created to serve the needs of sick people and this new edition is offered to our colleagues with this view clearly in mind.

This book was not created by compiling a group of manuscripts, binding them together, and adding an attractive cover. The outline—the structure of the book—was studied carefully over a period of months. Many new chapters have been added. Many old chapters have been rewritten, and all have been corrected. The material has been studied carefully in an effort to have each part properly correlated with the remainder. Unnecessary duplication has been eliminated, but important items which deserve stressing are emphasized and reemphasized.

An extensive, up-to-the-minute bibliography is found at the end of each chapter. Many chapters have two bibliographies. The first gives the references that specifically relate to the content of the chapter and the second one lists in alphabetical order many important references that should be useful for general reading on a particular subject.

We express our thanks to members of the staff of Emory University School of Medicine who have contributed of their time and effort in preparing the manuscript text and the illustrations; to Ruth Strange, Administrative Assistant; Miriam Caldwell, Farrar Edwards, Betty Krissell, Charlene Hutton, Diane Jenkins, Ellen Lynn, Carol Miller, Helen Moore, Helen Sellars, Kathy Tucker, Anne Webb, other secretaries in the Department of Medicine; and to all the typists and secretaries who have worked with the contributors. We are grateful to McClaren Johnson, Jr., M.D., Staff Physician at Emory University, who conceived and executed many of the diagrams; to Mrs. Kathleen Mackay Powell, Medical Illustrator, who prepared some of the illustrations; to Mr. Joe Jackson and Mr. Robert Beveridge, Medical Photographers at Emory University; and to the staff of the Department of Medical Illustrations and Photography. We express our appreciation to the staff of the Medical Library at Emory University for a great deal of help with the bibliography.

The book has changed as the world of medicine has changed. The spectrum of information found in the second edition includes the prevention of heart disease on the one end and heart transplant on the other. The remainder of the knowledge about heart disease lies in between these two points. The book is a teaching document created by clinicians and teachers and translates the new advances made in basic science to the bedside. The information found in *The Heart* will—we hope—find its way to the patient with heart disease.

*The Heart* was born with the first edition. This edition shows the offspring growing up. We will welcome the help and advice of the reader in our efforts to rear this child.

J. Willis Hurst and R. Bruce Logue



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# Introduction

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