

concentration on Ca-45 uptake in frog sartorius muscle. *J. Cell. Comp. Physiol.* 65:385, 1965.

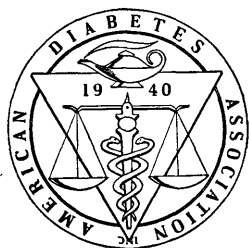
¹⁶ Filsell, O. H., and Jarrett, I. G.: Adenosine-triphosphatase activity and nicotinamide nucleotide coenzymes in the parotid gland of the young lamb and adult sheep. *Biochem. J.* 97: 479, 1965.

¹⁷ Telfer, N.: Exchangeable potassium in diabetes. *Metabo-*

lism 15:502, 1966.

¹⁸ Rappaport, M. I., and Hurd, H. F.: Thiazide-induced glucose intolerance treated with potassium. *Arch. Intern. Med.* 113:405, 1964.

¹⁹ Conn, J. W.: Hypertension, the potassium ion and impaired carbohydrate tolerance. *New Eng. J. Med.* 273:1135, 1965.



EDITORIAL

CHANGE IN EDITORS

The Journal DIABETES salutes Dr. Irving Graef in this final issue published under his Editorship. Dr. Graef became Associate Editor in 1956, and succeeded Dr. William C. Stadie as Editor in 1960. During his tenure as Editor, the Journal DIABETES has enjoyed unusual growth for a periodical devoted to a single disorder and its related metabolic problems.

There have been remarkable changes in DIABETES during this period. The number of manuscripts received annually has been ever increasing thus allowing representation of many interests. Of particular note is the acquisition of papers reporting new work in the basic sciences. Dr. Graef has consistently encouraged new ideas and has striven for literary excellence. He has been alert to new developments, particularly abroad, and has featured them in "Brief Notes and Comments" and in editorials.

The Journal thanks Dr. Graef for his untold hours of work, conscientious correspondence with authors, encouragement of the young writer, and development of DIABETES to its present status. The new Editor, Dr. Harvey C. Knowles, Jr., with Dr. David M. Kipnis and Dr. Henry T. Rickerts as Associate Editors, will endeavor to continue publication at the same levels of enthusiasm and excellence set by Dr. Irving Graef.

ABSTRACTS

Angervall, L.; and Sæve-Söderbergh, J. (Patholog. Institute and Sahlgrenska Sjukhuset, Univ. of Göteborg, Sweden): MICRO-ANGIOPATHY IN THE DIGESTIVE TRACT IN SUBJECTS WITH DIABETES OF EARLY ONSET AND LONG DURATION. *Diabetologia* 2:117-22, 1966.

Verbatim Summary. The digestive tract has been examined by light microscopy in seventeen subjects with diabetes of early onset, long duration and with various causes of death, in six "normal" controls and ten controls with uremia and/or hypertension. In the diabetics grave lesions were demonstrated to a large extent in the capillaries and venules of the oral mucosa, and in small arteries and arterioles in the gastrointestinal tract (from the oesophagus to rectum). The capillary and venular lesions were similar to those earlier described in the skin of diabetics. The arterial lesion was characterized by a hyalin, strongly PAS-positive, picrinophilic (eosinophilic), richly fat-containing (sudanophilic) wall thickening accompanied by heavy reduction of the lumen, endothelial atrophy and medial degeneration. Similar arterial lesions were demonstrated in the kidneys, pancreas, liver, spleen, adrenal glands, testes, prostate and ovaries. The study suggests that hypertension was not of essential importance to the development of

the arterial lesions. It is assumed that the grave arterial lesion accentuates terminally in the course of diabetes, where final complications such as ischemia and adrenocortical overactivity are of pathogenetic significance.

Anselmino, K. J.; and Hoffmann, F. (Rheinische Landesfrauenklinik Wuppertal, and Evangelisches Krankenhaus, Essen-Werden, W. Germany): THE PANCREATOPHIC (INSULOTROPIC) PRINCIPLE OF THE ANTERIOR PITUITARY GLAND. *Deutsch. Med. Wschr.* 91:1401-05, August 1966.

A review of the authors' early experiments regarding the existence of an insulotropic hormone supposedly elaborated by the anterior pituitary gland. They suggest, and quote some circumstantial evidence from the literature, that the active principle is not identical with growth hormone. O.V.S.

Benjamin, Fred; and Casper, Donald J. (Depts. Obstet. and Gynec., Queens Hosp. Center Affiliation and Long Island Jewish Hosp., Jamaica, N.Y.): ALTERATIONS IN CARBOHYDRATE METABOLISM INDUCED BY PROGESTERONE IN CASES OF ENDOMETRIAL CARCINOMA AND HYPERPLASIA. *Amer. J. Obst. Gynec.* 94:991-96, April 1, 1966.

The effect of a long-acting progestational compound, Dela-