BIBLIOGRAPHY

Al-Hussaini, A. H. 1949. On the functional morphology of the alimentary tract of some fish in relation to differences in their feeding habits; anatomy and histology. Quart. Jour. Micro. Sci., 90: 109

Augustinsson, K. B., Fange, R., Johnels, A. and Ostlund, E. 1956. Histological, physiological and biochemical studies on the heart of teo cyclostomes, hagfish (Myxine) and lamprey (Lampetra). J. Physiol., 131: 257

Baker, J. R. 1956. Improvements in the Sudan Black technique. Quart. Jour. Micro. Sci., 97: 621

Baker-Cohen, K. F. 1961. The role of thyroid in development of platyfish. Zoologica., 46: 181

Ban, T. 1965. The hypothalamus and liver metabolism., Med. J. Osaka Univ., 15: 275

Barets, A. 1961. Contribution a letude des systemes moterus "lent" et "rapide" du muscle lateral de Teleosteans. Arch. Anat. Micro. et Morpho. Exptl., 50: 91

Bencosme, S. A., Meyer, J., Bergman, B. J. and Martinez-Palomo, A. 1965. The principal islet of bullhead fish (Ictalurus nebulosus). Rev. Can. Biol., 24: 141

Bern, H. A. 1963. Effect of corticoids on spleen of the cichild fish, Tilapia mossambica. Proceedings of the Society for experimental Biology and Medicine., 112: 805

Bern, H. A. and Nandi, J. 1964. Endocrinology of poikilothermic vertebrates. The Hormones, Vol. 4. Pincus, G.,

Thimann, K. V. and Astwood, E. B. Academic Press. New York.

Blake, I. H. 1930. Studies on the comparative histology of the digestive tube of certain teleost fishes. 1- A predaceous fish, the sea bass (Centropristes striatus) J. Morph., 50: 39

Blake, I. H. 1936. Studies on the comparative histology of the digestive tube of certain teleost fish. 3- A bottom feeding fish, the sea robin (Prionotus carolinus) J. Morph., 60: 77

Bloom, G., Östlund, E. Von Euler, V. S. 1962. A specific granular and secretory cells in the heart of Cyclostomes. Neurosecretion. Heller, H. and Clark, R. B. Academic Press, New York.

Bone, Q. 1966. On the function of the two types of myotomal muscle fibre in Elasmobranch fish. J. Mar. Bilo. Ass. U. K., 46: 321

Bonta, I. L. 1965. Effect of corticoids and ACTH on the induction of gastric ulcers in laboratory animals. Methods in Hormone Research Vol. IV. Dorfman, R. I. (Ed). Academic Press, New York.

Bowers, A. B. 1954. Breeding and growth of whiting (Gadus meralan gus L) in Isle of Man waters. J. Mar. Biol. Ass. U. K., 33: 97

Carlson, I. H. and Holmes, W. N. 1962. Changes in the hormone content of the hypothalamo-hypophyseal system of the rainbow trout (Salmo gairdneri). J. Endocrin., 24: 23

Chacko, P. I. and Ganpati, S. V. 1949. On the bionomics of Hilsa ilisha (Ham) in the Godavari river. Madras. Univ. J., 18: 16

Chan, D. K. O., Chester Jones, I., Henderson, I. W. and Rankin, J. C. 1967. Studies on the experimental alteration of water and electrolyte composition of the eel (Anguilla anguilla L). J. Endocrin., 37: 297

Channon, H. J. and Saby, M. K. E. 1932. Fat metabolism of Hering. 1- Preliminary survey. Biochem. J., 26: 2021

Chang, V. M. and Idler, D. R. 1960. Biochemical studies on sockye salmon during spawning migrations. XII- Liver glycogen. Can. J. Biochem. Physiol., 38: 553

Chavin, W. 1956. Pituitary-adrenal control of melanization in xanthic gold fish, Carassius auratusL. J. Exptl. Zool., 133: 1

Chester Jones, I. 1957. Adrenal cortex. Cambridge Univ. Press, New York.

Chester Jones.I,Phillips, J. G. and Holmes, W. N. 1958. Comparative physiology of the adrenal cortex. Comparative Endocrinology. Gorbman, A. John Wiely & Sons, Inc. New York.

Chester Jones, I., Chan, D.K.O., Henderson, I.W., Mosley, W., Sander, T., Vinson, G. P. and Whitehouse, B. 1965. Failure of corpuscles of Stannius of the European eel (Anguilla anguilla L) to produce corticosteroids in vitro. J. Endocrin., 33: 319

Chester Jones, I., Henderson, I. W., Chan, D. K. O., Rankin, J. C., Mosley, W., Brown, J. J., Lever, A. F., Robertson, J.I.S.

and Tree, M. 1966. Pressor activity in extracts of the corpuscles of Stannius from the European eel (Anguilla anguilla L). J. Endocrin., 34: 393

Chester Jones, I. and Bellamy, D. 1964. Hormonal mechanisms in the homeostatic regulation of the vertebrate body with special referance to the adrenal cortex. Symp. Soc. exp. Biol., 18: 195

Chester Jones, I. and Henderson, I. W. 1965. Electrolyles in the European eel (Anguilla anguilla L). J. Endocrin., 32: 3

Clitherow, J. W., Mitchard, W. and Harper, N. J. 1963. The possible biological function of pseudocholinesterase. Nature., 199: 1000

Coupland, R. E. and Holmes, R. L. 1957. The use of cholinesterase technique for the demonstration of peripheral nerve structure. Quart. J. Micro. Sci., 98: 327

Day, F. 1878. The fishes of India. William Dawson &Sons Ltd. London.

Dawes, B. 1929. The histology of the alimentary tract of the plaice (Pleuronectes platessa). Quart. Jour. Micro. Sci., 73: 243

Desai, K. M. 1967. Histological and histochemical studies on the cyclic changes in the neuroendocrine system of a migratory (anadromous) and non-migratory fish. Ph.D. thesis submitted to the M. S. University of Baroda, India.

Falkmer, S. 1961. Experimental diabetes research in fish . On the morphology and physiology of the endocrine pancreatic

tissue of the marine teleost Cottus scorpius with special reference to the role of glutathione on the mechanism of alloxin diabetes using a modified nitroprusside method. Acta. Endocrinol., 37: Suppl. 59; 1

Falkmer, S., Hellman, B. and Voigt, G. E. 1964. On the granular cells in the pancreatic islet tissue of the marine teleost Cottus scorpius. Acta. Path. Microbiol. Scand., 60: 47

Falkmer, S., Grimelius, L., Havu, N., Ljungberg, S. and Unger, R. H. 1965. On the alpha-cells, glucogon and the action of cobaltous chloride in the pancreatic islet tissue of marine teleost, Cottus scorpius. Gen. Comp. Endocrinol., 5: 675

Falkmer, S. and Matty, A. J. 1966. The pituitary gland and its role in the blood sugar regulation in the marine teleost, Cottus scorpius. Acta. Soc. Med. Upsal., 71: 156

Fontaine, M. 1964. Corpuscles de Stannius et régulation ionique (Ca, K, Na) du milieu intérieur de l'anguille (Anguilla anguilla L). C. R. Acad. Sci. Paris., 259: 875

Fontaine, M. and Lopez, M. 1965. Endocrine function of corpuscles of Stannius with special reference to the physiological preparation for catadrmic migration of two migratory teleosts (Salmo salar L and Anguilla vulgaris L). Abstracts of papers presented at XXIII international congress of physiological sciences, Tokyo. 547: 244

Ford, P. 1959. Some observations on the corpuscles of Stannius. Comparative Endocrinology. Gorbman, A. John-Wiley & Sons Inc. New York.

Galton, V. A. 1965. Thyroid hormone-catecholamine interrelationships. Endocrinology., 77: 278

George, J. C. and Vallyathan, N. V. 1964. Effect of exercise on free fatty acid levels in the pigeon . J. Appl. Physiol., 19: 619

Gerebtzoff, N. A. 1959. Cholinesterases. Pergamon Press. New York.

Gorbman, A. 1959. Comparative endocrinology. John-Wiley & Sons, INc. New York.

Greene, C. W. 1912. Anatomy and histology of the alimentary tract ofthe king salmon. Bull. U. S. Bur. Fish., 32: 75

Grosso, L. L. 1950. The effect of alloxan on the pancreas, liver and kidney of the teleost Lebistes reticulatus with notes on normal pancreas. Zoologica., 35: 169

Hale, H. A. 1965. The morphology and histology of the digestive systems of two fresh water teleosts, Poecila reticulata and Gastrosteus aculeatus. J. Zool., 132: 149

Hanke, W. and Chester Jones, I. 1966. Histological studies on the adrenal and corpuscles of Stannius of the European eel (Anguilla anguilla L). Gen. Comp. Endocrinol., 7: 166

Heller, H. and Bentley, P. J. 1963. Comparative aspects of the actions of neurohypophyseal hormones on water sodium metabolism. Hormones and the Kidney. Williams, P. C. Academic Press. New York.

Hellerstrom, C., Hellman, B., Petersson, B., and Alm, G. 1964. The two types of pancreatic A-cells and their relation to the glucogon secretion. In Brolin, S. E., Hellman, B., and Knutson, H. Wenner-Green Center Internat. Sympos.

Ser. Vol. 3. The structure and metabolism of pancreatic islets. Oxford,,Pergamon Press.

Hoffman, F., Hoffman, E. J., Middleton, S. and Talesnik, J. 1945. The stimulating effect of acetylcholine on the mammalian heart and the liberation of an epinephrine-like substance by the isolated heart. Am. J. Physiol., 144: 189

Idler, D. R., Ronald, D. P. and Schmidt, P. J. 1959. Biochemical studies on sockeye salmon during spawning migration. VII- Steroid hormones in plasma. Can. J. Biochem. Physiol., 37: 1227

Ishida, M. and Sato, M. 1960. The histological observations of the alimentary tract of a cat fish, Parasilurus asotus(L). Sci. Rep. Hirosaki. Univ., 7: 57

Jones, S. and Menon, P. M. G. 1951. Observations on the life history of the Indian shad, Hilsa ilisha (Ham.). Proc. Indian. Acad. Sci., 31: 101

Joseph, M. M. 1967. A histophysiological study of the red and white muscles of a migratory (Hilsa ilisha) and non-migratory (Hilsa toli) fish. Ph.D. thesis submitted to the M. S. University of Baroda, India.

Koelle, G. B., Koelle, E. S. and Friendenwald, J. S. 1950. The effect of inhibition of specific and non-specific cholinesterase on the motility of the isolated ileum. J. Pharmacol. and exp. Therap., 100: 180

Krishnamurthy, V. G. 1964. Corpuscles of Stannius in Colisa lalia (Hamilton-Buchanan). Naturwissenschaften., 51: 344

Kulkarni, C. V. 1950. Breeding habits, eggs and early life history

of the Indian shad, Hilsa ilisha (Ham.), in the Narbada river. Proc. Nat. Inst. Soci. India., XVI: 169

Kulkarni, C.V. 1951. Hilsa fisheries in the Narbada river. J. Bom. Nat. His. Soc., 49: 615

Lazarow, A. 1963. Functional characterisation and metabolic pathways of the pancreatic islet tissue. Recent progress in Hormone research. G. Pincus. XIX:489

* Lederis, K. 1964. Fine structure and hormone content of the hypothalamo-neurohypophyseal system of the rainbow trout (Salmo irideus) exposed to sea water. Gen. Comp. Endocrinol., 4: 638

Leloup, J. and Leloup-Hatey, J. 1964. Influence de l'ablation des corpuscles de Stannius sur le fonctionnement thyroiden de l'Anguille normat et hypophysectomisée. C. R. Soc. Biol., 158: 1273

Maetz, J. 1963. Physiological aspects of neurohypophyseal function in fishes with some reference to Amphibia. Symp. Zool. Soc. Lond. 9: 107

Maetz, J., Bourguet, J., Lahlouh, B et Hourdry, J. 1964. Peptides neurohypophysaries et osmoregulation chez Carassius auratus. Gen. Comp. Endocrinol., 4: 508

Moses, S. T. 1940. A statitical account of the fish supply of Baroda city. Bull. III Baroda Fisheries department.

Moses, S. T. 1942. The fisheries of the Gujarat coast. Journ. Guj. Res. Soc., 4: 61

Nadkarni, V. B. and Gorbman, A. 1966. Structure of the corpuscles of Stannius in nirmal and radiothyroidectomized chinnok fingerlings and spawning pacefic salmon. Acta Zoologica., XLVII: 61

Nagar, S. K. and Khan, W. M. 1958. The anatomy and histology of the alimentary canal of Mastacembelus armatus (Laecep.). Proc. Ind. Acad. Sci,, B. XLVII: 173

Nandi, J. 1962. The structure of the interrenal gland in teleost fishes. University of California publications in Zoology., 65: 129

Ogawa, M. 1963. On the corpuscles of Stannius of gold fish treated with sea water. Sci. Rep. Saitama Univ., 4:181

Olivereau, M. 1965. Action de la metopirone chez lAnguille normale et hypophysectomisee, en particuliersur le systeme hypo-physo-corticosurrenalien. Gen. Comp. Endocrinol., 5: 109

Östlund, E., Bloom, G., Adams-Ray, J., Ritzen, M., Seigman, M., Nordenstam, H., Lishajako, F. and Von Euler, U. S. 1960. Storage and release of catecholamines and the occurence of a specific submicroscopic granulation in hearts of cyclostomes. Nature., 188: 324

Pearse, A. G. E. 1960. Histochemistry, Theoretical and Applied. J. &. A.Churchill, London

Phillips, J. G. and Mulrow, P. J. 1959. Failure of the corpuscle of Stannius from winter flounder (Pseudopleurnectes americanus) to synthesise adrenocorticosteroids in vitro. Nature., 184: 558

Pickford, G. E. 1953. A study of hypophysectomized male killfish, Fundulus heteroclitus. Bull. Bingham. Ocenanog. Coll., 14: 5

Pickford, G.E. and Atz, J. W. 1957. The physiology of the pituitary gland of fishes. The New York Zoological Society. New York.

Pillay, T. V. R. 1948. Marine fisheries of Kodinar and Kathiawar. Journ, Bom. Nat. Hist. Soc., 48: 47

Pillay, T. V. R. 1953. On the occurrence of H. toli (Cuv. & Val.) in the river Hooghly. Curr. Sci., 22: 82

Pillay, T. V. R. 1958. Biology of Hilsa, Hilsa ilisha (Ham.) of the river Hooghly. Indian. J. Fish., 5: 201

Pincus, G. I. 19 . The hormones Vol 4. Academic Press. New York.

Prakash, A. 1961. Distribution and differentiation of alkaline phosphatase in the gastro-intestinal tract of steel head trout. Jour. Exp. Zool., 146: 237

Rasquin, P. R. 1951. Effects of carp pituitary and mammalian ACTH on the endocrine and lymphoid systems of the teleost Astyanax mexicans. J. Exp. Zool., 117: 317

Rasquin, P. R. 1956. Cytological evidence for a role of the corpuscles oc Stannius in the osmoregulation of teleosts. Biol. Bull., 111: 399

Rasquin, P. R. and Rosenbloom, L. 1954. Endocrine imbalance and tissue hyperplasia in teleosts maintained in darkness. Bull. Amer. Mus. Nat. Hist., 104: 359

Robertson, O. H. and Wexler, B. C. 1959. Hyperplasia of the adrenal cortical tissue in Pacific salmon (Genus Onchrhynchus) and rainbow trout (Salmo gairdnerii) accompanying sexual maturation and spawning. Endocrinology., 65: 225

Robertson, O. H. and Wexler, B. C. 1960. Histological changes in the organs and tissues of migrating and spawning pacific salmon (Genus Oncorhynchus). Endocrinology., 66: 222

Robertson, O. H. and Wexler, B. C. 1962. Histological changes in the organs and tissues of senile castrated kokanee salmon

(Oncorhynchus nerka kennerlyi). Gen. Comp. Endocrinol., 2: 458

Robertson, O. H., Krupp, M. A., Favour, C. B., Hane, S., and Thomas, S. F. 1961a. Physiological changes occurring in the blood of the pacific salmon (Oncorhynchus tshawytscha). Endocrinology., 68: 733

Robertson, O. H., Krupp, M. A., Thomas, S. F., Favour, C. B., Hane, S. and Wexler, B. C. 1961b. Hyperadrenocorticism in spawning migratory and non-migratory rainbow trout (Salmo gairdnerii): Comparison with pacific salmon (Genus Oncorhynchus). Gen. Comp. Endocrinol., 1: 473

Robertson, O. H., Hane, S., Wexler, B. C. and Rinfret, A. P. 1963. The effect of hydrocortisone on immature rainboe trout (Salmo gairdnerii). Gen. Comp. Endocrinol., 3: 422

Rogister, G. 1956. Considérations sur la cholinestérase hépatique et plasmatique des vertébratés. C. R. Soc. Biol., 150: 1812

Sawyer, W. H. 1960. Increased were permeability of the bullfrog (Rana catesbiana) bladder in vitro.in response to synthetic oxytocin and arginine vasotocin and to neurohypophyseal extracts from non-mammalian vertebrates. Endocrinology., 66: 112

Sawyer, W. H. 1963. Neurohypophyseal peptides and water excretion in the vertebrates. Hormones and the kidney. Williams, P. C. Academic Press. New York.

Sawyer, W. H. and Pickford, G. E. 1963. Neurohypophyseal principles

of Fundulus heteroclitus: Characteristics and seasonal changes. Gen. Comp. Endocrinol., 3: 439

Sehe, C. T. 1960. Radioautographic studies on the ultimobranchial body and thyroid gland in vertebrates: fishes and amphibians. Endocrinology., 67: 674

Sehe, C. T. 1965. Comparative studies on the ultimobranchial body in reptiles and birds. Gen. Comp. Endocrinol., 5: 45

Sivadas, P. 1964. The occurrence of β-cells in the islets of Langerhans of Tilapia mossambica (Peters) (Teleostei). Gen. Comp. Endocrinol., 4: 295

* Sokol, H. W. 1961. Cytological changes in the teleost pituitary gland with the reproductive cycle. J. Morphol., 109: 219

Svensmark, O. 1965. Molecular properties of cholinesterases. Acta. Physiol. Scand., 64: Supplementum. 245:1

Tarr, H. L. A. 1959. Biochemical changes in fish during maturation. Marine biology proceedings of the 20th annual biology colloquium, Oregon state college, 36

Vague, J. and Fenasse, R. 1965. Comparative anatomy of adipose tissue. Handbook of Physiology., Adipose tissue. Renold, A. E. and Cahill, G. F. Jr. (Eds). The Williams & Wilkins Company, Baltimore, U.S.A.

Vanajakshi, T. P. 1938. Histology of the digestive tract of Saccobranchus fossilis and Macrones vittatus. Proc. Ind. Acad. Sci. B., 7: 61

Van Dyke, J. 1959. The ultimobranchial body. Comparative endocrinology. Gorbman, A. Wiley. New York.

Weil, R. 1965. Pituitary growth hormone and intermediary metabolism. I- The hormonal effect on the metabolism of fat and carbonydrate. Acta endocrinologica., 49, Supplementum., 98: 1

Weinera, N. 1964. Catecholamines. The Hormones, Vol. 4. Pincus, G., Thimann, K. V. and Astwood, E. B.pp. 403. Academic Press. New York.

Weinerb, E. L. and Bilstad, N. M. 1955. Histology of the digestive tract and adjacent structures of the rainbow trout, Salmo gairdneri irideus. Copeia., 3: 194

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* References consulted but not cited in the text.