

## B I B L I O G R A P H Y

- Abe, K. and Critchlow, V. 1977. Effects of corticosterone, dexamethasone, and surgical isolation of the medial basal hypothalamus on rapid feedback control of stress induced corticotropin secretion in female rats. Endocrinology, **101** : 498-505.
- Adams, B.M. 1968. Effect of cortisol on growth and uric acid excretion in the chick. J. Endocr., **40** : 145.
- Akram, H. and Weniger, J.P. 1969. Secretion d'oestrone et d' oestradiol par les gonades embryonnaires d'oiseaux. Gen. Comp. Endocrinol., **12** : 568-573.
- Alario, P., Gamallo, A., Beato, M.J. and Tranco, G. 1987. Body weight gain, food intake and adrenal development in chronic noise stressed rats. Physiol. Behav., **40** : 29-32.
- Allen, D.O. and Beck, R.R. 1972. Alterations on lipolysis, adenylate cyclase and adenosine 3',5'-Monophosphate levels in isolated fat cells following adrenalectomy. Endocrinology, **91** : 504-510.
- Amando, F.P.J., Antonio, P.C., Bengoechaea, M.E. and Alvarez, J.A.V. 1988. Histofunctional study of the liver after corticoid administration. Rev. Esp Enferm Apar Dig, **74** : 305-311.
- Andrews, M.J. and Turner, J.M. 1966. Pyridoxal and pyridoxamine phosphate breakdown by an acid phosphatase preparation. Nature (London), **210** : 1159.
- Antopol, W. 1950. Anatomic changes produced in mice treated with excessive doses of cortisone. Proc. Soc. Exp. Biol. Med., **73** : 262-265.
- Aoyama, H., Natsuko, M. and Wataru, M. 1987. Antiglucocorticoid effects of melatonin on adult rats. Acta Pathol. Jpn., **37** : 1143-1148.

- Arimura, A., Bowers, C.Y., Schally, A.V., Saito, M. and Miller, M.C.III 1969. Effect of corticotropin-releasing factors, Dexamethasone and Actinomycin D on the release of ACTH from rat pituitaries in vivo and in vitro. Endocrinology, **85** : 300-311.
- Assenmacher, I. 1973. The peripheral endocrine glands. In: Avian Biology (D.S. Farner, and J.R. King eds.) Vol. 3, pp. 183-286. Academic Press New York.
- Assenmacher, I. and Boissin, J. 1972. Circadian endocrine and related rhythms in birds. Gen. Comp. Endocrinol. Suppl., **3** : 489-498.
- Ayyar, C.B. and Ramachandran, A.V. 1987. Adrenal gonad relationship: A histophysiological study in the feral blue rock pigeon, Columba livia. Ph.D. thesis M.S. University of Baroda, Baroda.
- Ayyar, C.B. and Ramachandran, A.V. 1990. Seasonal gravimetric changes in the organs of normal and adrenal manipulated feral blue rock pigeon, Columba livia. J. yomashina Inst. Ornithol., Jpn. (communicated)
- Bacq, Z.M. and Alexander, P. 1961. In: Fundamental of Radiobiology. Pergamon Press, New York.
- Balasubramanian, K., Michael Aruldas, M. and Govindarajulu, P. 1987. Effect of corticosterone on rat epididymal lipids. J. Androl., **8** : 69-73
- Baldwin, D.M. and Sawyer, C.H. 1974. Effects of dexamethasone on LH release and ovulation in the cyclic rat. Endocrinology, **94** : 1397-1403.
- Ballard, P.L. 1979. 'Glucocorticoids and differentiation'. In: Glucocorticoid hormone action. Baxter, J.D. and Rousseau, G.G. (Eds.) pp. 493-515. Springer-Verlag New York.

- Ballard, F.J. and Hanson, R.W. 1967. Changes in lipid synthesis in rat liver during development. Biochem. J., **102** : 952-958.
- Ballard, F.J. and Oliver, I.T. 1963. Glycogen metabolism in embryonic chick and neonatal rat liver. Biochim. Biophys. Acta, **71** : 578-588.
- Ballard, F.J. and Oliver, I.T. 1965. Carbohydrate metabolism in liver from foetal and neonatal sheep. Biochem. J., **95** : 191-200.
- Balough, K. 1966. Histochemical determination of  $3\alpha$ -hydroxy-steroid dehydrogenase activity. J. Histochem. Cytochem., **17** : 77-83.
- Bartov, I. 1982. Corticosterone and fat deposition in broiler chicks: Effect of injection time, breed, sex and age. British Poult. Sci., **23** : 161-170.
- Bartov, I., Jensen, L.S. and Veltmann, JR. 1980a. Effect of corticosterone and prolactin on fattening in broiler chicks. Poult. Sci., **59** : 1328-1334.
- Bartov, I., Jensen, L.S. and Veltmann, JR. 1980b. Effect of dietary protein and fat levels on fattening of corticosterone injected broiler chicks. Poult. Sci., **59** : 1864-1872.
- Baum, G.J. and Meyer, R.K. 1960. Effect of adrenal steroids and diethylstilbestrol on growth and fat content of cockerels. Am. J. Physiol., **198** : 1263-1266.
- Beebee, J.C.T. and Carty, D.S. 1983. A study of lactate dehydrogenase levels and turnover rates during post-natal development in the rat. Biochimica et Biophysica Acta, **757** : 209-218.
- Bell, D.J. and Freeman, B.M. (Eds.) 1984. Physiology and Biochemistry of the domestic fowl. Vols. 1,2,3,4 and 5. London : Academic Press.

- Bellamy, D., Dulieu, K., and Leonard, R.A. 1968a. Glutamic pyruvic transaminase and gluconeogenesis in liver slices: A comparison of the effect of cortisol injection with treatment in vitro. Endocrinology, **38** : 359-360.
- Bellamy, D. and Leonard, R.A. 1964. The effect of cortisol on the activity of glutamic pyruvic transaminase and the formation of glycogen and urea in starved rats. Biochem. J., **93**: 331-336.
- Bellamy, D. and Leonard, R.A. 1965. Effects of cortisol on the growth of chicks. Gen. Comp. Endocrinol., **5** : 402-410.
- Bellamy, D., Leonard, R.A. and Dulieu, K. 1968b. Hepatic gluconeogenesis in rats treated with cortisol. Gen. Comp. Endocrinol., **10** : 434-437.
- Bengt, S. 1979. Activity of adrenal glands in pied flycatcher, Ficedula hypoleuca and its relation to testicular regression. Gen. Comp. Endocrinol., **38** : 162-171.
- Bergtold, W.H. 1913. A study of the house Finch. Auk, **30** : 40-73.
- Bhujle, B.V. and Nadkarni, V.B. 1977. Steroid synthesizing cellular sites in the developing gonads of the domestic pigeon, Columba livia. In: "Proc. First International symposium on Avian Endocrinology, Calcutta Jan. 1977" (B.K. Follett ed.) Abstract 77.
- Bhujle, B.V., Nadkarni, V.B. and Appaswamy Rao, M. 1979. Steroid-synthesizing cells in the embryonic and adult gonads of the domestic pigeon Columba livia (Gmelin). Gen. Comp. Endocrinol., **38** : 153-161.
- Biswas, N.N. and Deb, C. 1970. In Vitro studies on the effects of ascorbic acid and dehydroascorbic acid on  $\Delta^5$   $3\beta$ -hydroxysteroid dehydrogenase in toad testis. Endocrinology, **87** : 170-173.

- Black, V.H., Brody, R.I. and Martin, K.O. 1988. 3-Hydroxy-3-Methyl-glutaryl Coenzyme A reductase in guinea pig adrenal inner and outer cortices : Effects of adrenocorticotropin and dexamethasone. Endocrinology, 122 : 296.
- Blank, M.L. and Synder, F.L. 1970. Specificities of alkaline and acid phosphatases in the dephosphorylation of phospholipids. Biochemistry, 9 : 5034-5036.
- Blem, C.R. 1976. Patterns of lipid storage and utilization in birds. Am. Zool., 16 : 671.
- Blivaiss, B.B. 1947. Development of secondary sexual characters in thyroidectomized Brown Leghorn hens. J. Exp. Zool., 104 : 267-305.
- Boas, N.F. 1958. Endocrinology, 63 : 323-328. As cited by Lake and Furr, 1971.
- Bodansky, O. and Money, W.L. 1954. Rates of development and regression of changes during and after prolonged cortisone administration in rats. Endocrinology, 55 : 173-185.
- Borges, M., Eisenstein, Z., Burger, A.G. and Ingbar, S.H. 1981. Immunosequestration: A new technique for studying peripheral iodothyronine metabolism in vitro. Endocrinology, 108 : 1665-1671.
- Botte, V. and Rosati, P. 1964. IL colesterole e la  $\Delta^5$ -3B-idrossisteroide deidrogenasi nelle cellule interstiziali del testicolo di pollo trattato con estrogeni. Acta Med. Vet., 10 : 3-11.
- Bottoms, G. and Goetsch, D.D. 1968. Effects of corticosterone on oxidative metabolism in different tissues of the rat. Gen. Comp. Endocrinol., 10 : 310-314.

- Bradfield, J.R.G. 1951. Phosphatases and nucleic acids in silk glands: Cytochemical aspects of fibrillar protein secretion. Quart. J. Micr. Sci., 92 : 87-112.
- Brake, N.P., Brake, J., Thaxton, J.P. and Murray, D.L. 1988. Effect of cortisol on cutaneous basophil hypersensitivity to phytohemagglutinin in chickens. Poult. Sci., 67 : 669-673.
- Bransome, E.D. 1968. Regulation of adrenal growth. Differences in the effects of ACTH in normal and dexamethasone suppressed guinea pigs. Endocrinology, 83 : 956-964.
- Brody, R.I. and Black, V.H. 1988. Acyl-Coenzyme A: Cholesterol Acyl transferase and Cholesterol Ester Hydrolase in the outer and inner cortices of the guinea pig adrenal : Effects of adrenocorticotropin and dexamethasone. Endocrinology, 122 : 1722-1731.
- Brooks, V.L., Daneshwar, L. and Reid, I.A. 1988. The role of ACTH in the cortisol and aldosterone responses to angiotensin II in conscious dogs. Endocrinology, 122 : 97-104.
- Brown, K.I., Brown, D.J. and Meyer, R.K. 1958. Effect of surgical trauma, ACTH and adrenal cortical hormones on electrolytes, water balance, and gluconeogenesis in male chicken. Am. J. Physiol., 192 : 43.
- Burger, J.W. 1938. Cyclic changes in the thyroid and adrenal cortex of the male starling Sturnus vulgaris and their relation to the sexual cycle. Amer. Natur., 72 : 562-570.
- Burstone, M.S. 1962. Enzyme histochemistry and its applications in the study of neoplasm. pp. 1-164. Academic Press, New York.

- Butcher, R.W. and Sutherland, E.W. 1962. Adenosine 3',5'-monophosphate in biological material. I. Purification and properties of cyclic 3',5'-nucleotide phosphodiesterase and use of this enzyme to characterize adenosine 3',5'-phosphate in human urine. J. Biol. Chem., 237 : 1244-1250.
- Buyse, J., Decuypere, E., Sharp, P.J., Huybrechts, L.M., Kuhn, E.R. and Whitefield, C. 1987. Effect of corticosterone on circulating concentrations of corticosterone, prolactin, thyroid hormones and somatomedin C and on fattening in broilers selected for high or low fat content. J. Endocr., 112 : 229-237.
- Cahill, G.F. Jr., Ashmore, J., Zottu, S. and Hasting, A.B. 1957. Studies on carbohydrate metabolism in rat liver slices. IX. Ionic and hormonal effects on phosphorylase and glycogen. J. Biol. Chem., 224 : 237-250.
- Callard, P.I. and Chan, D.K.O. 1972. Hormonal effects on liver glycogen and blood sugar level in the iguanid lizard, Dipsosaurus dorsalis. Gen. Comp. Endocrinol., 18 : 552-556.
- Cannon, P.R., Frazier, L.E. and Hughes, R.H. 1956. The influence of cortisone upon protein metabolism. Arch. Pathol., 61 : 271-279.
- Carnes, M., Barksdale, C.M., Kalin, N.H., Brownfield, M.S. and Lent, S.J. 1987. Effects of dexamethasone on central and peripheral ACTH systems in the rat. Neuroendocrinology, 45 : 160-167.
- Carsia, R.V., Morin, M.V., Rosen, H.D. and Weber, H. 1987. Ontogenic corticosteroidogenesis of the domestic fowl. Response of isolated adrenocortical cells. Proc. Soc. Exp. Biol. Med., 184 : 436-445.

- Chacko, S.M. 1987. Certain investigations on the involvement of adrenal and thyroid on tail regeneration in the Gekkonid lizard, Hemidactylus flaviviridis. Ph.D. thesis, M.S. University of Baroda, Baroda, India.
- Chan, D.K.O. and Woo, N.Y.S. 1978. Effect of cortisol on the metabolism of the eel, Anguilla japonica. Gen. Comp. Endocrinol., 35 : 205-215.
- Chatterjee, I.B., Kar, N.C., Ghosh, N.C. and Ghosh, B.C. 1961. Ann. N. Y. Acad. Sci., 92 : 36.
- Chaturvedi, C.M. and Thapliyal, J.P. 1978. Effect of orchidectomy and male hormone administration on the adrenal of common myna, Acridotheres tristis. Ann. D'. Endocrinology, 8 : 417-420.
- Chaturvedi, C.M. and Thapliyal, J.P. 1980. Light responses of thyroidectomy in common myna, Acridotheres tristis. Gen. Comp. Endocrinol., 42 : 160-162.
- Chieffi, G., Manelli, H., Botte, V. and Mastrolia, T.L. 1964. Sulla distribuzione del colesterole e della  $\Delta^5$ -3-idrossisteroide deidrogenasinella gonadale embrionale di pollo. Ric. Sci., 5 : 2B 77-81.
- Chignell, C.F. and Titus, E. 1966. Effect of adrenal steroids on  $\text{Na}^+ - \text{K}^+$  requiring adenosine triphosphatase from rat kidney. J. Biol. Chem., 241 : 5083.
- Chinoy, N.J. 1972a. Ascorbic acid levels in avian tissues and its metabolic significance. Acta Zoologica, 53 : 121-126.
- Chinoy, N.J. 1972b. Ascorbic acid levels in mammalian tissues and its metabolic significance. Comp. Biochem. Physiol., 43A : 945-952

- Chinoy, N.J., Laliwala, S.M., Parmar, P.Y. and Shah, V.C. 1974b. Metabolism of ascorbic acid in developing chick embryos and its significance. Acta Histochem. et Cytochem., Japan 7 : 140-146.
- Chinoy, N.J. and Parmar, P.Y. 1975a. Ascorbic acid metabolism in post-hatched chicken tissues under normal and inanition conditions. I. In some ascorbic acid and hormone synthesizing tissues. Pavo, 13 : 47-53.
- Chinoy, N.J. and Parmar, P.Y. 1975b. Ascorbic acid metabolism in post-hatched chicken tissues under normal and cold-stressed conditions. I. In some ascorbic acid and hormone synthesizing tissues. Pavo, 13 : 54-65.
- Chinoy, N.J., Parmar, P.Y., Laliwala, S.M. and Shah, V.C. 1974a. Ascorbic acid turnover in developing chick embryonic tissues and its metabolic significance. Acta Zool., 55 : 1-6.
- Chowers, I., Conforti, N. and Feldman, S. 1967. Neuroendocrinology, 2 : 193. As cited by Arimura et al., 1969.
- Cohen, S.R. 1970. Catabolic reactions in the nervous systems. In: Handbook of neurochemistry. Vol. III Chapter IV. Lajtha, A. (ed.)
- Conn, J.W. and Fajans, S.S. 1956. Influence of adrenal cortical steroids on carbohydrate metabolism in man. Metabolism, 5 : 114-127.
- Conner, M.H. 1959. Poult. Sci., 38 : 1340-1343. As cited by Lake and Furr, 1971.
- Coulson, R.A. and Hernandez, T. 1953. Glucose in crocodilia. Endocrinology, 53 : 311-320.
- Cramb, G., Langslow, D.R. and Phillips, J.H. 1982. The binding of pancreatic hormones to isolated chicken hepatocytes. Gen. Comp. Endocrinol., 46 : 297.

- Crawford, N. 1958. An improved method for the determination of free and total cholesterol using ferric chloride reaction. Clinica Chem. Acta, 3 : 357-367.
- Cuzzocrea, G., Stefano, F.De and Lino, A. 1959. Free ascorbic acid in the liver of adrenalectomized rats. Sperimentale, 109 : 413.
- Dallman, M.F. and Yates, F.E. 1968. The investigation of hypothalamic-pituitary adrenal function. Memoirs of the Society for Endocrinology. (V.H.T.) James and J. Landon, eds. University Press Cambridge. No.17 pp. 39-72.
- D'Angelo, S.A. 1966. Proc. Int. Congr. Hormonal steroids (2nd) Milan. p. 901 as cited by Gerhard et al., 1969.
- Daniel, J.Y. and Assenmacher, I. 1969. Interrelations testiculosurrenali Ennes Chez le canard. Gen. Comp. Endocrinol., 13 : 499-500.
- Datta, M.J.S., Pandey, B.N., Choubey, B.J. and Pandey, P.K. 1978. Studies on cyclic activities of adrenocortical tissues and its relation with gonadal cycle in an air breathing fish, Heteropneustes fossilis. Zool. Beitr., 24 : 437-446.
- Daugherty, T.F., Berliner, M.L., Schneebeli, G.L. and Berliner, D.L. 1964. Hormonal control of lymphatic structure and function. Ann. New York Acad. Sci., 113 : 828-843.
- Daugherty, T.F. and White, A. 1945. Functional alteration in lymphoid tissue induced by adrenal cortical secretion. Am. J. Anat., 77 : 81-116.
- Dave, J.R. and Eskay, R.L. 1986. Demonstration that corticotropin releasing factor binding to rat peripheral tissues is modulated by glucocorticoid treatment in vivo and in vitro. Biochem. Biophys. Res. Commun., 134 : 255-260.

- Davison, T.F., Rea, J. and Rowell, J.G. 1983. Effects of corticosterone on growth and metabolism of immature Gallus domesticus. Gen. Comp. Endocrinol., **50** : 463-468.
- Davison, T.F., Scanes, C.G., Flack, I.H. and Harvey, S. 1979. Effect of daily injections of ACTH on growth and on the adrenal and lymphoid tissues of two strains of immature fowls. British Poultry Sci., **20** : 575-585.
- Dawkins, M.J.R. 1963. Glycogen synthesis and breakdown in fetal and newborn rat liver. Ann. N. Y. Acad. Sci., **111** : 203-211.
- Decuypere, E., Scanes, C.G. and Kühn, E.R. 1983. Effects of Glucocorticoids on circulating concentrations of  $T_4$  and  $T_3$  on peripheral monodeiodination in pre- and post-hatching chickens. Hormone and metabolic Research, **15** : 233-236.
- De Greef, W.J. and Van der Schoot, P. 1987. Effects of dexamethasone on ovarian activity in rats. Acta Endocrinol., **116** : 350-356. (Copenhagen)
- de Kloet, R., Van der Vies, J. and de Wied, D. 1974. The site of the suppressive action of dexamethasone on pituitary adrenal activity. Endocrinology, **94** : 61-72.
- De la Cruz, L.F., Mataix, F.J. and Illera, M. 1981. Effects of glucocorticoids on protein metabolism in laying quails (Coturnix coturnix japonica). Comp. Biochem. Physiol.A., **70** : 649.
- Deviche, P., Balthazart, J., Malacarne, G. and Hendrick, J.C. 1982. Effects of in vivo corticosterone treatment on the in vitro metabolism of testosterone in the comb and brain of the young
- de Wied, D. 1964. The site of blocking action of dexamethasone on stress-induced pituitary ACTH release. J. Endocr., **29** : 29-37.

- Dieter, M.P. 1969. Hormonal control of the synthesis and distribution of ascorbic acid in cockerels (Gallus domesticus). Proc. Soc. Exp. Biol. Med., 130 : 210-213.
- Dieter, M.P. and Breitenbach, R.P. 1970. A comparison of the lymphocytic effects of corticosterone and testosterone propionate in immature cockerels. Proc. Soc. Exp. Biol. Med., 133 : 357-364.
- Dieter, M.P. and Breitenbach, R.P. 1971. Vitamin C in lymphoid organs of rats and cockerels treated with corticosterone or testosterone. Proc. Soc. Exp. Biol. Med., 137 : 341-346.
- Dipietro, D.I. and Zengerle, F.S. 1967. Separation and preparation of three acid phosphatases from human placenta. J. Biol. Chem., 242 : 3391-3396.
- Dulin, W.E. 1955. Poult. Sci., 34 : 73-77 as cited by Lake and Furr, 1971.
- Dulin, W.E. 1956. Effects of corticosterone, cortisone and hydrocortisone on fat metabolism in the chick. Proc. Soc. Exp. Biol. Med., 92 : 253-255.
- Dupouy, J.P., Chatelain, A., Boudouresque, F., Devolx, B.C. and Oliver, C. 1987. Effects of chronic maternal dexamethasone treatment on the hormone of the hypothalamo-pituitary-adrenal axis in the rat fetus. Biol. Neonate, 52 : 216-222.
- Durant, S., Dural, D. and Homo-Delarche, F. 1983. Potentiation by steroids of the  $\beta$  adrenergic agent - induced stimulation of cyclic AMP in isolated mouse thymocytes. Biochimica et Biophysica Acta, 762 : 315-324.

- Dusseau, J.W. and Meier, H.M. 1971. Diurnal and seasonal variations of plasma adrenal steroid hormone in the White-throated sparrow, Zonotrichia albicollis. Gen. Comp. Endocrinol., 16 : 399-408.
- Elks, M.L., Manganiello, V.C. and Vaughan, M. 1983. Hormone sensitive cAMP Phosphodiesterase activity in  $3T_3$   $L_1$  adipocytes. Regulation of responsiveness by dexamethasone. J. Biol. Chem., 258 : 8582-8587.
- Ensinck, J.W. and Williams, R.H. 1981. In: Text Book of Endocrinology pp. 844. R.H. Willimas (ed.) Igaba Shoin/Sauders International Edition, Tokyo. pp. 844.
- Entrikin, R.K., Abresch, R.T., Bradford, D.P., Larson, D.B., Longley, K.J. and Wilson, R.W. 1988. Glucocorticoids in muscular dystrophy: Beneficial effects of dexamethasone on avian myopathy. FASEB (Fed. Am. Soc. Exp. Biol.) J., 2 : 2722-2725.
- Epstein, F.H., Cynamon, M. and Mackay, W. 1971. Endocrine control of  $\text{Na}^+ \text{-K}^+$ -ATPase and saltwater adaptation in Anguilla rostrata. Gen. Comp. Endocrinol., 16 : 323-328.
- Exton, J.H., Harper, S.C., Tucker, A.L., Flagg, J.L. and Park, C.R. 1973. Effects of adrenalectomy and glucocorticoid replacement on gluconeogenesis in perfused livers from diabetic rats. Biochim. Biophys. Acta, 329 : 41-57.
- Faludi, G., Mills, L.C. and Chayes, Z.W. 1964. Effect of steroids on muscle. Acta Endocrinol., 45 : 68-78.
- Felicioli, R.A., Gabrielli, F. and Rossi, C.A. 1967. The synthesis of phosphoenol pyruvate in gluconeogenesis. Enzyme levels of chick embryo livers. Eur. J. Biochem., 3 : 19-24.

- Fiske, C.H. and Subba Raw, Y. 1925. The colorimetric determination of phosphorus. J. Biol. Chem., 66 : 375-400.
- Fleisher, N. and Battenbee, H. 1968. Proc. Soc. Exp. Biol. Med., 126 : 922. As cited by Arimura et al., 1969.
- Folch, J., Lees, M. and Stanley, G.H.S. 1957. A simple method for the isolation and purification of total lipids from animal tissues. J. Biol. Chem., 226 : 497-509.
- Follis, R.H. 1951. Non-effect of cortisone on growing bones of mice, guinea pigs and rabbits. Proc. Soc. Exp. Biol. Med., 78 : 723-724
- Forrest, J.N., Cohen, A.D., Schon, D.A. and Epstein, F.H. 1973. Na<sup>+</sup>-K<sup>+</sup>-ATPase in gills during adaptation to sea water: effects of cortisol. Am. J. Physiol., 224 : 709-713.
- Freeman, B.M. 1971. Body temperature and thermoregulation. In: Physiology and Biochemistry of the Domestic fowl. (D.J. Bell and B.M. Freeman eds.) Vol. 2 pp. 1115-1141. Academic Press New York and London.
- Freeman, B.M. 1983. Adrenal glands: In: Physiology and Biochemistry of the domestic fowl. B.M. Freeman (ed.) Vol. 4 pp. 191-209. Academic Press London New York Paris San Diego San Francisco Sao Paulo Sydney Tokyo Toronto.
- Freeman, B.M. and Manning, A.C.C. 1975. The response of the immature fowl to multiple injections of adrenocorticotrophic hormone. British Poult. Sci., 16 : 121-129.
- Freeman, B.M., Manning, A.C.C. and Flack, I.H. 1979. Habituation by the immature fowl in response to repeated injections of corticotrophin. Poult. Sci., 20 : 391-399.

- Fromme-Bouman, H. 1962. Jahresperiodische Untersuchungen an der Nebennierenrinde der Amsel (Turdus merula L.) Vogelwarte, **21** : 188-198.
- Galli, F. and Wassermann, G.F. 1972. Steroid biosynthesis by testes and ovaries of 15-day-old chick embryos. Gen. Comp. Endocrinol., **19** : 509-514.
- Galli, F. and Wassermann, G.F. 1973. Steroid biosynthesis by gonads of 7- and 10-day old chick embryos. Gen. Comp. Endocrinol., **21** : 77-83.
- Garren, H.W., Hill, C.H. and Carter, M.W. 1961. Adrenal responses of young chickens to adrenocorticotropic hormone as influenced by dosage and frequency of injection. Poult. Sci., **40** : 446-453.
- Gavora, J.S. and Hodgson, G.C. 1970. Can. J. Genet. Cytol., **12**:627-634 as cited by B.M. Freeman, 1983.
- Gavora, J.S. and Kondra, P.A. 1970. Can. J. Anim. Sci., **50** : 629-637 as cited by B.M. Freeman, 1983.
- Geering, K., Girardet, M., Bron, C., Kraehenbuhl, J.P. and Rossier, B.C. 1982. Hormonal regulation of ( $\text{Na}^+$ ,  $\text{K}^+$ ) ATPase biosynthesis in the toad bladder. Effect of aldosterone and 3,5,3'-triiodo-L-thyroxine. J. Biol. Chem., **257** : 10338-10343.
- Gerhard, H.M., Faith, E.F. and Ralph, A.K. Jr. 1969. Suppression of the hypothalamic-pituitary-adrenal axis in the newborn dog. Endocrinology, **85** : 365-367.
- Giovanni, C., Gerruccio, Di. So and Andrea, L. 1957. The existence in the rat liver of a probable combined form of vitamin C and its behaviour after adrenalectomy. Att. Soc. Peloritana Sci. Fis. Mat. Natur., **4** : 289.

- Gist, H.D. 1978. Adrenocortical effects on carbohydrate metabolism in Anolis carolinensis. Gen. Comp. Endocrinol., 35 : 500-502.
- Glick, B. 1957a. Experimental modification of the growth of the bursa of Fabricius. Poult. Sci., 36 : 18-23.
- Glick, B. 1957b. The effect of penicillin and cortisone on the bursa of Fabricius. Poult. Sci., 36 : 1038-1041.
- Glick, B. 1959. Experimental production of the stress picture with cortisone and the effect of penicillin in the young chicken. Ohio J. Sci., 59 : 81-86.
- Glick, B. 1960a. Growth of bursa of Fabricius and its relationship to the adrenal gland in White Pekin duck, White Leghorn, outbred and inbred New Hampshire. Poult. Sci., 39 : 130-139.
- Glick, B. 1960b. The effect of bovine growth hormone, DCA and cortisone on weight of bursa of Fabricius adrenal glands, heart and body weight of young chickens. Poult. Sci., 39 : 1527-1533.
- Glick, B. 1967. Antibody and gland studies in cortisone and ACTH injected birds. J. Immunol., 90 : 1076-1084.
- Glick, B. 1972. Cortisone, age and antibody-mediated immunity. Int. Arch. Allergy Appl. Immunol., 43 : 766-771.
- Golden, W.R.C. and Long, C.N.H. 1942. The influence of certain hormones on the carbohydrate levels of the chick. Endocrinology, 30 : 674-686.
- Goodlad, G.A.J. and Munro, H.N. 1959. Diet and action of cortisone on protein metabolism. Biochem. J., 73 : 343-348.
- Goodridge, A.G. 1968. Citrate cleavage enzyme, 'Malic' enzyme and certain dehydrogenases in embryonic and growing chicks. Biochem. J., 108 : 663-666.

- Gorman, M.L. and Milne, H. 1971. Seasonal changes in the adrenal steroid tissue of the common eider, Somateria mollissima, and its relation to organic metabolism in normal and oil-polluted birds. Ibis, 113 : 218-228.
- Greenman, D.L. and Zarrow, M.X. 1961. Steroids and carbohydrate metabolism in the domestic bird. Proc. Soc. Exp. Biol. Med., 106 : 459-462.
- Griminger, P. 1986. Lipid metabolism. In: Avian physiology. pp. 345-358 (P.D. Sturkie Ed.) Springer-Verlag, New York Berlin Heidelberg Tokyo.
- Griminger, P. and Gamarsh, J.L. 1972. Body composition of pigeons. Poul. Sci., 51 : 1464-1465.
- Griminger, P. and Scanes, C.G. 1986. Protein metabolism. In: Avian Physiology. pp. 326-344. (4th ed.) (P.D. Sturkie ed.) Springer-Verlag, New York Berlin Heidelberg.
- Gross, W.B., Siegel, P.B. and DuBose, R.T. 1980. Some effects of feeding corticosterone to chickens. Poul. Sci., 59 : 516-522.
- Guichard, A., Cedard, L. and Haffen, K. 1973a. Aspect comparatif de la synthise de steroides sexuels par les gonads embryonnaires de poulet a differents stades du developpement (etude en culture organotypique a partir de precurseurs radioactifs). Gen. Comp. Endocrinol., 20 : 16-28.
- Guichard, A., Cedard, L. Haffen, K. and Sheib, D. 1973b. Metabolism de la pregnenolone et de la progesterone radioactives par les gonades embryonnaires de Caille (Coturnix coturnix japonica) en culture organotypique. Gen. Comp. Endocrinol., 21 : 478-484.

- Guichard, A., Cedard, L., Mignot, Th-M., Sheib, D. and Haffen, K. 1977. Radioimmunoassay of steroids produced by cultured chick embryo gonads: Differing according to age, sex and side. Gen. Comp. Endocrinol., 32 : 255-265.
- Gutmann, E., Lojda, Z. and Teisinger, J. 1976. Changes of Acid Phosphatase activity of fast and slow rat muscles during ontogenetic development. Histochemistry, 49 : 227-236.
- Hahn, P. and Greenberg, R. 1968. The development of pyruvate kinase, glycerol kinase and phosphoenol pyruvate carboxykinase activities in rat liver and adipose tissue of rat. Experientia, 24 : 428-429.
- Hall, B.K. 1968. The annual interrenal tissue cycle within the adrenal gland of eastern rosella, Platycercus eximius (Aves: Psittaciformes). Aust. J. Zool., 16 : 609-617.
- Harper, A.E. 1960. Glucose-6-phosphatase in enzymic analysis. pp. 758-792. Bergyemer Hans - Ulrich (Eds.) Academic Press New York.
- Harrelson, A.L. and Mc Ewen, B.S. 1987. Hypophysectomy increase vasoactive intestinal peptide-stimulated cyclic AMP generation in the hippocampus of the rat. J. Neurosci., 7 : 2807-2810.
- Harvey, S. and Scanes, C.G. 1979. Plasma growth hormone concentrations in growth-retarded cortisone-treated chickens. British Poult. Sci., 20 : 331-335.
- Harvey, S., Scanes, C.G. and Brown, K.I. 1986. Adrenals In: Avian Physiology. pp. 479-493. (4th ed.) (P.D. Sturkie ed) Springer-Verlag New York Berlin Heidelberg Tokyo.

- Hazelwood, R.L. 1984. Pancreatic hormones, insulin/glucagon molar ratios and somatostatin as determinants of avian carbohydrate metabolism. J. Exp. Zool., 232 : 647-652.
- Hazelwood, R.L. 1986. Carbohydrate metabolism. In: Avian Physiology. pp. 303-325. P.D. Sturkie (Eds.) Springer-Verlag, New York Berlin Heidelberg Tokyo.
- Heinkrikson, R.L. 1969. Purification and characterization of a low molecular weight acid phosphatase from bovine liver. J. Biol. Chem., 244 : 293-307.
- Herrick, E.H. and Finerty, J.C. 1941. The effect of adrenalectomy on the anterior pituitary of fowl. Endocrinology, 27 : 279.
- Hewitt, W.F. 1947. The essential role of adrenal cortex in the hypertrophy of the ovotestes of following ovariectomy in the hen. Anat. Rec., 98 : 159.
- Hoch, F.L. 1974. Metabolic effects of thyroid hormones. In: Handbook of Physiology. Vol. III Thyroid. pp. 391-411. Greer, M.A. and Solomon, D.H. eds. American Physiological Society, Washington, D.C. Waverly Press, Inc. Baltimore Maryland.
- Hohn, E.O., Sarkar, A.K. and Dzubin, A. 1965. Adrenal weight in wild Mallard and domestic, and seasonal adrenal weight changes in mallard. Canad., J. Zool., 43 : 475-487.
- Howard, A.N. and Constable, B.J. 1958. The metabolism of adrenocorticotropic hormone on ascorbic acid in the chick. Biochem. J., 69 : 501-505.
- Howarth, B. Jr. and Marks, H.L. 1973. Thyroidal <sup>131</sup>I uptake of Japanese Quail in response to three different dietary goitrogens. Poult. Sci., 52 : 326-331.

- Hulbert, A.J., Augée, M.L. and Raison, J.K. 1976. The influences of thyroid hormones on the structure and function of mitochondrial membranes. Biochem. Biophys. Acta, 55 : 597-601.
- Hunter, N.W. and Johnson, C.E. 1960. The effect of hydrocortisone on glycogen storage and phosphorylase activity of frog liver. J. Cell. Comp. Physiol., 55 : 275-280.
- Ingbar, S.H. and Woeber, K.A. 1981. The thyroid gland. pp. 117-248. In: Text book of endocrinology 6th ed. R.H. Williams ed. W.B. Saunders Company Philadelphia London Toronto. Igaku-Shoin/Saunders-Tokyo. pp. 1-1270.
- Ingle, D.J. 1950. The biologic properties of cortisone. A review. J. Clin. Endocr. Metab., 10 : 1312-1354.
- Ivarsson, S.A., Nilsson, K.O. and Thorell, J.I. 1983. Erythrocyte insulin receptors and insulin sensitivity in adrenocortical insufficiency. Report of a case of diabetes mellitus type I. with super imposed Addison's disease. Acta Endocrinol., 102 : 231-234.
- Jallageas, M., Tamisior, A. and Assenmacher, I. 1978. A comparative study of the annual cycles in sexual and thyroid function in male peking ducks, Anas platyrhynchos and Teal, Anas crecca. Gen. Comp. Endocrinol., 36 : 201-210.
- Jeanrenaud, B. and Renold, A.E. 1960. Studies on adipose tissue in vitro VII. Effects of adrenal cortical hormones. J. Biol. Chem., 235 : 2217-2223.
- Jennings, A.S. and Ferguson, D.C. 1984. Effect of dexamethasone on triiodothyronine production in the perfused rat liver and kidney. Endocrinology, 114 : 31-36.

- Johnson, A.L. 1986. Reproduction in the male. In: Avian Physiology. Fourth Edition. pp. 432-451. P.D. Sturkie (ed). Springer-Verlag New York Berlin Heidelberg Tokyo.
- Johnson, B.C. and Wolf, G. 1960. The function of Vitamin A in carbohydrate metabolism; its role in adrenocortical production. Vit. Horm., 18 : 459-463.
- Jorgensen, P.L. 1968. Regulation of the  $(\text{Na}^+ - \text{K}^+)$  activated ATP hydrolyzing system in rat kidney. I. The effect of adrenalectomy and the supply of sodium on the enzyme system. Biochim. Biophys. Acta, 151 : 212.
- Juniewicz, P.E., Johnson, B.H. and Bolt, D.J. 1987. Effect of adrenal steroids on testosterone and leutinizing hormone secretion in the ram. J. Androl., 8 : 190-196.
- Kalliecharan, R. and Hall, B.K. 1974. A developmental study of the levels of progesterone, corticosterone, cortisol and cortisone circulating in plasma of chick embryos. Gen. Comp. Endocrinol., 24 : 364.
- Karg, H. and Struck, H.J. 1966. Testosterone/androstenedione relationship in the foetal bovine testes. Excerpta Med. Int. Congr. Ser. No.111 pp. 288. Abstract 541.
- Katano, H. 1988. Suppressive effect of dexamethasone on pituitary adrenal axis in the load of human corticotrophin releasing hormone. HIROSAKI MED. J., 40 : 534-544.
- Kellog, D.A. and Glenner, .G.G 1966. Histochemical localization of human term placental  $17\beta$ -estradiol dehydrogenase reaction. Nature, 187 : 763.
- Kendall, J.W. and Allen, C. 1968. Studies on the glucocorticoid feedback control of ACTH secretion. Endocrinology, 82 : 397-405.

- King, D.B. 1969. Effect of hypophysectomy of young cockerels, with particular reference to body weight, and liver glycogen level. Gen. Comp. Endocrinol., 12 : 242-255.
- King, D.B. and King, C.R. 1973. Thyroidal influence on early muscle growth of chickens. Gen. Comp. Endocrinol., 21 : 517-529.
- Kitabachi, A.E., Buchanan, K.D., Vance, J.E. et al. 1968. Effect of ACTH and glucocorticoids on insulin secretion. J. Clin. Endocrinol. Metab., 28 : 1479-1486.
- Kitabachi, A.E., Jones, G.M. and Duckworth, W.C. 1973. Effect of hydrocortisone and corticotropin on glucose-induced insulin and proinsulin secretion in man. J. Clin. Endocrinol. Metab., 37 : 79-84.
- Klein, L.E., Hsiao, P., Bartolomei, M. and Lo, C.S. 1984. Regulation of rat renal ( $\text{Na}^+ \text{K}^+$ ) -adenosine triphosphatase activity by triiodothyronine and corticosterone. Endocrinology, 115 : 1038-1042.
- Klepac, R. 1986. Effect of dexamethasone on glycogen deposition in pregnant rats and their fetuses. Exp. Clin. Endocrinol., 86 : 305-309.
- Klockars, M. and Wagelins, D. 1969. The lysosomal enzymes in regenerating rat liver. Proc. Soc. Exp. Biol. Med., 131 : 218-222.
- Kloeti, J., Fanconi, S., Zachmann, M. and Zaugg, H. 1987. Dexamethasone therapy and cortisol excretion in severe pediatric head injury. Child's Nerv. Syst., 3 : 103-105.
- Koneka, A.M. and Majewska, H. 1981. Effect of L-Thyroxine on metabolism in Japanese quails (Coturnix coturnix japonica) I. Glycolytic enzymes activity in liver after multiple injections of L-Thyroxine. Comp. Biochem. Physiol., 69B : 307-309.

- Kowalewski, K. 1962. Effect of steroid on bone formation. In: Protein metabolism. pp. 238-262. Ed. F. Gross. Berlin: Springer.
- Kühn, E.R., Decuypere, E. and Rudas, D. 1984. Hormonal and environmental interactions on thyroid function in the chick embryos and post-hatching chicken. J. Exp. Zool., 232 : 653-658.
- Kun, E. and Abood, L.G. 1949. Colorimetric estimation of succinic dehydrogenase by triphenyl tetrazolium chloride. Science, 109 : 144-145.
- Kupwade, V.A. and Saidapur, S.K. 1987. Effect of dexamethasone and ACTH on oocyte growth and recruitment in frog Rana cyanophlyctis during the prebreeding vitellogenic phase. Gen. Comp. Endocrinol., 65 : 394-398.
- Lake, P.E. and Furr, B.J.A. 1971. The endocrine testis in reproduction. In: Physiology and Biochemistry of the domestic fowl. Vol. 3. pp. 1469-1488. Bell, D.J. and Freeman, B.M. (eds.) Academic Press. London New York
- Langdon, J.S., Thorpe, J.E. and Roberts, R.J. 1984. Effects of cortisol and ACTH on gill  $\text{Na}^+-\text{K}^+$ -ATPase, SDH and Chloride cells in juvenile atlantic salmon. Salmo salar L. Comp. Biochem. Physiol., 77A : 9-12.
- Langslow, D.R., Butler, E.J., Hales, C.N. and Pearson, A.W. 1970. The response of plasma insulin, glucose and non-esterified fatty acids to various hormones, nutrients and drugs in the domestic fowl. J. Endocr., 46 : 243.
- Latimer, H.B. 1924. Post-natal growth of the body, system and organs of the single comb White Leghorn chicken. J. Agric. Res., 29 : 363-399.

- Latimer, H.B. 1925a. The relative post-natal growth of the systems and organs of the chicken. Anat. Rec., 31 : 233-253.
- Latimer, H.B. 1925b. The post-natal growth of central nervous system of the chicken. J. Comp. Neurol., 38 : 251-297.
- Latimer, H.B. 1927. Post-natal growth of chicken skeleton. Am. J. Anat., 40 : 1-57.
- Lauber, J.K., Jerry, V. and Tadashi, O. 1987. Plasma corticosterone in chicks reared under several lighting schedules. Comp. Biochem. Physiol. : A Comp. Physiol., 86 : 73-78.
- Laurent, F. and Miahle, P. 1978. Effect of free fatty acids and amino acids on glucagon and insulin secretions in normal and diabetic ducks. Diabetologia, 15 : 313.
- Lee, and Reed, C.E. 1977. Effect of steroids on the regulation of the levels of cyclic AMP in human lymphocytes. Biochem. Biophys. Res. Commun., 78 : 998-1004.
- Lee, Y.P. and Lardy, H.A. 1965. Influence of thyroid hormone on L-glycerophosphate dehydrogenases and other dehydrogenases in various organs of the rat. J. Biol. Chem., 240 : 1427-1436.
- Leroy, P. 1952. Annls. Endocr., 13 : 991-997. As cited by Lake and Furr, 1971.
- Libby, D.A., Meites, J. and Schaible, J. 1955. Growth hormone effects in chickens. Poult. Sci., 34 : 1329-1331.
- Lojda, Z. and Gutmann E. 1976. Histochemistry of some acid hydrolases in striated muscles of the rat. Histochemistry, 49 : 337-342.

- Lorenzen, L. and Farner, D.S. 1964. An annual cycle in the interrenal tissue of the adrenal gland of the White-crowned sparrow, Zonotrichia leucophrys gambelii. Gen. Comp. Endocrinol., 4 : 253-263.
- Lowry, O.H., Rosebrough, N.J. Farr, A.L. and Randall, R.J. 1951. Protein measurement with the Folin Phenol reagent. J. Biol Chem., 193 : 265-275.
- MacDonald, M.L. and Swick, R.W. 1981. The effect of protein depletion and repletion on muscle protein turnover in the chick. Biochem. J., 194 : 811.
- Macharg, M.A., Bottoms, G.O., Carter, G.K. and Johnson, M.A. 1985. Effects of multiple intramuscular injections and doses of dexamethasone on plasma cortisol concentrations and adrenal responses to ACTH in horses. Am. J. Vet. Res., 46 : 2285-2287.
- Magdi, T.A.M. and Hutson, T.M. 1974. The effect of administration of dexamethasone and adrenocorticoids on  $^{22}\text{Na}$  retention, water consumption and gland weights of cockerels. Poult. Sci., 53 : 2229-2231.
- Majumdar, P.K. and Chatterjee, G.C. 1974. Effects of testosterone and human chorionic gonadotrophin on the enzymes involved in the metabolism of L-ascorbic acid in rats. Indian. J. Exp. Biol., 12 : 387-388.
- Manganiello, V. and Vaughan, M. 1972. An effect of dexamethasone on adenosine 3',5'-monophosphate content and 3',5'-monophosphodiesterase activity of cultured hepatoma cells. J. Clin. Invest., 51 : 2763-2768.

- Mangnall, D. and Bartley, W. 1973. The effect of cortisol on post-embryonic developmental changes in chick (Gallus domesticus) liver metabolism. Comp. Biochem. Physiol., **44B** : 69-88.
- Macro, J., Calle, C., Roman, D., Diaz-Fierros, M., Villanueva, M.L. and Valverde, I. 1972. Hyperglucagonism induced by glucocorticoid treatment in man. N. Engl. J. Med., **288** : 128.
- Marie, C. 1981. Ontogenesis of the adrenal glucocorticoids and of the target function of the enzymatic tyrosine transaminase activity in the chick embryo. J. Endocr., **90** : 193.
- Marks, H.L. 1971. Selection for four-week body weight in Japanese Quail under two nutritional environments. Poult. Sci., **50** : 931-937.
- Martin, A.W. (ed.) 1961. Comparative physiology of carbohydrate metabolism in heterothermic animals. University of Washington Press, Scattle.
- Martin, J.T. 1973. The role of the Hypothalamic-pituitary-adrenal system in the development of imprinting and fear behaviour in wild and domesticated ducks. Doctoral thesis, Munchen Univeristy Germany.
- Mayes, P.A. 1988. Cholesterol synthesis, transport and excretion. In: Harper's Biochemistry. 21st ed. pp. 241-252. R.K. Murray, D.K. Granner, P.A. Mayer, V.W. Rodwell. Appleton and Lange Norwalk, Connecticut/San Mateo, California.
- Medleau, L., Cowan, L.A., Cornelius, L.M. and Kemppainen, R.J. 1987. Adrenal function testing in the cat: The effect of low dose intravenous dexamethasone administration. Res. Vet. Sci., **42** : 260-261.

- McEwen, B.S., De Kloet, E.R. and Rostene, W. 1986. Adrenal steroid receptors and actions in the nervous system. Physiological Review, 66 : 1122-1188.
- Meier, A.H. 1977. Daily rhythms of lipogenesis in fat and lean white throated sparrows Zonotrichia albicollis. Am. J. Physiol., 232 : E 193 E 196.
- Mialhe, P. 1958. Glucagon, insuline et regulation endocrine de la glycémie chez le canard. Acta Endocrinol. (Copenhagen) Suppl., 36 : 1-54.
- Mialhe, P. 1969. Some aspects of the regulation of carbohydrate metabolism in birds. In: Progress in endocrinology No. 184, pp. 158-164. (C. Gual. ed.) Int. Congr. Ser. Excerpta Med. Found. Amsterdam.
- Mitchell, H.H., Card, L.E. and Hamilton, T.S. 1931. A technical study of the growth of White Leghorn chickens. Bull. Agr. Exp. Stn. III, No. 367.
- Moens, L. and Coessens, R. 1970. Seasonal variations in the adrenal cortex cells of the house sparrow, Passer domesticus (L.), with special reference to a possible zonation. Gen. Comp. Endocrinol., 15 : 95-100.
- Moog, F. 1946. The physiological significance of the phosphomonoesters. Biol. Rev., 21 : 41-59.
- Moreng, G.R., Cain, J.R. and Warner, R.L. 1980. The effect of adrenal glands on ovulation in Japanese Quail (Coturnix coturnix japonica) Poult. Sci., 59 : 2760-2764.

- Nace, P.F. 1955. Arterial blood sugar content of toadfish, intact and treated with alloxan or adrenal steroids. Biol. Bull., **109** : 366.
- Nagra, C.L. and Meyer, R.K. 1963. Influence of corticosterone on the metabolism of palmitate and glucose in cockerels. Gen. Comp. Endocrinol., **3** : 131-138.
- Nagra, C.L., Breitenbach, R.P. and Meyer, R.K. 1963. Influence of hormones on food intake and lipid deposition in castrated pheasants. Poult. Sci., **42** : 770-775.
- Nagra, C.L., Sauers, A.K. and Wittamaier, H.W. 1965. Effect of testosterone, progesterone and metapirone on adrenal activity in cockerels. Gen. Comp. Endocrinol., **5** : 69-73.
- Nakamura, T. and Tanabe, Y. 1972. In vitro steroidogenesis by testes of the chicks (Gallus domesticus). Gen. Comp. Endocrinol., **19** : 432-440.
- Nalbandov, A.V. 1966. Hormonal activity of the pars distalis in reptiles and birds. In: The pituitary gland. Vol. 1, pp. 295-316. (G.H. Harris and B.T. Donovan, eds.), Butterworth, London.
- Natarajan, V., Davidson, M.B. and Hutchinson, A. 1987. Possible role for the glucose fatty acid cycle in dexamethasone induced insulin antagonism in rats. Metab. Clin. Exp., **36** : 883-891.
- Narbaitz, R. and Kolondy, L. 1964.  $\Delta^5$ -3B-hydroxysteroid dehydrogenase in differentiating chick gonads. Z. Zellforsch., **63** : 612-617.
- Nathani, M.G., Nath, I.N., Darginawala, H.F. and M.C. Nath. 1971. Ascorbic acid metabolism in adrenalectomized rats. Metabolism, **20** : 1036-1043.

- Obara, T., Mikami, K. and Strott, C.A. 1984. Differential suppression of the outer cortex and inner zone of the adrenal cortex of the guinea pig. Endocrinology, 115 : 1838-1841.
- Obara, T. and Strott, C.A. 1984. Cholesterol side chain cleavage activity in the outer and inner zone of the adrenal cortex. Biochem. Biophys. Res. Commun., 118 : 198.
- Ober, M.N. and Prachlad, K.V. 1987. Ultrastructure of thymus and liver following adrenalectomy and replacement adrenal hormone therapy in rats. Cyto. Bios., 52 : 71-81.
- Oguri, M. and Nace, P.F. 1966. Blood sugar and adrenal histology of the gold fish after treatment with mammalian adrenocorticotropic hormone. Chesapeake Sci., 7 : 198-202.
- Okuno, G., Grillo, T.A.I., Price, S. and Foa, P.P. 1964. Development of hepatic phosphorylase in the chick embryo. Proc. Soc. Exp. Biol. Med., 117 : 524-526.
- Olefsky, J.M. and Kimmerling, G. 1976. Effects of glucocorticoids on carbohydrate metabolism. Am. J. Med. Sci., 2 : 202-210.
- O'Neill, I.E. and Langslow, D.R. 1978. The Action of hydrocortisone, insulin and glucagon on chicken liver hexokinase and glucose-6-phosphatase and on the plasma glucose and free fatty acid concentrations. Gen. Comp. Endocrinol., 34 : 428-437.
- Oring, L.W. 1982. Avian mating systems. In: Avian Biology, Vol.VI (D.S. Farner, J.R. King and K.C. Parkes. Eds.) New York : Academic Press.
- Overbeek, G.A. 1981a. Rapid effects of ACTH on the adrenal of the rat. Thesis Leyden 15-24.

- Overbeek, G.A. 1981b. Ascorbinezuur in bijnieren, bloed en urine van 1 en 15 dagen hypofvseloze, volwassen mannelijke ratten. Ned Tijdschr Geneeskde, 125 : 606.
- Overbeek, G.A. 1985. Hormonal regulation of ascorbic acid in the adrenal of the rat. Acta Endocrinologica, 109 : 393-402.
- Ozon, R. 1965. Mise en evidence d'hormones steroides oestrogenes dans le sang de la Poule adulte et chez l'embryon de Poulet. C.R. Acad. Sci., 261 : 5664-5666.
- Ozon, R. 1969. Steroid biosynthesis in larval and embryonic gonads of lower vertebrates. Gen. Comp. Endocrinol., Suppl. 2 : 135-140.
- Patel, M.M. and Ramachandran, A.V. 1989. Seasonal alterations in glucagon and adrenalin responses in normal and pinealectomized pigeons, Columba livia. Indian J. Exp. Biol., 27 : 412-416.
- Pearse, A.G.E. 1968. Histochemistry Theoretical and Applied. pp. 1-759. J. and A. Churchill Ltd. London.
- Pembrey, M.S., Gorden, M.H. and Warren, R. 1895. On the response of the chick, before and after hatching, to change of external temperature. J. Physiol. (London), 17 : 331-348.
- Petrescu-Raianu, A. 1971. Changes in some morphological indices of the adrenal gland during the different stages of the sexual cycle in Phalacrocorax carbo L. Rev. Roum. Biol. Ser. Zool., 16 : 175-183.
- Picardo, M. and Dikson, A.J. 1982. Hormonal regulation of glycogen metabolism in hepatocyte suspensions isolated from chicken embryos. Comp. Biochem. Physiol., B: Comp. Biochem., 71 : 689.

- Pickford, G.E., Pang, P.K.T., Weinstein, E., Torretti, J., Hendler, E. and Epstein, F.H. 1970. The response of the hypophysectomized cyprinodont, Fundulus heteroclitus, to replacement therapy with cortisol: Effects on blood serum and sodium potassium activated adenosine triphosphatase in the gills, kidney and intestinal mucosa. Gen. Comp. Endocrinol., **14** : 524-534.
- Pierluissi, J., Navas, F.O. and Ashcroft, S.J.H. 1986. Effect of adrenal steroids on insulin release from cultured rat islets of Langerhans. Diabetologia, **29** : 119-121.
- Pilo, B., Etches, R.J. and George, J.C. 1986. Effects of corticosterone infusion on the lipogeneic activity and ultrastructure of the liver of laying hens. Cytobis., **44(179)** : 273-285.
- Plant, T.M. and Zorub, D.S. 1984. A study of the role of the adrenal glands in initiation of hiatus in gonadotropin secretion during prepubertal development in the male Rhesus monkey (Macaca mulata). Endocrinology, **114** : 560-565.
- Purves, H.D. and Sirett, N.E. 1968. J. Endocr., **41** : 491. As cited by Sirett and Gibss, 1969.
- Rackallio, J. 1970. Enzyme histochemistry of wound healing. Prog. Histochem. Cytochem., **1** : 1-101.
- Radke, W.J., Albasi, C.M. and Harvey, S. 1985. Hemorrhage and adrenocortical activity in the fowl (Gallus domesticus). Gen. Comp. Endocrinol., **60** : 204-209.
- Raheja, K.L., Linscheer, W.G., Coulson, R., Wentworth, S. and Fineberg, S.E. 1980. Elevated insulin/glucagon ratios and decreased cyclic AMP levels accompany the glycogen and triglyceride storage syndrome in the hypothyroid chick. Horm. Metab. Res., **12** : 51-55.

- Raheja, K.L. and Snedecor, J.G. 1970. Comparison of subnormal multiple doses of L-thyroxine and L-triiodothyronine in propylthiouracil-fed and radiothyroidectomized chicks (Gallus domesticus). Comp. Biochem. Physiol., 37 : 555-563.
- Raheja, K.L., Snedecor, J.G. and Freedland, R.A. 1971a. Activities of some enzymes involved in lipogenesis gluconeogenesis, glycolysis and glycogen metabolism in chicks (Gallus domesticus) from day of hatch to adulthood. Comp. Biochem. Physiol., 39B : 237-246.
- Raheja, K.L., Snedecor, J.G. and Freedland, R.A. 1971b. Effect of propyl thiouracil feeding on glycogen metabolism and malic enzyme in the liver of the chick (Gallus domesticus). Comp. Biochem. Physiol., 39B : 833-842.
- Rahiman, A.A., Micheal, A.M. and Govindarajulu, P. 1986. Serum lactate dehydrogenase and its isozymes in hypercorticism. J. Reprod. Biol. Comp. Endocrinol., 6 : 72-76.
- Raitt, R.J. Annual cycle of adrenal and thyroid glands in Gambel quail of southern New Mexico. Condor, 70 : 366-372.
- Ramachandran, A.V. and Patel, M.M. 1986. Seasonal histomorphological alterations of adrenals and thyroid in normal and pinealectomized domestic pigeons Columba livia. Ind. J. Exp. Biol., 24 : 755-759.
- Ranz, F.B., Aceitero, J. and Gayton, F. 1987. Morphometric study of cartilage dynamics in the chick embryo tibia. II. Dexamethasone treated embryos. J. Anat., 154 : 73-80.
- Ricklefs, R.E. 1983. Avian post-natal development. In: Avian Biology. Vol. VII. pp. 1-83. Farner, D.S., King, J.R. and Parkes, K.C. (eds.) Academic Press, New York London Paris San Diego San Francisco Sao Paulo Sydney Tokyo Toronto.

- Riddle, O. 1937. On carbohydrate metabolism in pigeons. Cold. Spring Harbor Symp. Quant. Biol., 5 : 362-374.
- Ringer, R.K. 1976. Thyroids. In: Avian Physiology (3rd ed.) (P.D. Sturkie, ed.) New York. Springer-Verlag, Chapter 18.
- Roe, J.H. 1954. Chemical determination of ascorbic acid, dehydroascorbic acid and diketogulonic acids. In: Methods of Biochemical analysis. Vol.1. pp. 115-139. D. Glick (ed.) Interscience Publishing Inc. New York.
- Rogers, K.T. 1960. Studies on chick brain of biochemical differentiation related to morphological differentiation and onset of function. III. Histochemical localization of alkaline phosphatase. J. Exp. Zool., 145 : 49-55.
- Romanoff, A.L. 1967. Biochemistry of the Avian Embryo. New York : Wiley. As cited by Hazelwood, 1986.
- Rosen, F., Harding, H.R., Milholland, R.J. and Nicol, C.A. 1963. Glucocorticoids and transaminase activity. VI. Comparison of the adaptive increases of alanine and tyrosine- $\alpha$ -ketoglutarate transaminases. J. Biol. Chem., 238 : 3725-3729.
- Rosen, F., Roberts, N.R. and Nicol, C.A. 1959. Glucocorticoids and transaminase activity. I. Increased activity of glutamic-pyruvic transaminase in four conditions associated with gluconeogenesis. J. Biol. Chem., 234 : 476-480.
- Rosenthal, I.M., Bonting, S.L., Hogan, W. and Pirani, C.L. 1960. A.M. A.J. Disease Children, 99 : 185-192. As cited by Burstone, M.S. 1962.
- Ross, P.S., Manganiello, V.C. and Vaughan, M. 1977. Regulation of cyclic nucleotide phosphodiesterases in cultured hepatoma cells by

- dexamethasone and N<sup>6</sup>, O<sup>21</sup>-Dibutyryl adenosine 3':5'-Monophosphate. J. Biol. Chem., 252 : 1448-1452.
- Roy, R.N. and Guha, B.C. 1958. Species difference in regard to the biosynthesis of ascorbic acid. Nature, 182 : 319-320.
- Russel, S.M., Dhariwal, A.P.S., McCann, S.M. and Yates, P.E. 1969. Inhibition by dexamethasone of the in vivo pituitary response to corticotropin-releasing factor (CRF). Endocrinology, 85 : 512-521.
- Rzasa, J., Williams, J. and Etches, R.J. 1983. A study on the ovulation inhibiting effects of dexamethasone in the domestic hen. Gen. Comp. Endocrinol., 52 : 311-314.
- Saadoun, A., Simson, J. and Leclercq, B. 1987. The effect of exogenous corticosterone in genetically fat and lean chicken. British Poult. Sci., 28 : 519-528.
- Saez, J.M., Morera, A.M., Haour, F. and Evain, D. 1977. Effects of in vivo administration of dexamethasone, corticotropin and human gonadotropin on steroidogenesis and protein and DNA synthesis of testicular interstitial cells in prepubertal rats. Endocrinology, 101 : 1256-1263.
- Salomon, L.L. and Stubbs, D.W. 1961a. Some aspects of the metabolism of ascorbic acid in rats. Ann. N.Y. Acad. Sci., 92 : 128.
- Salmon, L.L. and Stubbs, D.W. 1961b. The defect in ascorbic acid synthesis by the hypophysectomized rats. Biochem. Biophys. Res. Commun., 4 : 239.
- Samsel, J.F. and Ledig, M. 1976. Effects of L'arginie et de L'alanine sur la secretion du glucagon pancreatique et de L'enteroglucagon. J. Physiol. (Paris), 72 : 841.

- Sato, K. and Glick, B. 1964. Bursal histology and antibody response. J. Miss. Acad. Sci., **10** : 213-218.
- Sato, K. and Glick, B. 1970. Antibody and cell mediated immunity in corticosteroid-treated chicks. Poult. Sci., **49** : 982-986.
- Saunders, R.L. and Henderson, E.B. 1978. Changes in gill ATPase activity and smolt status of Atlantic salmon (Salmo salar). J. Fish. Res. Bd. Can., **35** : 1542-1546.
- Seifter, S., Dayton, S., Novic, B. and Muntwyler, E. 1950. The estimation of glycogen with anthrone reagent. Arc. Biochem., **25** : 191-200.
- Selye, H. and Freedman, S. 1941. The action of various steroid hormones on the testis. Endocrinology, **28** : 229.
- Serrano, J.A., Shannon, W.A., Stemberger, W.J., Wasser Kurg, H.J., Serrano, A.A. and Seligman, A.M. 1976. The cytochemical demonstration of prostatic acid phosphatase using a new substrate phosphoryl choline. J. Histochem. Cytochem., **24** : 1046-1056.
- Sheib, D. 1973. Les cellules secrétrices Testicularis du poussin de la japonase: Differentiation de leur ultrastructure et rapports avec leurs potentiates steroidogènes. Develop. Growth Differentiation, **15** : 315-328.
- Sheib, D. and Haffen, K. 1968. Sur la localisation histoenzymologique de la 3B-hydroxystéroïdes deshydrogénase dans les gonades de l'embryon de poulet, apparition et spécificité de l'activité enzymatique. Ann. Embryol. Morphog., **1** : 61-72.
- Sheib, D. and Haffen, K. 1969. Apparition et localisation des hydroxy-steroid deshydrogenase ( $\Delta^5$ -3B-*et* 17B) dans les gonades de

- l'embryon et du poussin chez la caille (Coturnix coturnix japonica)  
Etude histoenzymologique et comparée le poulet (Gallus gallus domesticus). Gen. Comp. Endocrinol., **12** : 586-597.
- Sheid, B. and Hirschberg, E. 1967. Glutamic dehydrogenase and aspartic and alanine aminotransferase activities in chick embryo liver. Am. J. Physiol., **213** : 1173-1176.
- Shettan, M.R. 1964. Metabolism of inorganic phosphate. 1. Microsomal inorganic pyrophosphate phosphotransferase of rat liver. J. Biol. Chem., **239** : 3576-3583.
- Siegel, H.S. 1961. Age and sex modification of responses to adrenocorticotropin in the chickens. I. Changes in adrenal and lymphatic gland weights. Poult. Sci., **40** : 1263-1274.
- Siegel, H.S. 1962a. Age and sex modification of responses to adrenocorticotropin in young chickens. 2. Changes in adrenal cholesterol and blood constituent levels. Poult. Sci., **40** : 1263-1274.
- Siegel, H.S. 1962b. Critical ages for responses to ACTH in chicks. Gen. Comp. Endocrinol., **2** : 385.
- Siegel, H.S. and Siegel, P.B. 1966. Genetic variation in responses to repeated administrations of ACTH and hydrocortisone in immature chickens. Poult. Sci., **45** : 901-912.
- Sigma Technical Bulletin, **104**: Sigma Chemical Co. 3500. Deklab, St. Louis 18, Mo. USA.
- Simkiss, K. 1964. Phosphatase as crystal poisons of calcification. Biol. Rev., **39** : 487-503.
- Singh, A., Reineke, E.P. and Ringer, R.K. 1968. Influence of thyroid status of the chick on growth and metabolism, with observations on several parameters of thyroid function. Poult. Sci., **47** : 212-219.

- Sinha, C. and Lahiri, S. 1964. Effect of corticotropin on the concentration of vitamin C in tissues of mice. Indian J. Exp. Biol., 2 : 102.
- Sinsigalli, N.A., McMurry, J.P., Cherry, J.A. and Siegel, P.B. 1987. Glucose tolerance, plasma insulin and immunoreactive glucagon in chickens selected for high and low body weight. J. Nutr., 117 : 941-947.
- Sirett, N.E. and Gibbs, F.P. 1969. Dexamethasone suppression of ACTH release: Effect of the interval between steroid administration and the application of stimuli known to release ACTH. Endocrinology, 85 : 355-359.
- Sistare, F.D. and Haynes, R.C. Jr. 1985. Acute stimulation by glucocorticoids of gluconeogenesis from lactate/pyruvate in isolated hepatocytes from normal and adrenalectomized rats. J. Biol. Chem., 260 : 12754-12760.
- Smith, M.C. and Feldman, E.C. 1987. Plasma endogenous ACTH concentrations and plasma cortisol responses to synthetic ACTH and dexamethasone sodium phosphate in healthy cats. Am. J. Vet. Res., 48 : 1719-1724.
- Smoak, K.D. and Birrenkott, G.P. 1986. In vivo responsiveness of the broiler's adrenocortical system. Poult. Sci., 65 : 194-196.
- Snedecor, J.G., King, D.B. and Henrikson, R.C. 1963. Studies on the chick glycogen body. Effects of hormones and normal glycogen turnover. Gen. Comp. Endocrinol., 3 : 176-183.
- Soliman, K.F.A. and Hutson, T.H. 1974. Adrenal gland in ovulation of the fowl. Poult. Sci., 53 : 1664-1667.

- Sols, A. 1949. Fosfatases: Revision de la litterature de 1947-1948.  
R. Esp. Fisiol., 5 : 57-129.
- Soule, J. and Assenmacher, I. 1966. Mise en evidence d'un cycle annual de al function corticossurre naliennne chez le canard male. C. R. Acad. Sci., 263 : 983-985.
- Spiers, E.D., McNabb, R.A. and NcNabb, F.M.A. 1974. The development of thermoregulatory ability, heat seeking activities, and thyroid function in hatching Japanese Quail (Coturnix coturnix japonica).  
J. Comp. Physiol., 89 : 159-174.
- Stähelin, M., Barthe, P. and Desaulles, P.A. 1965. On the mechanism of the adrenal gland response to adrenocorticotropic hormone in hypophysectomized rats. Acta Endocrinol. (Copenh), 50 : 55-64.
- Stamler, J., Pick, R. and Katz, L.N. 1954. Effects of cortisone, hydrocortisone and corticotropin on lipemia, glycemia and atherogenesis in cholesterol-fed chicks. Circulation, 10 : 237-246.
- Stanwood, C.J. 1913. The Olive-beaked Thrush (Hylocichla ustulata swainsonii) at his summer home. Wilson Bull., 25 : 118-137.
- Stefanelli, C., Flavio, F., Daniela, C., Caramen, R. and Claudio, M.C. 1987. Effects of dexamethasone on spermidine N'-acetyl transferase and ornithine decarboxylase activities in rat spleen. Biochim. Biophys. Acta, 930 : 79-86.
- Steiss, J.E., Wright, J.C. and Cox, N.R. 1989. Effects of perinatal high dose of dexamethasone on skeletal development in rats. Can. J. Vet. Res., 53 : 17-22.
- Sterling, R.J., Sharp, P.J., Klandorf, H., Harvey, S. and Lea, R.W. 1984. Plasma concentrations of leutinising hormone, follicle stimulating hormone, androgen, growth hormone, prolactin, thyroxine

- and triiodothyronine during the growth and sexual development in the cockerel. British Poult. Sci., 25 : 353-359.
- Stewart, C.P., Horn, D.B. and Robson, J.S. 1953. Effect of cortisone and adrenocorticotropic hormone on the dehydroascorbic acid of human plasma. Biochem. J., 53 : 254.
- Stewart, P.A. and Washburn, K.W. 1983. Variation in growth hormone, T<sub>3</sub> and lipogenic enzyme activity in broiler strains differing in growth and fatness. Growth, 47 : 411-425.
- Stillman, M.A., Recht, L.D., Rosario, S.L., Seif, S.M., Robinson, A.C. and Zimmerman, E.A. 1977. The effects of adrenalectomy and glucocorticoid replacement on vassopressin and vassopressin-neurophysin in the zona externa of the median eminence of the rat. Endocrinology, 101 : 42-49.
- Stoll, R. and Maraud, R. 1956. Existence d'hormones steroidiques dans l'organisme de l'embryon de poulet au cours de sa differenciation sexuelle. C.R. Acad. Sci. (Paris), 242 : 1235-1237.
- Stubbs, D.W. and McKernan, J.B. 1967. A sexual influence on the bio-synthesis and storage of L-ascorbic acid in rats. Proc. Soc. Exp. Biol. Med., 125 : 1326-1328.
- Sturkie, P.D. 1986. Avian Physiology IV Ed. Springer-Verlag. New York, Berlin Heidelberg Tokyo.
- Swallow, R.L. and Fleming, W.R. 1970. The effect of oxaloacetate, ACTH and cortisol on the liver glycogen levels of Tilapia mossambica. Comp. Biochem. Physiol., 36 : 93-98.
- Szent, Gyorgyi, A. 1957. Bioenergetics. Acad. Press, New York.
- Taber, E., Salley, K.W. and Knight, J.S. 1956. The effect of hypoadrenalin and chronic inanition on the development of rudimentary

- gonad in sinistrally ovariectomized fowl. Anat. Rec., 126 : 177.
- Tanabe, Y. 1965. Relation of thyroxine secretion rate to age and growth rate in the cockerel. Poult. Sci., 44 : 591-595.
- Tanabe, Y., Nakamura, T., Fujoka, K. and Doi, Q. 1979. Production and secretion of sex steroid hormones by the testes, the ovary and the adrenal glands of embryonic and young chickens (Gallus domesticus). Gen. Comp. Endocrinol., 39 : 26.
- Touchborn, S., Simon, J. and Leclercq, B. 1981. Evidence of a glucose-insulin-imbalance and effect of dietary protein and energy level in chickens selected for high abdominal fat content. J. Nutr., 111 : 325-335.
- Trinder, P. 1969. Determination of glucose in blood using glucose oxidase with an alternative oxygen acceptor. Ann. Clin. Biochem., 6 : 24-27.
- Umbreit, K. 1957. In: Methods of enzymatic analysis. pp. 722. Hans-Ulrich Bergmeyer (ed.) Academic Press New York.
- Umbreit, W.W., Burris, R.H. and Stauffer, J.F. 1957. Manometric techniques. Burges Publishing Co.
- Valivullah, H.M., Michael, A.M. and Govindarajulu, P. 1981. Effect of adrenalectomy and hydrocortisone treatment on rat ovary. J. Reprod. Biol. Comp. Endocrinol., 1 : 101-106.
- Valivullah, H.M., Michael, A.M. and Govindarajulu, P. 1983. Effect of dexamethasone on testicular enzymes of the Embden-Meyerhof and pentosephosphate pathways. Int. J. Androl., 6 : 201-207.
- Valivullah, H.M., Michael, A.M. and Govindarajulu, P. 1985. Testicular lipogenic enzymes. Direct effects of dexamethasone in vivo. Biochem. Biophys. Res. Commun., 131 : 726-730.

- van Tienhoven, A. 1961. In: Sex and Internal Secretions (W.C. Young ed.) 3rd ed. Vol. II, 1088-1169. Williams and Wilkins, Baltimore. As cited by Lake and Furr, 1971.
- Varley, H. 1975. Colorimetric method. In: Practical Clinical Biochemistry Vol. I. pp. 1-277. William Heinemann Publisher (India) Pvt. Ltd.
- Vasumathi, M. and Rangnekar, P.V. 1986. Effect of cortisone and hydrocortisone administration in the lizard, Calotes versicolor. Indian J. Comp. Anim. Physiol., 4 : 35-38.
- Voitkevich, A.A. 1966. The feathers and plumage of Birds. October House, New York. As cited by Ricklefs, 1983.
- Wattenberg, L.W. 1958. Microscopic histochemical demonstration of steroid 3 $\beta$ -ol-dehydrogenase in tissue reaction. J. Histochem. Cytochem., 6 : 225-232.
- Weber, G., Banerjee, G. and Bronstein, S. 1961. Role of enzymes in homeostasis III. Selective induction of increase of liver enzymes involved in carbohydrate metabolism. J. Biol. Chem., 236 : 3106-3111.
- Weber, G., Srivastava, S.K. and Singhal, R.L. 1965. Role of enzymes in homeostasis. VII. Early effects of corticosteroid hormones on hepatic gluconeogenic enzymes, ribonucleic acid metabolism and amino acid level. J. Biol. Chem., 240 : 750-756.
- Weniger, J.P. 1970. Le testicule embryonnaire de poulet secrete t-il de la testosterone, Arch. Anat. Histol. Embryol. Morphog., 53 : 99-105.
- Weniger, J.P., Pand, J. and Fritig, B. 1967. Sur la formation d'oestrone et d'oestradiol par les gonades d'embryon de poulet femelles cultivées in vitro. C.R. Acad. Sci. (Paris), 264 : 838-841.

- Williams, A.J., Siegfried, W.R., Burger, A.E. and Berruti, A. 1977. Body composition and energy metabolism of moulting eudyptid penguins. Comp. Biochem. Physiol., A, 56 : 27.
- Wilson, D.M., Baldwin, R.B. and Ariagno, R.L. 1988. A randomized placebo-controlled trial of effects of dexamethasone on hypothalamic pituitary adrenal axis in preterm infants. J. Pediatr., 113 : 764-776.
- Wilson, F.E. and Follett, B.K. 1975. Corticosterone-induced gonado-suppression in photostimulated tree sparrows. Life Sci., 17 : 1451-1456.
- Winchester, C.F. and Davis, G.K. 1952. Influence of thyroxine on growth of chicks. Poult. Sci., 31 : 31-34.
- Woods, J.E. and Brazzil, D.M. 1981. Plasma 17 $\beta$ -estradiol levels in the chick embryo. Gen. Comp. Endocrinol., 44 : 37-43.
- Woods, J.E. and Domm, L.V. 1966. A histochemical identification of the androgen-producing cells in the gonads of the domestic fowl and albino rat. Gen. Comp. Endocrinol., 7 : 559-570.
- Wool, I.G. 1960. Corticosteroids and accumulation of C<sup>14</sup>-labelled amino acids and histidine by isolated rat diaphragm. Am. J. Physiol., 199 : 715-718.
- Wright, N.A. and Appleton, D. 1972. The action of dexamethasone on the adrenal cortex. J. Endocr., 53 : XXXVI.
- Yanaihara, N., Mochizuki, T. and Yanaihara, C. 1983. Chemistry of avian peptide hormones. In: Avian endocrinology : Environmental and ecological perspective. (S. Mikami et al. Eds.) Tokyo : Japan Scientific Society Press Berlin : Springer-Verlag.

Yates, P.E. 1967. In: The Adrenal Cortex. pp. 33. Eisenstein, A (ed.)  
Little Brown and Co. Boston.

Zarrow, M.X., Greenman, D.L. and Peters, L.E. 1961. Inhibition of  
the bursa of Fabricius and the stilboestrol stimulated oviduct  
of the domestic chick. Poult. Sci., 40 : 87-94.