bances associated with endocrine disease and hormone therapy will have immediate clinical application. These papers will also serve as useful introductions for the student. They cover basic as well as clinical matters.

An extensive review of the effects of adrenocorticotrophic hormone and vasopressin on motivation, learning, and memory is provided by de Wied et al. Lipton et al. discuss polypeptide-releasing factors that originate in the hypothalamus and their effect on a variety of brain structures, particularly the anterior pituitary. The authors make the interesting point that the behavioral effects may be due both to the action of these substances on the pituitary and to their action on other brain structures. These two papers draw mainly on animal work and do not have immediate clinical applications. Two papers, one by Reinisch, the other by Money et al., focus on the effects of sex hormones on behavior. Reinisch reviews prenatal hormone exposure in animals and humans and discusses a number of measures of subsequent physical and psychological functioning. To me, this paper is the most interesting; there is a nice balance of animal and human data with a concern for conceptual and clinical implications, all presented lucidly and without apparent

The second section of the book looks in the other direction, at the effects of brain and behavior on endocrine function. Here the papers are somewhat more technical and narrowly focused, but several retain clinical relevance. This is particularly true of Wurtman and Fernstrom's paper on neuroendocrine effects of psychotropic drugs and of the two papers on anorexia nervosa, by Katz et al. and by Halmi. Psychopharmacologists contribute several papers relating to drug action and neurotransmitter substances. Carroll and Mendels's review of neuroendocrine regulation in affective disorders is the broadest and brings together a wide variety of information. It provides a splendid example of the balance and thoroughness that I believe should characterize papers for a

As always, there are topics omitted that might reasonably have been included. For example, a more detailed review of thyroid function and behavior would have been helpful. Likewise, little attention is given to the effect of psychopharmacologic agents on normal hormonal function.

The book would have benefited from an attempt by the editor to fill in the gaps and point to the future. This may be asking too much, however. The mixture of basic and clinical and animal and human research accentuates the need for a better focus or synthesis. The volume as it stands is worthwhile and will make exciting reading for the biologically oriented clinician and student and will be a ready resource for the researcher in this area.

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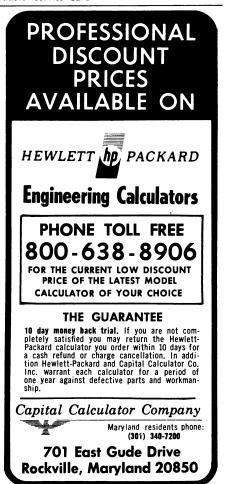
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