

related to aviation medicine. The contents are presented in ten groups, including an introduction, an interesting bibliography, a short, incomplete glossary of abbreviations, and an indispensable index key to collections of aviation artifacts. The main text consists, in order, of annotated lists of goggles and helmets, flying clothing, protective garments, oxygen masks and regulators, flight medical equipment, survival and rescue gear. In 122 pages of text there are 83 black-and-white photographs, each accompanied by an explanatory text.

Many of the illustrations are the most interesting part of the book. Unfortunately, too many are of poor quality, showing insufficient detail to be of value, and have an accompanying text that adds nothing to the illustration. The positioning of photographs in relation to text is often confusing. Infuriatingly, the worst photographs are of static displays of collections still in existence. Surely, Dr. Benford could have insisted upon better illustrations. The best photographs, fortunately, are those that are unique, e.g., Wiley Post working with the pressure suit that enabled him to reach altitudes between 40,000 and 50,000 feet in 1934.

The introduction is well written, in fact, so stimulating that the rest of the book is a disappointment. For example: the introduction mentions "—the ingenious demand oxygen regulator used by the Luftwaffe between 1939 and 1941." However, there is no functional diagram of the regulator to show what was so "ingenious" about it; nor is there any description of temporary Allied equipment to allow an assessment of comparative operational effectiveness of such developments.

Naturally, much of the book deals with equipment developed in response to wartime operational needs. I would very much like to have seen a discussion about how each new development affected the ebb and flow of aerial combat, and how the physiologists, scientists and engineers working so much in the background responded to the challenges of operational needs.

Indeed, my main disappointment with the book is its failure to deal at all with the background of the medicine and physiology of aviation upon which are hung the artifacts catalogued in the book. Dr. Benford has merely produced a catalogue of artifacts, with sketchy, and in the main disappointing, annotations. A great pity, considering the fascinating opportunities offered by the field.

To my certain knowledge, the book is far from encyclopedic. For example, an excellent collection of appropriate artifacts is contained in the Aerospace Exhibit at the North Carolina Museum of Life and Science; particularly in the collection preserved from the work of Professor F. G. Hall, one of the pre-eminent aviation physiologists of the 1930's to 1950's. There is little value for the anesthesiologist unless he has an abiding interest in aviation, and then, I fear, he is bound to be disappointed. Certainly, as a reference text, it should be included in large library collections, but I would hesitate to recommend it for the more general reader.

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Books Received

Title & Edition	Author/Editor	Publisher		
		Address, Name, Year	Pages	Price
Neurochemical Mechanisms of Opiates and Endorphins (Advances in Biochemical Psychopharmacology, Volume 20)	H. H. Loh D. H. Ross (Editors)	New York Raven Press 1979	563	\$39.00
<i>Overviews narcotics research and studies actions and interactions of messengers, opiates and neurotransmitters.</i>				
Complications of Nervous System Trauma (Advances in Neurology, Volume 22)	R. A. Thompson J. R. Green (Editors)	New York Raven Press 1979	333	\$29.50
<i>Pathophysiology: medical and surgical management.</i>				
Pharmacology of Respiratory Therapy Medications	M. J. Strauch	Chicago Year Book Medical Publishers, Inc. 1979	249	PNS
<i>Synoptic compendium designed to facilitate learning in the classroom and at the bedside.</i>				
Lecture Notes on Anesthetics	J. N. Lunn	Oxford, England Blackwell Scientific Publications 1979	170	\$ 9.95
<i>A syllabus of anesthetics for undergraduates; those parts which any doctor may need to know in his professional life.</i>				
The Essentials of Respiratory Therapy	R. M. Kacmarek S. Dimas C. W. Mack	Chicago Year Book Medical Publishers, Inc. 1979	359	\$17.95
<i>Essential aspects organized in outline.</i>				

Books Received (*Continued*)

Title & Edition	Author/Editor	Publisher		Pages	Price
		Address, Name, Year			
Management of Acute Intracranial Disasters	R. V. Trubuhovich (Editor)	Boston Little, Brown & Co. 1979		448	\$35.00/ annum
<i>Diagnosis, management, special investigations.</i>					
Review of Physiological Chemistry 17th edition	H. A. Harper V. W. Rodwell P. A. Mayes	Los Altos, Cal. Lange Medical Publications 1979		702	\$14.50
<i>Comprehensive concise survey.</i>					
Clinical Cardiology Second edition	M. Sokolow M. B. McIlroy	Los Altos, Cal. Lange Medical Publications 1979		718	\$17.50
<i>A revision; the first edition was published in 1977.</i>					
Clinical Management of Mother and Newborn	G. F. Marx (Editor)	New York Springer-Verlag 1979		274	\$29.80
<i>Postpartum and postnatal physiology and pathophysiology correlated with clinical management by 18 specialists, of whom ten are anesthesiologists.</i>					
Coronary Heart Surgery	H. Roskamm M. Schmuziger (Editors)	New York Springer-Verlag 1979		394	\$42.90
<i>Papers from a symposium. Includes a long article on anesthesia for coronary-artery surgery from the Mayo Clinic.</i>					
Neurotoxins: Tools in Neurobiology (Advances in Cytopharmacology, Volume 3)	B. Ceccarelli F. Clementi (Editors)	New York Raven Press 1979		461	PNS
<i>Two introductory lectures and 39 research papers, including ten on acetylcholine receptors.</i>					
Laboratory Exercises in Respiratory Therapy	C. A. Shoup R. N. McHenry	St. Louis C. V. Mosby Company 1979		251	\$10.95
<i>Developed for a respiratory therapy school program.</i>					
Jamieson & Kay's Textbook of Surgical Physiology Third edition	I. M. Ledingham C. Mackay (Editors)	New York Churchill Livingstone 1978		381	\$47.50
<i>Applied physiology of general surgery in 28 chapters, including fluid and electrolyte balance, respiratory system, the heart, circulation, blood, immunology, shock.</i>					
Principles and Practice of Blood-gas Analysis	A. P. Adams C. E. W. Hahn	London Franklin Scientific Projects Ltd. 1979		95	PNS
<i>Why and how blood gases are measured . . . a thorough insight into the principles and practice of blood-gas analysis.</i>					
Development of New Volatile Inhalation Anaesthetics (Monographs in Anaesthesiology, Volume 6)	A. B. Dobkin (Editor)	Amsterdam Elsevier/North Holland 1979		369	\$70.25
<i>History—halothane—azeotrope—methoxyflurane—enflurane—fluroxene—inhalational agents under investigation—biotransformation—toxicity in man—vaporizers—the future.</i>					
Mechanisms of Pain and Analgesic Compounds (Eleventh Miles International Symposium)	R. F. Beers, Jr. E. G. Bassett (Editors)	New York Raven Press 1979		496	\$39.50
<i>Proceedings of the Johns Hopkins Symposium. Includes discussions of neural mechanisms, endorphins, opioid analgesia, and new leads for analgesics.</i>					