on sustained muscle action. Under the somewhat misleading title "Classification of Muscular Work", prime movers, fixation muscles, and synergists are extensively subdivided. At first sight this classification appears rather involved, but some such scheme is probably necessary to cover completely such movements as flexion of the arm at all stages. In Part III these principles are applied in formidable detail to athletics and industrial tasks. The book is profusely illustrated throughout, in many cases from films of famous athletes in action.

References to other work on the subject are not supplied and this is regrettable, however much fresh ground may have been broken by the author. The distinction between static and dynamic work is implied, but this fundamental difference might have been given more prominence, and, in view of the lengthy anatomical introduction, some space might have been devoted to oxygen consumption and efficiency of muscular work.

Many medical readers may not agree with the author's views about causation of many cases of fibrositis (strain and fatigue in certain muscles), Dupuytren's contracture (sustained contractions of muscles of the fourth and fifth fingers) or osteo-arthritis of the spine in women (stiff corsets associated with fixation of the lumbar spine).

This book is nevertheless a major contribution to the dynamics of human movements and the publisher's claim that it is essential to those concerned with athletic coaching, physical culture and education, occupational therapy, physical medicine, and industrial health, is to a large extent justified.

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RICHARD SCHILLING

THE JANUARY (1952) ISSUE

The January (1952) issue contains the following papers :—

Rheumatism in Miners. Part I : Rheumatic Complaints. By J. S. Lawrence and Jean Aitken-Swan.

A Study of the Conditions under which Methanol may Exert a Toxic Hazard in Industry. By G. Leaf and L. J. Zatman.

The Determination of Small Amounts of Tetranitromethane in Air. By V. B. Vouk and O. A. Weber.

Contribution à l'Etude de la Toxicologie du Trichloréthylène. II. By René Fabre and René Truhaut.

A Clinical-pathological Report of Eight Cases of Methyl Bromide Poisoning. By J. H. Prain and G. Harvey Smith.

Vanadium Poisoning from Cleaning Oil-fired Boilers. By N. Williams.

Salt Losses of Men Working in Hot Environments. By J. S. Weiner and R. E. van Heyningen.

Penetration of Dust Particles and Sites of Dust Stores in Pneumoconiosis. By Giacomo Mottura.

The Experimental Production of Radiographic Shadows by the Inhalation of Industrial Dusts. Part II : Zircon ($ZrSiO_4$). By H. E. Harding and T. A. Lloyd Davies.

Skin Cancer of the Hand and Forearm. By C. N. D. Cruickshank and A. Gourevitch.

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