CONTENTS OF VOL. 30

No. 1. August 1964

HARPER, M. J. K. The effects of constant doses of oestrogen and progesterone on the transport of artificial eggs through the reproductive tract of ovariectomized rabbits .......................................................... 1

MARTIN, L. Further studies on the use of tetrazolium in the biological assay of oestrogens .................................................................................................................. 21

RIVERA, EVELYN M. Maintenance and development of whole mammary glands of mice in organ culture ........................................................................................................... 33

MARTIN, L. and BAGGETT, B. The uptake of locally applied [6:7-3H]oestrone by the vagina of the ovariectomized mouse ................................................................. 41

MARQUES, M., MUNDT, C. and RIET CORRÊA, P. Influence of castration and sex hormone administration on the sensitivity of rat adipose tissue to insulin ................................................................. 53

MONTEMURRO, D. G. Weight and histology of the pituitary gland in castrated male rats with hypothalamic lesions ................................................................. 57

THOULD, A. K. and SCOWEN, E. F. The syndrome of congenital deafness and simple goitre ................................................................................................................. 69

CONNOR, AILEEN F. The excretion of human chorionic gonadotrophin in normal pregnancy. An immunological investigation ..................................................... 79

ZARROW, M. X. and BROWN-GRANT, K. Inhibition of ovulation in the gonadotrophin-treated immature rat by chlorpromazine .................................................. 87

FOSTER, C. L. and CAMERON, E. Cytological changes in the adenohypophysis of the rabbit after castration ................................................................. 97

BENTLEY, P. J. The effects of N-ethylmaleimide and glutathione on the isolated rat uterus and frog bladder with special reference to the action of oxytocin ........................................................................................................ 103

HEALD, P. J. and ROOKLEDGE, K. A. Effect of gonadal hormones, gonadotrophins and thyroxine on plasma free fatty acids in the domestic fowl 115

GINSBURG, M. and IRELAND, M. Binding of vasopressin and oxytocin to protein in extracts of bovine and rabbit neurohypophyses ........................................ 131

SHORT COMMUNICATIONS

BAUMAN, J. W., GUYOT-JEANNIN, C. and DOBROWOLSKI, J. Nutritional state and urine concentrating ability in the rat ..................................................... 147

CHESTER JONES, I., VINSON, G. P., JARRETT, I. G. and SHARMAN, G. B. Steroid components in the adrenal venous blood of Trichosurus vulpecula (Kerr) ................................................................. 149
Contents

NILSSON, O. The acriflavine method, a rapid morphological test of the effect of oestrogen on the mouse uterus ............................. 151

CARLISLE, D. B. and ELLIS, PEGGY E. Effect of 2-chloro-ethanol on maturation of locusts .................................................. 153

CHESTER JONES, I., HENDERSON, I. W. and MOSLEY, W. Methods for the adrenalectomy of the European eel (Anguilla anguilla L.) ....... 155

No. 2 September 1964

SUCHOWSKY, G. K. and BALDRATTI, G. Relationship between progestational activity and chemical structure of synthetic steroids ......... 159

HAMBERGER, L. and AHRÉN, K. Influence of the adrenal cortex on growth processes in the rat mammary gland ............................. 171

EDWARDS, R. W. H., MAKIN, H. L. J. and BARRATT, T. M. The steroid 11-oxygenation index; a rapid method for use in the diagnosis of congenital adrenal hyperplasia .................................................. 181

MORRIS, B. and STEEL, E. D. The absorption of antibody by young hedgehogs after treatment with cortisone acetate .......................... 195

POULSON, EVELYN and ROBSON, J. M. Effect of phenelzine and some related compounds on pregnancy and on sexual development ........ 205

FUCHS, ANNA-RIITTA. Oxytocin and the onset of labour in rabbits .......... 217

LASNITZKI, ILSE. The effect of hydrocortisone on the ventral and anterior prostate gland of the rat grown in culture ............................ 225

HARPER, M. J. K. The effect of chlormadinone on the response of the ovaries and uterus of the immature rat to gonadotrophic stimulation .... 235

GRIFFITHS, K., GRANT, J. K. and SYMINGTON, T. Steroid biosynthesis 'in vitro' by granulosa-theca cell tumour tissue .......................... 247

DALY, J. R. and SPENCER-PETT, J. Fluorimetric determination of adrenal corticosteroids: observations on interfering fluorogens in human plasma 255

SHORT COMMUNICATIONS

DÖRNER, G. and DÖCKE, F. A sex-specific reaction of the hypothalamo-hypophysial system of rats ........................................ 265

McCAA, CONNIE S., READ, VIRGINIA H., SULYA, L. L. and ARHELGER, R. B. Localization by radioautography of tritiated aldosterone in liver tissue .......................................................... 267

HARDEN, R. McG. The effect of complete fasting on the plasma and urinary iodide in hypothyroid patients ........................................ 269

YAMASHITA, K. Progestational effect of androgenic steroids in the rabbit endometrium .......................................................... 271

STOWARD, P. J. and ADAMS SMITH, W. N. The histochemical demonstration of ketosteroids .......................................................... 273