

## BIBLIOGRAPHY

- Ali, S. 1979. "The book of Indian Birds", 11th ed.  
Bombay Natural History Society, Bombay.
- Ambadkar, P.M. and Chauhan, B.C. 1979a. Annual variations  
in the levels of total lipids, cholesterol, phospho-  
lipids and  $\Delta^5$ - $3\beta$ -hydroxysteroid dehydrogenase  
activity (Complex of EC 1.1.1.51 and EC 5.3.3.1) in  
the testes of Indian House Crow, Corvus splendens  
(Veillot). Pavo, 17 : 103-116.
- Ambadkar, P.M. and Chauhan, B.C. 1979b. Annual variations  
in the levels of total lipids, cholesterol, phospho-  
lipids and activity of  $\Delta^5$ - $3\beta$ -hydroxysteroid  
dehydrogenase (Complex of EC 1.1.1.51 and EC 5.3.3.1)  
in ovaries of Indian House Crow, C. splendens  
(Veillot). Pavo, 17 : 117-134.
- Ambadkar, P.M. and Kotak, V.C. 1976a. Seasonal variations  
of lipids and cholesterol in wild pigeon, Columba  
livia : A quantitative study. J. Anim. Morphol.  
Physiol. 23 (1 & 2) : 101-114.
- Ambadkar, P.M. and Kotak, V.C. 1976b. Observations on  
cyclic histochemical variations of lipids and steroid  
dehydrogenases in testis of feral rock pigeon,  
(Columba livia). Pavo, 14 : 80.

Anderson, K.E. and Javitt, N.B. 1974. Bile formation. In: 'The Liver - Normal and abnormal functions'. Part A. Ed. Becker, F.F. and Marcel Dekker, Inc, New York.

Armstrong, D.G. 1985. Changes in  $3\beta$ -hydroxy- $\Delta^5$ steroid dehydrogenase activity in granulosa tissue during the ovulatory cycle of the laying hen (G. domesticus). J. Endocrinol., 106(3) : 269-274.

Armstrong, D.G., Davidson, F., Gilbert, A.B. and Wells, J.W. 1977. Activity of  $3\beta$ -hydroxysteroid dehydrogenase in the post-ovulatory follicle of the domestic fowl (Gallus domesticus). J. Reprod. Ferti., 41 : 253-259.

Asem, Elikplimi, Babetta, L. Marrone and Frank, Hertelendy. 1965. Steroidogenesis in ovarian cells of the Japanese quail (Coturnix coturnix japonica). Gen. Comp. Endocrinol. 60(3) : 353-360.

Bacq, Z.M. and Alexander, P. 1961. "Fundamentals of radiobiology" Pergamon Press, New York.

Bahr, J.M., Wang, S.C., Huang, M.Y. and Calvo, F.O. 1983. Steroid concentrations of isolated theca and granulosa layers of preovulatory follicles during the ovulatory cycle of the domestic hen. Biol. Reprod. 29(2): 326-334.

Baillie, A.H., Ferguson, M.M. and Mc.Hart. 1966.

Developments in steroid histochemistry. Academic Press, New York.

Bardin, C.W., Cheno, L.C., Morris, P.L., Gerendai, I., Biotani, C., Liotta, A.S., Margioris, A. and Krieger, D.T. 1987. Propiomelanocortin derived peptides in testis, ovary and tissues of reproduction. Rec. Prog. Horm. Res., 43 : 1-28.

Bartke, A. 1971. Effects of prolactin and leutinising hormone on cholesterol stores in the mouse testis. J. Endocrinol., 49: 317-324.

Bechan Lal, Mohan, R. and Singh, T.P. 1987. Variations in different lipids and their relation to reproduction in the male fish Clarias batrachus (Linn.). Ind. J. Exp. Biol., 25 : 639-640.

Benoit, J. 1964. As cited by Lake, P.E. (1971).

Bensadoun, A. and Rothfeld, A. 1972. The form of absorption of lipids in the chicken Gallus domesticus. Proc. Soc. Exp. Biol. Med., 141 : 814.

Bhujle, B.V. and Nadkarni, V.B. 1974. In : Abstracts, Indo-French seminar on embryology and comparative endocrinology of reptiles (with a session on avian endocrinology) October 6-12th, Varanasi.

Biswas, N.M. 1969. Ascorbic acid biosynthesis of toad kidney as related to experimental alteration of pituitary gonadotropic hormones. Life Sciences, 8: 363-368.

Biswas, N.M. and Deb, C. 1970. In vitro studies on the effect of ascorbic acid on  $\Delta^5$ - $3\beta$ -hydroxysteroid dehydrogenase in toad testes. Endocrinol., 87 : 170-173.

Bjersing, L. 1977. Ovarian histochemistry. In "The ovary" Eds. Zuckerman, L. and Barbara Weir. Academic Press, New York, San Francisco, London.

Block, K. 1945. Cited by Cook, R.P. 1958. In : 'Cholesterol', Ed. Cook, R.P., Acad. Press, New York.

Bloch, K., Berg, B.N. and Rittenberg, D. 1943. The biological conversion of cholesterol to cholic acid. J. Biol. Chem., 149 : 511.

Botte, V. 1963. La localizzazione della steroide  $3\beta$ -olo-dehydrogenasse nell' ovario di pollo. Rend. 1st. Univ. Camerino., 4 : 205-209.

Brain, P.C., Onagbesan, O.M., Peddie, M.J. and Taylor, T.G. 1988. Changes in the plasma concentration of reproductive steroids in female Japanese Quail (Coturnix coturnix japonica) raised on long and short photoperiod. Gen. Comp. Endocrinol., 69 : 174-180.

- Bratcher, J.B. and Kent, G.C. 1971. Ascorbic acid depletion activity of the pituitary of the female. Anole. Proc. Soc. Exp. Biol. Med., 136 : 839-841.
- Breitenbach, R.P. 1962. The effect of ACTH on adrenocortical secretion and ascorbic acid depletion in normal and testosterone treated cockerels. Poult. Sci., 41 : 1318-1324.
- Bullough, W.S. 1951. Vertebrate sexual cycles. Methuen & Co. London. John Wiley & Sons. INC. New York.
- Burger, J.W. 1948. The relation of external temperature to spermatogenesis in the male starling. J. Exp. Zool., 109 : 259-266.
- Cavazos, L.F. and Feagans, W.M. 1960. Histochemistry and composition of the male reproductive tract of the horned lizard as affected by seasonal variations. Anat. Record., 137 : 33.
- Chamy, 1908. As cited by Chauhan, B.C. (1979).
- Chatterjee, I.B. 1973. Evolution and biosynthesis of ascorbic acid. Science, 182 : 1271-1272.
- Chatterjee, I.B., Kar, N.C. and Chatterjee, G.C. 1968. Ascorbic acid requirement of the bird Pycnonotus cafer. Ind. J. Exptl. Biol., 6 : 103-105.

Chaturvedi, C.M. and Thapliyal, J.P. 1980. Role of corticosterone and thyroxine in gonadal development of the common myna Acridotheres tristis. Ind. J. Exp. Biol., 18 : 23-25.

Chauhan, B.C. 1979. Ph.D. Thesis, entitled : 'Studies on some aspects of histophysiology of certain endocrine glands related to reproductive cycle of the Indian house crow, Corvus splendens (Viellot).' submitted to the M.S. University of Baroda, India.

Chieffi, G. and Botte, V. 1965. The distribution of some enzymes involved in the steroidogenesis of hen's ovary. Experientia, 21 : 16-17.

Chinoy, N.J. 1969. Source of electron energy for animal metabolism. I. Role of ascorbic acid in the metabolism of avian muscle. Histochemie, 19 : 125-128.

Chinoy, N.J. 1970. Histochemical localization in animal tissues of a special peroxidase which generates the free radical of ascorbic acid. Stain Technol., 45 : 99-103.

Chinoy, N.J. 1971. Metabolic significance of an ascorbic acid-free radical (AA-FR) peroxidase in animal tissues. Arch. Biochem. Biophys.,

Chinoy, N.J. 1972a. Ascorbic acid levels in avian tissues and its metabolic significance. Acta Zool., 53 : 121-126.

Chinoy, N.J. 1972b. Ascorbic acid levels in mammalian tissues and its metabolic significance. Comp. Biochem. Physiol., 42(9) : 945.

Chinoy, N.J. and Rao, M.V. 1979. Inter-relationships between ascorbic acid and sex hormones in steroidogenic tissues and ascorbic acid synthesizing tissues of albino rats. J. Anim. Morphol. Physiol., 26(1 & 2) : 36-43.

Chinoy, N.J., Rao, M.V. and Seethalaxmi, L. 1979. Effect of gonadectomy and sex hormone replacement on tissue distribution of ascorbate in male and female albino rats. Ind. J. Exp. Biol., 17 : 1171-1175.

Chinoy, N.J. and Seethalaxmi, L. 1977. Synergistic action of testosterone and ascorbic acid for the maintenance of epididymal functions. Proc. Ist All India Cell biology conference, Banaras. Jan. 13-15. India.

Chinoy, N.J. and Seethalaxmi, L. 1978. Hormonal control of tissue distribution and metabolism of ascorbic acid in male rats. J. Anim. Morphol. Physiol., 25 : 235-242.

Coates, M.E. 1971. The role of vitamins in metabolic

- processes. In : 'Physiology and biochemistry of the domestic fowl'. Vol. I. Eds. Bell, D.J. and Freeman, B.M. Academic Press, London, New York.
- Crowford, N. 1958. An improved method for the determination of free and total cholesterol using ferric chloride reaction. Clin. Chim. Acta, 3 : 357-367.
- Dare, P.J. 1977. Seasonal changes in body weight of oyster catchers Haematopus ostralegus. Ibis, 119(4) : 449-506.
- DePhilip and Kierszenbaum, A.L. 1982. As cited by Kierszenbaum, (1986).
- Dick, H.R., Culbert, J., Wells, J.W., Gilbert, A.B. and Maida, F.D. 1978. Steroid hormones in the post-ovulatory follicles of the domestic fowl. J. Reprod. Fertil., 53(1) : 103-107.
- Dieter, M.P. 1969. Hormonal control of the synthesis and distribution of ascorbic acid in cockerels (Gallus domesticus). Proc. Soc. Expl. Biol. Med., 130:210-213.
- Dietschy, J.M. and Weis, H.J. 1971. Cholesterol synthesis from gastrointestinal tract. Am. J. of Clin. Nutr., 24 : 70.
- Engels, W.L., and Jenner, C.E. 1956. The effect of temperature on testicular recrudescence in Juncos at different photoperiods. Biol. Bull., 110 : 129-137.

- Farner, D.S. and Follett, B.K. 1966. Light and other environmental factors affecting avian reproduction. J. Anim. Sc., 25 (Suppl.): 90-118.
- Farner, D.S. and Mewaldt, L.R. 1952. The relative roles of <sup>and temperature in gonadal</sup> photoperiod, <sup>and</sup> recrudescence in male Zonotrichia leucophrys gambelli. Anat. Rec. 113 : 612-613.
- Farner, D.S. and Wilson, A.C. 1957. A quantitative examination of testicular growth in the white crowned sparrow. Biol. Bull., 113 : 254-267.
- Fieldman, M., Lea, O.A., Petrusz, P., Tres, L.L., Kierszenbaum, A.L. and French, F.S. 1981. Androgen binding protein. J. Biol. Chem., 256 : 5170-5175.
- Fellegiova, M., Adamea, O. and Kosutzky, J. 1975. Distribution of labelled testosterone in Japanese quail using acutoradiography of whole body sections. Br. Poult. Sci., 16 (3) : 327-328.
- Follett, B.K. and Davies, D.T. 1975. Photoperiodicity and the neuroendocrine control of reproduction in birds. Symp. Zool. Soc. London, No. 35, : 199-224. Academic Press, New York, London.
- Free, M.J. 1970. Carbohydrate metabolism in testis. In : 'The Testis' Vol. II. Eds. Johnson, A.D., Gomes, W.R. and Van Demerk, N.L. Academic Press, New York, 125-183.

- Frank, F.S. and Ritzen, E.M. 1973. A high affinity androgen-binding protein (ABP) in rat testis : Evidence for secretion into efferent duct fluid and absorption by epididymis. Endocrinology, 93: 88-95.
- Frith, H.J., Carpenter, S.M. and Braithwaite, L.W. 1976. Sexual cycles of pigeons in arid and semiarid Australia. Aust. J. Zool., 24 : 331-351.
- Fritz, I.B., Rommerts, F.G., Louis, G.B. and Dorrington, J.H. 1976. J. Reprod. Fertil. 46 : 17-24.
- Furr, B.J.A. 1969. As cited by Kotak (1979).
- Furr, B.J.A. 1970. As cited by Kotak (1979).
- Grimminger, P. 1976. Lipid metabolism. In : 'Avian Physiology'. IIIrd Ed. Ed. Sturkie, P.D. Springer-Verlag, New York, Heidelberg, Berlin.
- Gurr, M.I. and James, A.J. 1971. Lipid biochemistry : An introduction. Chapman and Hill Ltd., London.
- Hafton, S. 1976. Variation in body weight, wing length and tail length in great tit Parus major. Norw. J. Zool., 24 :(4): 241-271.
- Heald, P.J. and McLachan, 1964. The isolation of phosvitin from the plasma of the estrogen treated immature pullets. Biochem. J., 92 : 51-55.
- Hayno, M., Saba, N., Dorfman, R.I. and Hetcher, O. 1956.

- Some aspects of the biogenesis of adrenal steroid hormones. In : Rec. Prog. Horm. Res., 12. Ed. Pincus, G. Academic Press, New York.
- Heard, R.D.H., Bligh, E., Hellimk, P.H., O'Donnell, V.J., Rao, B.G. and Webb, J.L. 1956. Biogenesis of the sterols and steroid hormones. Rec. Prog. Horm. Res., 12 : 45.
- Hetcher, O. 1953. Conversion of cholesterol to steroid hormones. In 'Cholesterol'. Ed. Cook, R.P. Academic Press, New York.
- Hilton, F.K. 1961. Relationships of testicular cholesterol to hormonal activity and behaviour in the starling. Proc. Soc. Expl. Med., 107 : 653.
- Hoffman, R.A. 1960. Observations on serum and gonadal cholesterol in pigeons. Endocrinology, 67 : 311-318.
- Horii, Yuji. 1987. Intestinal absorption of cholesterol : A possible role of active process in intestinal uptake of cholesterol and palmitate. J. Kyoto Prefect. Univ. Med., 96(5) : 547-556.
- Husbands, D.H.R. and Brown, W.O. 1965. Sex differences in the composition of acetate incorporation into liver lipids of the adult fowl. Comp. Biochem. Physiol., 14 : 445-451.
- Immelmann, K. 1971. Ecological aspects of periodical

- aspects of reproduction. In : 'Avian Biology' Vol. I, Eds. Farner, D.S. and King, J.R. Academic Press, New York, London.
- Johnson, A.D. 1970. Testicular lipids. In : 'The Testis' Vol. II. Eds. Johnson, A.D., Gomes, W.R. and Vandemark, N.L. Academic Press, New York, London.
- Johnston, D.W. 1958. Sex and age characters and salivary glands of the Chimney Swift. Condor, 60 : 73-84.
- Khera, S. and Kalsi, R.S. 1986. Diurnal time budgets of the Bank myna Aridotheres ginginianus (Sturnidae) during prelaying, laying and incubation periods. Pavo, 24(1 & 2): 25-32.
- Kierszenbaum, A.L., Crowell, J.A., Shabanowitz, R.B., DePhilip, R. M. and Tres, L.L. 1986. Protein secretory patterns of rat sertoli and peritubular cells are influenced by culture conditions. Biol. Reprod., 35: 239-251.
- Kotak, V.C. 1979. Ph.D. Thesis entitled : 'Certain histo-enzymological observations on the reproductive cycle of Indian Feral blue Rock Pigeon Columba livia (Gmelin)! submitted to the M.S. University of Baroda, India.
- Krebs, H.A. and Yoshida, T. 1963. Renal gluconeogenesis 2. The gluconeogenic capacity of the kidney cortex of various species. Biochem. J., 86 : 22-27.

Kumar, Vinod. 1986. Carry-over effect of long photoperiods followed by short photoperiods on the fattening and gonadal response in photoperiodic migratory species, the black-headed Bunting (Emberiza melanocephala). Acta, Physiol. Hung., 67(2): 193-198.

Lack, D. 1950. The breeding seasons of European birds. Ibis, 92 : 288-316.

Lake, P.E. and Furr, J.A. 1971. The endocrine testis in reproduction. In : 'Physiology and Biochemistry of the Domestic fowl'. Vol. III. Eds. Bell, D.J. and Freeman, B.M., Academic Press, New York.

Lehninger, A.L. 1984. Bioenergetics and Metabolism. In : Principles of biochemistry. The Johns Hopkins University, School of Medicine CBS. Publishers and Distributors, Delhi.

Lofts, B. 1961. The effects of follicle stimulating hormone and leutenizing hormone on the testes of hypophysectomized frogs (Rana temporaria). Gen. Comp. Endocrinol., 1 : 179-189.

Lofts, B. 1970. Photoperiodism in Birds. In : 'Animal photoperiodism'. The institute of Biology's studies in Biology, Vol. 25. ELBS Edition, Edward Arnold (Publishers) Ltd.

- Lofts, B. and Lam, W.L. 1973. Circadian regulation of gonadotrophin secretion. J. Reprod. Fert., Suppl. 19 : 19.
- Lofts, B. and Marshal, A.J. 1959. The post-nuptual occurrence of progestins in the seminiferous tubules of birds. J. Endocrinol. 19 : 16.
- Lofts, B. and Murton, R.K. 1966. The role of weather, food and biological factors in timing the sexual cycle of wood pigeons. Brit. Birds, 59 : 261-280.
- Lofts, B. and Murton, R.K. 1973. Reproduction in birds. In : 'Avian Biology', Vol. III, Eds. Farner, D.S. and King, J.R., Academic Press, New York, London.
- Lofts, B., Murton, R.K. and Westwood, N.J. 1966. Gonadal cycles and the evolution of breeding seasons in British Columbidae. J. Zool., 150 : 249-272.
- Lofts, B., Murton, R.K. and Westwood, N.J. 1967. Photoresponses of the wood pigeon Columba palumbus in relation to the breeding season. Ibis, 109: 338-351.
- Loisel, 1903. As cited by Johnson, A.D. (1970).
- Lorenz, F.W. 1954. Effect of estrogen on fowl and application in poultry industry. Vits. and Hormones, 12: 235-275.
- 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.

- Majumder, P.K. and Chatterjee, C.C. 1974. Effects of testosterone and human chorionic gonadotrophin on the enzymes involved in the metabolism of -ascorbic acid. Ind. J. Exptl. Biol., 12(5): 387-388.
- Marshal, A.J. 1949. On the function of interstitium on the testis. The sexual cycle of wild bird Fulmarus glacialis (L.). Quart. J. Microscop. Sci., 90:265.
- Marshall, A.J. 1961. 'Biology and Comparative physiology of birds' Vol. II, Ed. Marshall, A.J. Academic Press, New York.
- Martin, C.R. 1980. The female reproductive system. In : Text-book of Endocrine Physiology. Oxford University Press, New York.
- McIndoe, W.M. 1971. Yolk synthesis. In : 'Physiology and Biochemistry of the domestic fowl', Vol. III. Eds. Bell, D.J. and Freeman, B.M. Academic Press, London and New York.
- McPherson, R.J. and Marion, K.R. 1982. Seasonal changes of total lipid in the turtle, Sternotherus odoratus. Comp. Biochem. Physiol., 71 : A 93.
- Mehta, P.C. 1985. Ph. D. Thesis entitled : 'Neural and endocrine regulation of gluconeogenesis in the kidney of blue rock pigeon (Columba livia)' submitted to M.S. University of Baroda, Vadodara, India.

Mewaldt, L.R. and King, J.R. 1977. The annual cycle of white crowned sparrows (Zonotrichia leucophrys natali) in coastal California. Condor, 79: 445-455.

Monesi, V. 1971. Chromosome activities during meiosis and spermatogenesis. J. Reprod. Fert., Suppl. 13 : 1-14.

Moore, C.R. 1924. Properties of the gonads as controllers of somatic and psychical characteristics.VI. Testicular reactions to experimental cryptorchidism. Am. J. Anat., 34 : 269.

Moringa, Osamu. 1987. The intestinal absorption of cholesterol : The role of acyl coenzyme A : Cholesterol acyltransferase and mixed micelle. J. Kyoto, Prefect. Univ. Med., 96 :(5) 511-523.

Muddeshwar, M.G., Nath, N. and Chari, S.N. 1984. Role of testosterone and its analogs in ascorbic acid metabolism in castrated rats. Ind. J. Exptl. Biol., 22: 397-399.

Murton, R.K. 1958. The breeding of wood pigeons. Bird Study, 5 : 157-183.

Murton, R.K. 1960. The effect of wood pigeon breeding of systematic nest destruction. Ann. Appl. Biol., 48 : 95-106.

Murton, R.K. and Westwood, N.J. 1977. Energy requirements for egg laying and brood care. In : 'Avian Breeding Cycles'. Clarendon Press, Oxford.

Murton, R.K., Westwood, N.J. and Thearle, R.J.P. 1973. Polymorphism and the evolution of a continuous breeding season in the pigeon Columba livia.  
J. Repro. Fertil., 19 : 501-574.

Nagayama and Tagaya. 1929. As cited by Sebrell and Harris (1967).

Nagorna-Stasiak, Barbara, Agnieszka, Lazuga-Adamczyk and Marta Kolodynska. 1986. Absorption of ascorbic acid from chicken intestine and the influence of choline chloride on this process. Med. Weter., 42(10):631-635.

Nakamura, T. and Tanabe, Y. 1972. In vitro steroidogenesis by testis of the chicken (Gallus domesticus). Gen. Comp. Endocrinol., 19: 432.

Nalbandov, A.V. 1970. 'Reproductive Physiology'. IIInd Edition, B.D. Taraporewala and Sons Pvt. Ltd., Bombay.

Naik, S. and Naik, R.M. 1965. Studies of the house swift, Apus affinis (G.E.Gray). 4 Gonadal Cycles. Pavo 3: 77-88.

Naik, S. and Naik, R.M. 1966. Studies on the house swift, Apus affinis (G.E.Gray). 6 Body Weight. Pavo 4 (1 & 2) : 84-91.

- Nice, M.M. 1937. Studies in the life history of song sparrow. I. Fran. Linn. Soc., New York, 4(6): 247.
- Nice, M.M. 1946. Weights of resident and winter visitants song sparrow in Central Ohio. Condor., 48: 41-42.
- Ogata, K., Watford, M., Brady, L.J. and Hanson, R.W. 1982. Mitochondrial phosphoenol pyruvate carboxy-kinase (GTP) on the regulation of gluconeogenesis and ketogenesis in avian liver. J. Biol. Chem., 257 : 5385-5391.
- Patel, M.M. and Ramachandran, A.V. 1987. Seasonal alterations in various lipid fractions of the testes and ovary in normal pinealectomized domestic pigeons, Columba livia. J. Reprod. Biol. Comp. Endocrinol., 7(2): 61-71.
- Pardue, S.L., Thaxton, J.P. and Brake, J. 1983. Dietary ascorbic acid and broiler performance following exposure to high environmental temperature.  
Abstract : Fourth Annual Meeting of the Southern Poultry Science Soc. Jan. 25-26, 1983. World Congress Center, Atlanta, Georgia. In : Poult. Sc. 62(72) : 1359.
- Parhon, C.I. and Parhon, C. 1922. As cited by Johnson, et al. (1970).

- Pearce, J. 1983. Carbohydrate metabolism. In : 'Physiology and biochemistry of the domestic fowl'. Vol.IV. Ed. Freeman, B.M. Academic Press, London.
- Pfaff, D.W. and Schwatz-Giblin, S. 1989. Cellular mechanism of female reproductive behaviours. In : 'The physiology of reproduction'. Eds. in Chief Knobil, E. and Neill, J.D. Raven Press, New York.
- Pistole, D.H. 1989. Sexual difference in the annual lipid cycle of the big brown bat Eptesicus fuscus. Can. J. Zool., 67 : 1891-1894.
- Pomila Singh, Townsend, C.M. Jr. and Thompson J.C. 1986. Presence of estradiol-binding proteins in gastrointestinal tract of male rats. Endocrinology, 119(4) : 1648-1653.
- Prasad, R.K. and Guraya, S.S. 1982. Comparative studies on seasonal variations in ovarian lipids of the crow (Corvus splendans), myna (Acridotheres tristris) and house sparrow (Pasar domesticus). Proc. Natl. Acad. Sci. India, Sect. B (Biol. Sci.), 52(2): 521-
- Quintao, E.S., Grundy, S.M. and Ahrens, E.H. Jr. 1971. Effects of dietary cholesterol on the regulation of total body cholesterol in man. J. Lipid Res., 12: 233.
- Ranney, R.E. and Chaikoff, I.L. 1951. Effects of functional hepatectomy upon estrogen induced lipemia in fowl. Fed. Proc., 24 : 566.

Ranney, R.E., Chikoff, I.L. and Entermann, C. 1951. Site of formation of phospholipids in birds. Am. J. Physiol., 165 : 600-603.

Ray Chaudhri, C. and Chatterjee, I.B. 1969. L-ascorbic acid synthesis in birds. Phylogenetic trend. Science, 164 : 435-436.

Renner, R. 1965. Site of fat absorption in the chick. Poult. Sci., 44 : 861.

Ritzen, E.M., Vidar Hanson, and Franch S. French. 1980. 'The Sertoli Cell'. In : 'The testis'. Eds. Burger, H. and de Kretser, D. Raven Press, New York.

Roy, R.N. and Guha, B.C. 1958. Species difference in regard to the biosynthesis of ascorbic acid. Nature, 182 : 319-320.

Sachs, B.D. and Meisel, R.L. 1988. The physiology of male sexual behaviour. In : 'Reproductive behaviour and its control - The physiology of Reproduction'. Eds. in Chief, Knobil, E. and Neill, J.D. Raven Press, New York. 1393-1485.

Sanyal, M.K. and Prasad, M.R.N. (1965). Seasonal variation in testis and total body cholesterol in the Indian house lizard. Steroids, 6 : 313.

Saxena, M. and Mathur, R.S. 1979. Annual male reproductive cycle of ring dove Streptopelia decaocta. Pavo, 17 (1 & 2) : 135-140.

Saxena, V.L. and Saxena, A.K. 1977. The photoperiodic testicular response of rain quail Coturnix coturnix coromandelia G., Pavo, 15 : 44-47.

Saxena, A. and Saxena, A.K. 1980. Gonadal cycle and secondary sex characters of the grey quail Coturnix coturnix. Pavo, 18 : (1 & 2) : 62-77.

Saxena, A.K. and Thapliyal, J.P. 1977. Body weight and gonadal cycle of the rain quail Coturnix coturnix coromandelica. Pavo, 15 : 33-43.

Sebrell, W.H. and Harris, R.S. 1968. The vitamins - Chemistry, Physiology and Pathology. Vol. II. Academic Press, New York and London.

Skinner, J.D., Vanzyl, J.H.M. and Van Heerden, J.A.H. The effect of season on reproduction in the black wildbeast and red hartebeest in south Africa. J. Reprod. Fert. Suppl., 101 : 110.

Sieffter, S., Dalton, S., Novic, S. and Muntzlyer, B. 1950. The estimation of glycogen with anthrone reagent. Arch. Biochem., 25 : 191-200.

Smith, E.L., Hill, R.L., Lehman, R.J., Lefkowitz, R.J., Handler, P. and White, A. 1985. The Gonads. In : 'Principles of Biochemistry : Mammalian Biochemistry', VIIIth edition. International Student Edition, McGraw-Hill Book Company, Singapore.

Steinberger, A. 1979. Inhibin production by sertoli cells in culture. J. Reprod. Fert. Suppl., 26 : 31-45.

Steinberger, A. and Steinberger, E. Editors. 1980. Membrane transport and secretion of proteins. In: 'Testicular Development, Structure and Function'. Raven Press, New York.

Steinberger, A., Heindel, J.J., Lindsey, J.J., Elkington, F.S.H. and Zanborn, B. 1975. Endocrinology, Res. Commun., 2 : 261-272.

Stubbs, D.S. and McKernan, J.B. 1967. A sexual influence on the biosynthesis and storage of the L-ascorbic acid in rats. Proc. Soc. Exptl. Biol. Med., 125 : 1326-1328.

Stubbs, D.J., McKernan, J.B. and Hanfrect, D.B. 1967. An androgenic basis for the sexual difference in -ascorbic acid biosynthesis in rat. Proc. Soc. Exptl. Biol. Med., 126 : 464-467.

Szent Gyorgii. 1957. 'Bioenergetics'. Academic Press, New York.

Tsafriri, A., Dekel, N. and Bar-Ami, S. 1982. The role of oocyte maturation inhibitor in follicular regulation of oocyte maturation. J. Reprod. Fert., 64 : 541-551.

Uvnäs-Moberg, K. 1989. The gastrointestinal tract in growth and reproduction. Scientific American, 261(1) : 60-65.

Van Oordt, P.G.W.J. 1961. The gonadotropin producing and other cell-types in the distal lobe of the pituitary of the common frog, Rana temporaria. Gen. Comp. Endocrinol., 1 : 364-375.

Van Oordt, P.G.W.J. and Loftus, B. 1963. The effects of high temperature on gonadotrophin secretion in the male common frog (Rana temporaria) during autumn. J. Endocrinol., 27 : 137-146.

Watford, M., Hod, Y., Chinoy, B., Utter, M.F. and Hanson, R.W. 1981. The unique role of the kidney in gluconeogenesis in the chicken. The significance of a cytosolic form of phosphoenol pyruvate carboxykinase. J. Biol. Chem., 256 : 10023-10027.

Wells, J.W., Walker, M.A., Gilbert, A.B. and Gulbert, J. 1983. Effects of luteinizing hormone on progesterone production by the follicular granulosa in the ovarian hierarchy of the domestic fowl (Gallus domesticus). Gen. Comp. Endocrinol., 52(2):265-271.

Wexelsen, H. 1937. Size inheritance in pigeons. J. Exptl. Zool., 76 : 161-186.

Whistler, H. 1927. Popular Handbook of Indian Birds. Bombay Natural History Society, Bombay.

Whitehead, C.C. 1973. The site of fat absorption in the hen. Proc. Nutr. Soc., 32 : 16A.

Whingfield, J.C. 1984. Influence of weather on reproduction. The J. Exp. Zool., 232 : 589-594.

Wolfson, A. 1960. Role of light and darkness in the regulation of the annual reproduction cycle in birds. In : Circadian clocks. Ed. Aschoff, J. North Holland, Amsterdam.

Wyburnan, G.M. and Baillie, A.H. 1966. In : 'Physiology of the domestic fowl', Eds. Harton, S.C. and Amoroso, E.C., Oliver and Boyd, Edinburgh. 30-38.

Yeh, S-J, and Leveille, G.A. 1973. Significance of skin as a site of fatty acid and cholesterol synthesis in chick. Proc. Soc. Exptl. Biol. Med., 142 : 115.

Zaffaroni, A., Hechter, O. and Pincus, G. As cited by Hetcher, O. 1958. In : 'Cholesterol', Ed. Cook, R.P., Academic Press, New York.