BOEKBESPREKINGS: BOOK REVIEWS

HAEMODYNAMICS

nodynamics of Aortic and Mitral Valve Disease. Transichial studies. By A. J. Gordon, M.D., P. A. Kirschner, i. and H. L. Moscovitz, M.D. Pp. vii + 136. Illustrated. 5. New York and London: Grune and Stratton. 1961.

s indeed an excellent treatise and certainly no cardiac

tory should fail to acquire this book.

work deals with the authors' own investigations on dynamics of aortic and mitral valve disease, and while s no original contribution the studies and discussions are igh level.

is-bronchial puncture was the method of choice to enter t side of the heart whereas, of course, most centres now the trans-atrial puncture, using the Ross and Morrow lue.

e is a wealth of information. The authors stress that nary capillary wedge pressure is not invariably an

te presentation of left atrial pressure. experience mounted it became apparent that the pressure nce across the mitral valve must be recorded before urate haemodynamic assessment of mitral stenosis could de. No detectable pressure gradient exists across the

iormal valve.

n the mean left atrial pressure is compared with the gradient it appeared that a critical level is reached the left atrial pressure reaches 26 mm.Hg. Left atrial e at this level is often associated with gradients of rable magnitude and the gradients do not increase antly as left atrial pressures exceed this level.

difficulties of assessing the degree of mitral incompetence ixed valve lesions are also stressed, but no claims are

that it is easy to tell the degree of each lesion.

RY over V (RY/V) formula seemed to be closely to the severity of mitral stenosis, but with significant stenosis plus insufficiency this formula tended to break The authors also found that in pure mitral stenosis an left ventricular diastolic pressure measured 5 mm. Hg

on the average, being significantly lower than the figure given for normal subjects, which is 8-10 mm. Hg, and that after mitral valvotomy the left ventricular diastolic pressure rose even when no mitral incompetence is being produced.

Another fact stressed is that although the Q-1 delay occurs in mitral stenosis it is not specific, because it has also been

noted, for example, in hypertensive patients.

Pulsus alternans of the ventricular pressure in aortic stenosis is also referred to, and other workers are quoted in relation to this fact.

Graphs are shown illustrating the transformation from the central to the peripheral arterial pulse seen normally. In aortic stenosis, tracings taken when the catheter tip is withdrawn from the central aorta to the brachial show less changes than in any of the other conditions they studied.

There are 110 references to the basic literature on this

subject.

It is impossible in a brief review to mention all the points brought out in this treatise, and this book is highly recommended to anyone interested in modern haemodynamics.

M.N.

DRUG THERAPY

The Year Book of Drug Therapy. (1961-1962 Year Book series). Ed. by H. Beckman, M.D. Pp. 4 + 62 + 597. \$8.50. Chicago: Year Book Medical Publishers, Inc. 1962.

Professor Beckman has once again produced a valuable series of abstracts of the literature on drugs. With the rapid increase in all the diverse ramifications of the field of pharmacology this annual volume, with its critical editorial annotations, has become a most necessary work.

As in the two previous editions there is an important introductory section on the evaluation of new drugs, and notes on the latest products marketed by the commercial firms. Emphasis is laid on the need for scepticism and for confirmation of the manufacturer's claims by independent, disinterested and competent investigators. Practising physicians and research workers will gain much from a study of this book. N.S.