Contents

No. 2. November 1960

Adams, C. W. M., Fernand, V. S. V. and Schnieden, H. Changes in the adrenal and pituitary gland in experimental malnutrition . . . 137
Edwards, R. G. and Fowler, Ruth E. Superovulation treatment of adult mice: their subsequent natural fertility and response to further treatment 147
Brush, M. G. The effect of ACTH injections on plasma corticosteroid levels and milk yield in the cow . . . 155
Bentley, P. J. The effects of vasopressin on the short-circuit current across the wall of the isolated bladder of the toad, Bufo marinus . . . 161
Shuster, S. Antidiuretic hormone and corticotrophin release in man . . 171
Körner, A. The role of the adrenal gland in the control of amino acid incorporation into protein of isolated rat liver microsomes . . . 177
Harrison, M. and Fraser, Russell. Bone metabolism in rats, studied with stable strontium . . . 191
Harrison, M. and Fraser, Russell. Bone structure and metabolism in calcium-deficient rats . . . 197
Harrison, M. and Fraser, Russell. The parathyroid glands and calcium deficiency in the rat . . . 207
Sharp, G. W. G. The effect of light on diurnal leucocyte variations . . 213
Sharp, G. W. G. The effect of light on the morning increase in urine flow . 219
Rodeck, H., Lederis, K. and Heller, H. The hypothalamo-neurohypophysial system in old rats . . . 225
Karam, J., Harrison, M. and Fraser, Russell. The effect of reserpine on goitre induced by thiouracil . . . 229
Good, B. F., Hetzel, B. S. and Opit, L. J. Effects of salicylate on plasma protein-bound iodine in thyroxine-maintained thyroidectomized rats . . 231
Dean, R. H. Endocrine activity of the early placenta of the guinea-pig . 235
Plunkett, E. R., Squires, B. P. and Richardson, S. J. The effect of relaxin on thyroid weights in laboratory animals . . . 241

No. 3. December 1960

Kushinsky, S. and Wu, Jane. Effect of alkali on urinary oestrogens . . 247
Phillips, R. E. and Tienhoven, A. Van. Endocrine factors involved in the failure of pintail ducks Anas acuta to reproduce in captivity . . . 253
Brooks, R. V. and Prunty, F. T. G. Patterns of steroid excretion in three types of post-pubertal hirsutism . . . 263
Brooks, R. V. The metabolism of 17α-hydroxyprogesterone in congenital adrenal hyperplasia . . . 277
Paul, J. and Pearson, Enid S. The action of insulin on the metabolism of cell cultures. 287

Woodhead, A. D. The presence of adrenocorticotropic hormone in the pituitary of the Arctic cod, Gadus morhua L. 295

Gore, Marion B. R. and Baron, D. N. Estimation and identification of free and conjugated corticosteroids in human plasma. 303

Edgar, D. G. and Asdell, S. A. The valve-like action of the utero-tubal junction of the ewe. 315

Edgar, D. G. and Asdell, S. A. Spermatozoa in the female genital tract. 321

Braunsberg, Hannelore and James, V. H. T. The determination of adrenocortical steroids in blood. Results in normal individuals and adrenal hyperfunction. 327

Lindner, H. R. and Mann, T. Relationship between the content of androgenic steroids in the testes and the secretory activity of the seminal vesicles in the bull. 341

Mann, T., Rowson, L. E. A. and Hay, Mary F. Evaluation of androgenic and gonadotrophic activity in male twin calves by analysis of seminal vesicles and semen. 361

No. 4. February 1961

Glascock, R. F. and Jones, H. E. H. The uptake of hexoestrol by plants and its persistence in soil. 373


Reich, Magda and McDonald, I. R. The effect of progressive sodium depletion on corticosteroid secretion by the autotransplanted adrenal gland of conscious sheep. 387

Benson, G. K., Cowie, A. T. and Hosking, Zena D. Mammogenic activity of miroestrol. 401

Robertson, H. A. and Falconer, I. R. The estimation of thyroid activity: an evaluation of certain parameters. 411

Williams, E. D. and Doniach, I. The antithyroid activity of the anticoagulant phenylindanedione. 421

Clegg, E. J. Further studies on artificial cryptorchidism: quantitative changes in the interstitial cells of the rat testis. 433

Ottaway, J. H. The effects of growth hormone and ketone bodies on carbohydrate metabolism in diaphragm from normal and hypophysectomized rats. 443