Contents

SAKAGUCHI, TAKEO and YAMAGUCHI, KEN’ICHI. Effects of vagal stimulation, vagotomy and adrenalectomy on release of insulin in the rat .................................................. 131

LIJNEN, P., AMERY, A., FAGARD, R., and VERSCHUEREN, L. Biological significance of active and inactive renin in man ........................................... 137

HICKMAN-SMITH, DAVID and KUHN, N. J. Diurnal variation in the inducibility of luteal 20α-hydroxysteroid dehydrogenase in pregnant rats .................. 145

MURAKAMI, EIKI, HIWADA, KUNIO and KOKUBU, TATSUO. Effects of insulin and glucagon on production of renin substrate by the isolated rat liver .................. 151

CLARK, B. F. Absence of oestradiol-17β dehydrogenase from the progesteronedominated mouse uterus .................................................. 155

MANNING, R. M., HENDY, G. N., PAPAPOULOS, S. E. and O’RIORDAN, J. L. H. Development of homologous immunological assays for human parathyroid hormone ............... 161

BAIMBRIDGE, K. G. and TAYLOR, T. G. Role of calcitonin in calcium homoeostasis in the chick embryo .................................................. 171

No. 2 May 1980

PUR, R. K. and ROY, S. K. Incorporation of [U-14C]glucose in vitro by the various parts of the Fallopian tube and uterus of the rabbit during ovum transport ................. 189

SINGH, H. and SINGH, T.P. Short-term effect of two pesticides on the survival, ovarian 32P uptake and gonadotrophic potency in a freshwater catfish, Heteropneus fosillis (Bloch) .............................................................................................................. 193

SYKES, S., MORGAN, L. M., ENGLISH, J. and MARKS, V. Evidence for preferential stimulation of gastric inhibitory polypeptide secretion in the rat by actively transported carbohydrates and their analogues ................................................. 201

WILSON, SUSAN, C. and CUNNINGHAM, F. J. Concentrations of corticosterone and luteinizing hormone in plasma during the ovulatory cycle of the domestic hen and after the administration of gonadal steroids ...................... 209

DALLE, M., EL HANI, A. and DELOST, P. Changes in cortisol binding and metabolism during neonatal development in the guinea-pig .................................................. 219

KHAR, ASHOK, TAVERNY-BENNARDO, T. and JUTISZ, MARIAN. Effect of thyroid hormones on gonadotrophin release and biosynthesis using rat pituitary cell cultures .................................................. 229

FORSLING, MARY, L., AZIZ, LEEDY A., MILLER, M., DAVIES, R. and DONOVAN, B. Conversion of triglycylvasopressin to lysine-vasopressin in man .................. 237

BRENNAN, A., POVEY, P. M., REES SMITH, B. and HALL, R. Shedding of surface proteins by porcine thyroid cells .................................................. 245

FORSLING, MARY L., INGRAM, D. L. and STANIER, M. W. Plasma antidiuretic hormone during hypoxia and anaesthesia in pigs .................................................. 253

TOH, YEE CHU. Role of the gonads in the regulation of sebaceous glands in rats: comparison of the effects of castration at and after birth .................................................. 261
Cockerill, P. N., Cornell, H. J. and Herington, A. C. Partial purification of low molecular weight non-suppressible insulin-like activity from human plasma: demonstration of the presence of multiple forms .................. 267
Delrio, Giovanni, Citarella, Franca and D'Istria, Michela. Androgen receptor in the thumb pad of Rana esculenta: dynamic aspects .................. 279
Sasaki, F. and Sano, M. Role of the ovary in the sexual differentiation of prolactin and growth hormone cells in the mouse adenohypophysis during postnatal development: a stereological morphometric study by electron microscopy ........ 283
Tang, B. Y. and Adams, N. R. Effect of equol on oestrogen receptors and on synthesis of DNA and protein in the immature rat uterus .................. 291
Barkley, M. S. Concentrations of luteinizing hormone in the serum of male mice after short-term aggressive interaction .................. 299
Blank, M. S., Panerai, A. E. and Friese, H. G. Effects of naloxone on luteinizing hormone and prolactin in serum of rats .................. 307
Mathieson, R. A. and Kitts, W. D. Binding of phyto-oestrogen and oestradiol-17β by cytoplasmic receptors in the pituitary gland and hypothalamus of the ewe .................. 317
Bruce, N. W., Meyer, G. T. and Dimmitt, S. B. Progesterone secretion and ovarian blood flow in the pregnant rat .................. 327
Södersten, P. and Eneroth, P. Neonatal treatment with antioestrogen increases the diurnal rhythmicity in the sexual behaviour of adult male rats .................. 331
Greenstein, B. D. An assay for RNA polymerase activity in rat brain nuclei: effects of injection of oestradiol benzoate .................. 341

PROCEEDINGS OF THE SOCIETY FOR ENDOCRINOLOGY

EDITOR: W. A. KELLY

ONE HUNDRED AND FIFTY-EIGHTH MEETING

(Communications appearing as titles only are not included in the contents list or index)

Arendt, J., Forbes, J. M., Brown, W. B. and Marston, A. Effect of pinealectomy on immunoassayable melatonin in sheep .................. 1P
Everard, D., Wilson, C. A. and Thody, A. J. Effect of α-melanocyte-stimulating hormone and related peptides on lordosis behaviour in female rats .................. 2P
Wilson, C. A. and Daly, C. C. Stimulation of ovulation and gonadotrophin release by intra-hypothalamic dopamine in the rat .................. 3P
Lightman, S. L. and Forsling, Mary L. Inhibition of vasopressin release by naloxone .................. 3P
Buckingham, Julia C. Synergism between corticotrophin releasing factor and vasopressin .................. 4P
Mistry, P. and Maynard, P. V. Androgen content of human breast tumours .................. 6P