
Book Reviews

CRASH INJURIES. By Jacob Kulowski, M.D., F.A.C.S., F.I.C.S., Attending Orthopaedic Surgeon, St. Joseph's Hospital and State Hospital No. 2, St. Joseph, Missouri. Springfield, Illinois: Charles C Thomas, 1960, 1080 pages, \$32.50.

The wealth of data presented in this book indicates that automotive safety in its broadest sense is ready to take its place beside other advances in this age of speed and power in which we live, play and work. Medicine, engineering, law—all three converge toward a solution as Doctor Kulowski deals with the *why* and *how* of crash injuries and deaths.

A large part of the book is devoted to Human Salvage. For the physician, here is an account of available scientific and empiric knowledge of our time which he needs to meet the challenge of patient total care from first aid through ultimate rehabilitation. Adjacent domains of engineering and biological sciences are explored, evaluated and correlated with the medical situation as a whole.

The book has been divided into seven sections, and the medical data have been integrated with preimpact, impact and postimpact factors which govern the life history of motoring as a whole.

The result is an approach to a great and valuable reservoir of scientific, empirical, pathological and clinical material. The applications of the study in the field of aviation medicine and aviation safety are obvious.

THE NEW FRONTIER. By K. G. Williams, Vickers Research Limited. Springfield, Illinois: Charles C Thomas, 1959, 161 pages, \$5.50.

The book describes the hazards that man has to face when he leaves the earth's surface to fly within, or outside, its atmosphere. It discusses the nature and causation of these many human problems and dangers, and lays down the general principles by which they can be overcome. High altitudes with too little oxygen to support life, environmental temperatures that are too low or too high for human survival, slow or violent changes in motion that can lead to disaster, the problems of men in control of machines which possess tremendous power and speed, are all among the topics which are discussed. The aim of the book is to give a general picture of what aviation and the future possibility of space-flight mean in terms of human function and survival.

The book is written for a wide, general audience and is as non-technical as possible, so that anyone who is interested in man's scientific achievements, and how these react on man himself, can understand the material discussed. The book should be of specific interest to people actively concerned with aviation,

such as aeronautical engineers, technicians and young people considering some branch of aviation as a career.

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