

## NEW PUBLICATIONS

### GAMES, SPORTS AND EXERCISES FOR THE PHYSICALLY HANDICAPPED.

Ronald C. Adams, Alfred N. Daniel and Lee Rullman. Lea & Febiger, Philadelphia, 1972; 254 pp.

As stated in the preface, this book was written for therapists, teachers, students, and the physically handicapped. Games, sports, and exercises are specifically recommended for a number of disabling conditions, including amputations, quadriplegia, hemophilia, cerebral palsy, and scoliosis. A brief description of each condition is presented along with precautions that one should be aware of while planning activities for a disabled person.

Although this book is not of direct value to the prosthetist or orthotist, there are many equipment modifications described that enable a patient to enjoy a wider range of activities. These modifications include a simple adapter device that enables a patient with an upper-limb prosthesis to handle a bow and arrow, an additional device to help this patient play badminton, rifle and pistol holders, adapted rein bars for horseback riding, a swivel cue holder, and a three-track skiing outrigger.

This book would be a good reference for the orthotist or prosthetist who is occasionally confronted with the problem of designing and fitting adapted sports equipment for his patients, but would be of greatest value to physical and occupational therapists.

Count Fields, C.O.

### MANUAL OF MECHANICAL ORTHOPAEDICS.

Alfonso Tohen Z., M.D. Translated from Spanish by Robert W. Milam, M.D., and Enrique Lopez, M.D. Charles C Thomas, Publisher. Springfield, Illinois. 319 pp.

This text presents a description of prosthetic and orthotic systems and components with the

intention of formulating a succinct "quick reference manual" for those who are instrumental in the rehabilitation of the physically disabled.

Included in the book are illustrations covering many varied orthotic and prosthetic devices. The approach applied in the explanation of the orthosis or prosthesis is merely to name the components and state the average indication for patient use. The art work and pictures however are not elaborate and at times are oversimplified and outdated.

One would use this book as an elementary catalogue that does not dwell on theory, biomechanical principles, and current concepts in orthotic and prosthetic patient management.

Mark Yanke, C.O.

### UNDERSTANDING THE SCIENTIFIC BASES OF HUMAN MOVEMENT.

Alice L. O'Connell and Elizabeth B. Gardner, The Williams and Wilkins Company, Baltimore, 1972, 264 pp.

Well written and illustrated text on kinesiology that "attempts to interpret and apply some of the expanding knowledge of neurophysiology to the field of motor performance. It includes four chapters on the neuromuscular bases of movement (Chapters 10 to 13), to supplement the too often scanty coverage of such information in undergraduate curricula. The inclusion of Section III on proprioceptive reflexes is unique with this text and is presented to provide a background for enlarging the scope of kinesiological analysis. The final chapter deals with speculative postulations of reflex involvement in certain skills. It is offered in the hope that it may encourage the kinesiologist to include consideration of this aspect of human movement in his analysis and research, to recognize and investigate reflexes which may be assisting a performance, and to identify those which may be interfering and require voluntary inhibition. With such information available, he should

be better equipped to understand the difficulties encountered by the beginner in learning a new skill, and why the use of one method or technique produces better results than another. He can then improve the best of the older techniques and design new and more effective methods based on his expanded knowledge." *From the author's Foreword.*

**THE METRIC SYSTEM GUIDE—Volume I,**  
J. J. Keller & Associates, Inc., \$59.00.

In anticipation of the U.S. conversion to the metric system, J. J. Keller & Associates, Inc., has announced the publication of "The Metric System Guide—Volume I." This is the first and only such guide in the United States, and deals with orientation and structure of metrication in this nation.

The executive binder edition provides the basic background information necessary for understanding and evaluating the problems involved in metrication for America. "The Metric System Guide—Volume I" parallels the announcement by such major industries as General Motors, International Harvester, and the California School System to go metric. Its planning, research, and development have been several years in the making. From introduction to glossary, the first volume contains 15 comprehensive parts designed for specific background in the use of the metric system. It is first in a series of volumes on the Metric System; to be used individually or collectively.

The "Metric System Guide Bulletin," designed to present up-to-date information of the metric system, will be published monthly by Keller.

A fully descriptive brochure relative to the Series may be obtained by phoning 800-558-5011 Toll Free, or by writing J. J. Keller & Associates, Inc., 145 West Wisconsin Avenue, Neenah, Wisconsin 54956.

**TECHNOLOGY AND THE NEUROLOGICALLY HANDICAPPED.**

This 281-page publication consists of papers given at a conference cosponsored by the United

Cerebral Palsy Research Foundation and the National Aeronautics and Space Administration, September 8-10, 1971, and held at the NASA Ames Research Center, Moffett Field, California. The Chairman and Co-Chairman of the conference were Dr. Lee Arnold, Department of Aeronautics and Astronautics, New York University, and Dr. John Billingham, Life Science Directorate, NASA Ames Research Center, respectively.

Although few recommendations are offered in this collection of papers, the proceedings are a good source of reference to much of the research efforts in rehabilitation engineering in the United States. As the title might suggest, emphasis at this conference was on electrical engineering and electronics applied to problems of the physically handicapped.

Copies of the report may be obtained from the United Cerebral Palsy Foundation, 66 E. 34th Street, New York, New York 10016.

**YOU CAN DO IT FROM A WHEELCHAIR.**

Arlene E. Gilbert, Arlington House, New Rochelle, New York, 1973, 144 pp., \$6.95.

The author has been confined to a wheelchair by multiple sclerosis since 1965. Most of the text is concerned with duties of a housewife and some recreational activities.

**EQUIPMENT FOR THE DISABLED.** The National Fund for Research into Crippling Diseases, Nuffield Orthopaedic Centre, Oxford, England.

The third editions of Section 5—Personal Care, and Section 6—Leisure and Gardening, of this 10-volume series were published in November and December 1973, respectively, and are currently available from:

The National Fund for Research into  
Crippling Diseases

Vincent House, 1 Springfield Road  
Horsham, Sussex RH12 2PN, England

Each section has 55 pages and is available at £1.05 (including postage and packaging).