

BIBLIOGRAPHY

- ✓ ADAMS, R. D., DENNY-BROWN, D. AND PEARSON, C. M. 1954. Diseases of the muscle. Hoeber. New York.
- ✓ AIRAN, J. W. 1950. Studies in Kolhapur fresh-water fishes
1. Water extractable proteins and mineral contents.
Indian J. Med. Research., 38 : 169.
- ✓ AIRAN, J. W. 1950. Studies in Kolhapur fresh-water fishes
II. Maral (Ophiocephalus leucopunctatus, Sykes)
and shivada (Wallagonia attu, Bloch). Indian J. Med. Research., 38: 259
- ✓ ALEXANDER, K. M. 1955. A comparison of the gross chemical composition of the red and white muscles in two fishes, Scatophagus argus and Labeo rohita.
J. Anim. Morphol. Physiol. 1: 58
- ✓ ALNAES, E., JANSEN, J. K. S. AND RUDJORD, T. 1964. Spontaneous junctional activity of fast and slow parietal muscle fibres of hagfish. Acta. Physiol. Scand., 60: 240
- ✓ ANDERSEN, P., JANSEN, J. K. S. AND LØYNING, Y. 1963. Slow and fast muscle fibres in the Atlantic hagfish (Myxine glutinosa). Acta. Physiol. Scand., 57: 167
- ✓ ANTHONY, A., ACKERMAN, E. AND STROTHER, G. K. 1959. Effects of altitude acclimatization on rat myoglobin. Changes in myoglobin of skeletal and cardiac muscle. Am. J. Physiol., 196: 512
- ✓ BAILEY, B. E. 1952. Marine oils with particular reference to those of Canada. Fisheries Research Board Canada Prog. Rept. Pacific Coast Stas., 89: 413p.

- ✓ BAILEY, R. E. 1957. The effect of estradiol on serum calcium, phosphorus and protein of goldfish. J. Exp. Zool., 136: 455.
- ✓ BAKER, A. 1946. Histochemical recognition of lipines. Quart. J. micr. Sci., 87: 447.
- ✓ BARETS, A. 1952 a. Sur le muscle latéral des Téléostéens ses divers types d'innervation chez « Ameiurus nebulosus » C. R. Ass. Anat., 39^e réunion, Ctermount Ferrand: 881.
- ✓ BARETS, A. 1952 b. Différences dans le mode d'innervation des diverse portions du muscle latéral et leurs rapports avec la structure musculaire chez le poisson-chat (Ameiurus nebulosus Les). Arch. Anat. micr., 41: 305
- ✓ BARETS, A. 1955. Caractéristiques morphologiques des deux types d'innervation motrice du muscle latéral des Téléostéens. C. R. Soc. Biol., 149: 1420.
- ✓ BARETS, A. 1961. Contribution a l'étude des systèmes moterus "lent" et "rapide" du muscle latéral des Téléostéens. Arch. Anat. Microsc. et Morphol. Exptl., 50: 91.
- ✓ BARNETT, R. J. AND PALADE, G. E. 1959. Enzymatic activity in the M - band., J. Biophys. Biochem. Cytol., 6: 163.
- ✓ BASLOW, M. H. AND NIGRELLI, R. F. 1961. Muscle acetylcholinesterase levels as an index of general activity in fishes. Copeia, 1.: 8.
- ✓ BASU, K. P., DE, H. N. AND BASAK, M.N. 1942. Studies in human nutrition. 5. The bones of small fish as a source of nutritionally available calcium and phosphorus. Indian J. Med. Research., 30: 417.

- ✓ BEATON, J. R. 1963. Phosphorus metabolism in cold-exposed rats. Can. J. Biochem. Physiol., 41: 12209.
- ✓ BILINSKI, E. 1963. Utilization of lipids by fish. 1. Fatty acid oxidation by tissue slices of dark and white muscle of Rainbow trout (Salmo gairdnerii). Can. J. Biochem. Physiol., 41: 107.
- ✓ BLACK, E. C. 1958. Energy stores and metabolism in relation to muscular activity in fishes, in: The Investigation of Fish Power Problems. ed. P. A. Larkin, H.R. MacMillan lectures in Fisheries University of British Columbia. 51 p.
- ✓ BODDEKE, R., SLIJPER, E. J. AND VAN DER STELT, A. 1959. Histological characteristics of the body musculature of fishes in connection with their mode of life. Koninkl. Nederl. Akademie van Wetenschappen, Proc. C., 62: 576.
- ✓ BOKDAWALA, F. D. 1965. Histophysiological studies on vertebrate red and white skeletal muscles. Ph.D. Thesis, submitted to the M. S. University of Baroda, Baroda.
- ✓ BONE, Q. 1964. Patterns of muscular innervation in the lower chordates. Int. Rev. Neurobiol., 6: 99.
- ✓ BONE, Q. 1966. On the function of the two types of myotomal muscle fibres in Elasmobranch fish. J. mar. biol. Ass. U. K., 46: 321
- ✓ BOWERS, A. B. 1954. Breeding and growth of whiting (Gadus merlangus L.) in isle of man waters. J. mar. biol. Ass. U.K., 33: 97.

- ✓ BRAEKKAN, O. R. 1956. Function of the red muscle in fish.
Nature, 178: 747.
- ✓ BRANDES, C. H. 1954. as cited by Jacquot, R. 1961.
- ✓ CALVERT, C. C., MONROE, R. A. AND SCOTT, M. L. 1961. Studies on phosphorus metabolism in dystrophic chick.
J. Nutrition, 73: 335.
- ✓ CAMPBELL, J. M. 1877. Bombay Gazetteer for Broach and Surat. pp.340.
- ✓ CAUSERET, J. 1962. Fish as source of mineral nutrition, in: Fish as Food. ed. Borgstrom, G. Academic Press, New York and London, II : 205.
- ✓ CHACKO, P. I. AND GANAPATI, S. V. 1949. On the bionomics of Hilsa ilisha (Ham.) in the Godavari River. Madras Univ. J., 18: 16
- ✓ CHACKO, P. I. AND KRISHNAMURTHY, B. 1950. A biometrical study of Hilsa ilisha (Ham.) in the Godavari River. J. Bombay nat. Hist. Soc., 49: 315.
- ✓ CHANG, V. M., TSUYUKI, H. AND IDLER, D. R. 1960. Biochemical studies on sockeye salmon during spawning migration. XIII. The distribution of phosphorus compounds, Creatine and Inositol in the major tissues. J. Fish. Res. Bd. Can., 17: 565.
- ✓ CHESTER JONES, I. 1956. The role of the adrenal cortex in the control of water and salt- electrolyte metabolism in vertebrates. Mem. Soc. Endocrinol., 5: 102.
- ✓ CHESTER JONES, I., PHILLIPS, J. G. AND HOLMES, W.N. 1959. Comparative physiology of the adrenal cortex., in : Comparative Endocrinology. ed. Gorbman, A. John Wiley

and Sons, Inc. New York.582.

- ✓ WCHINNOY, N. J. 1963. Histochemical localization of myoglobin in the pigeon breast muscle. J. Anim. Morphol. Physiol., 10: 74.
- ✓ WCHINNOY, N. J. 1965. Studies on some aspects of the structure and physiology of the vertebrate skeletal muscle. Ph.D. Thesis, submitted to the M.S.University of Baroda, Baroda.
- ✓ WCHINNOY, N. J. AND GEORGE, J. C. 1965. Cholinesterases in the pectoral muscle of some vertebrates. J. Physiol. London., 177: 346.
- ✓ CLARK, E. D. AND ALMY, L. H. 1918. A chemical study of food fishes. J. Biol. Chem., 33: 483.
- ✓ W COHEN, J. R. AND WARRINGA, M. G. P. J. 1951. The metabolism of phosphate in the muscles of vitamin E deficient rats. Acta. physiol. pharmacol. Neerl., 2: 262
- ✓ W CONWAY, E. J. AND HINGERTY, D. 1948. Relations between potassium and sodium levels in mammalian muscle and blood plasma. Biochem. J. , 42: 372.
- ✓ W COTLOVE, E., HOLLIDAY, M. A., SCHWARTZ, R. AND WALLACE, W. M. 1951. Effects of electrolyte depletion and acid- base disturbance on muscle cations. Am. J. Physiol., 167: 665.
- ✓ W COUPLAND, R. E. AND HOLMES, R. L. 1957. The use of cholinesterase technique for the demonstration of peripheral nerve structures. Quart. J. micr. Sci., 98: 327.
- ✓ W COUTEAUX, R. 1950. Comp. rend. Assoc. Anat., 61: 80, as cited by

- Couteaux, R. 1955.
- COUTEAUX, R. 1955. Localization of cholinesterase at neuromuscular junctions. Intern. Rev. Cytol., 4: 335
- ✓ CUYPERS, A. AND FESSARD, A. 1954. J. Physiol. Paris., 46: 322 as cited by Mackay and Peters, 1961.
- ✓ DAVIES, D. R. AND GREENE, A. L. 1958. The mechanism of hydrolysis by cholinesterase and related enzymes. Advances in Enzymology., 20: 283.
- ✓ DAY, F. 1878. The fishes of India, p. 640.
- DECLERCQ, A. 1933. Ratio of calcium to phosphorus content of fish. Natuurw Tijdschr. (Ghent), 15: 229.
- ✓ De CLERCQ, A. 1934. Relation between phosphorus and calcium in Merlangus vulgaris. Natuurw Tijdschr. (Ghent), 16: 84.
- ✓ DICKER, S. E. 1949. Changes in the extracellular and intracellular fluid phases of muscle during starvation and dehydration in adult rats. Biochem. J., 44: 274.
- ✓ DICKERSON, J. W. T. AND McCANCE, R. A. 1960. Severe undernutrition in growing and adult animals. 3. Avian skeletal muscle. British. J. Nutrition., 14: 331.
- ✓ DRAHOTA, Z. 1961. Ionic composition of various types of striated muscle. Physiol. Bohemoslov., 10: 160.
- ✓ DREWS, G. A. AND ENGEL, W. K. 1961. An attempt at histochemical localization of myoglobin in skeletal muscle by the Benzidine-peroxidase reaction. J. Histochem. Cytochem., 9: 206.
- ✓ DREYFUS, J. C. 1952. Iron metabolism in muscular diseases. Proc. 1st and 2nd Conf. of the Muscular Dystrophy Assoc. of America. 16.

- ✓ DREYFUS, J. C. AND SCHAPIRA, G. 1949. Fer non hémique et protéines musculaires. Bull. Soc. Chim. biol., 31: 442.
- DREYFUS, J. C., SCHAPIRA, G. AND SCHAPIRA, F. 1954. Biochemical study of muscle in progressive muscular dystrophy. J. Clin. Invest., 33: 794.
- ✓ DRILHON, A. AND PORA, E. A. 1936. Regulation minérale du milieu intérieur chez les poissons stenohalines. Ann. Physiol. Physicochem. Biol., 12: 139.
- ✓ DRUMMOND, G. I. AND BLACK, E. C. 1960. Comparative physiology. Fuel of muscle metabolism. Ann. Rev. Physiol. 22: 169.
- ✓ DUNSTON, W. 1956. Variations in the depot fats of Columbia river sockeye. State of Washington, Dept. Fisheries. 13 p.
- ✓ ELKINTON, J. R. AND WIDDOWSON, E. M. 1959. Effect of chronic undernutrition on body composition in the rat. Metabolism clin. and Exptl., 8: 404.
- ✓ ELLIS, J. T. 1956. Necrosis and regeneration of skeletal muscles in cortisone - treated rabbits. Am. J. Pathol., 32: 993.
- ✓ ENGEL, W. W. , FOSTER, J. B., HUGHES, B. P., HUXLEY, H. E. AND MAHLER, R. 1961. Central core disease - An investigation of a rare muscle cell abnormality. Brain, 84: 167.
- ✓ FITCH, C.D. AND DINNING, J. S. 1959. Phosphate metabolism in nutritional muscular dystrophy and hyperthyroidism. Proc. Soc. Exp. Biol. Med., 100: 201.
- ✓ FLOOD, P. R. 1965. Skeletal muscle fibre types in Amphioxus lanceolatus (L.) and Myxine glutinosa (L.) J. Ultra-structure Research., 12: 238.
- ✓ FLOOD, P. R. AND MATHISEN, J. S. 1962. A third type of muscle

- fibre in the parietal muscle of the Atlantic hagfish Myxine glutinosa (L.) Zeitschrift fur Zellforschung, 58: 638.
- ✓ FONTAINE, M. 1960. Experientia, 16: 433. as cited by Beru, H. A. and Nandi, J. 1964. Endocrinology of poikilothermic vertebrates, in: The Hormones, ed. Pincus, G., Thimann, K. V. and Astwood, E. B., Vol. IV, Academic Press, New York.
- ✓ FONTAINE, M. AND HATEY, J. 1953. Contribution a l'etude du metabolisme glucidique du salmon (Salmo salar L.) a diverses etapes de son developpement et de ses migrations. Physiol. Comparata. et Oecol., 3: 37.
- ✓ FOURMAN, P. McCANCE, R. A. AND PARKER, R. A. 1956. Chronic renal disease in rats following a temporary deficiency of potassium. Brit. J. Exptl. Pathol., 37: 40.
- ✓ FRENCH, C. E. 1942. Interrelation of calcium and fat utilization in growing albino rats. J. Nutrition., 23: 375.
- ✓ GEORGE, J. C. 1962. A histophysiological study of the red and white muscles of the mackerel. Am. Mid. Nat., 68: 487.
- ✓ GEORGE, J. C. AND BERGER, A. J. 1966. Avian myology, Academic Press, New York and London.
- ✓ GEORGE, J. C. AND BOKDAWALA, F. D. 1964. Cellular organization and fat utilization in fish muscle. J. Anim. Morphol. Physiol., 11: (C. J. George Felicitation Number) 124.
- ✓ 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, M. A. 1959. Cholinesterases. A histochemical contribution to the solution of some functional problems. Pergamon Press, London.
- ✓ GIACOMINI, E. 1898. Atti Acc. Fis. Siena., 10: 371. as cited by Couteaux, R. 1955.
- ✓ GINSBORG, B. L. 1960 a. Spontaneous activity in muscle fibres of the chick. J. Physiol., 150: 707.
- ✓ GINSBORG, B. L. 1960 b. Some properties of avian skeletal muscle fibres with multiple neuromuscular junctions. J. Physiol., 154: 581.
- ✓ GINSBORG, B. L. AND MACKAY, B. 1960. A histochemical demonstration of two types of motor innervation in avian skeletal muscle. Histochemistry of cholinesterases, Symposium Basel, Bibl. anat., 2: 174.
- ✓ GLICK, D. 1941. Effect of sodium and potassium ions on cholinesterase. Nature., 148: 662.
- ✓ GOKHALE, S. V. 1953. as cited by Bowers, A. B. 1954.
- ✓ GORDON, M. S. 1959. Ionic regulation in the brown trout (Salmo trutta L.). Jour. Exp. Biol., 36: 227.
- ✓ GREENE, C. W. 1913. Storage of fat in the muscular tissue of the king salmon and its resorption during the fast of the spawning period. Bull. U.S. Bur. Fisher., 33: 69
- ✓ GREENE, C. W. 1919. Biochemical changes in the muscle tissue of king salmon during the fast of spawning migration. J. Biol. Chem., 39: 435.
- ✓ GUBLER, C. J., CARTWRIGHT, G. E. AND WINTROBE, M. M. 1957. Studies on copper metabolism. XX. Enzyme activities and iron

- metabolism in copper and iron deficiencies. J. Biol. Chem., 224: 533.
- ✓ GURR, E. 1956, 1962. Medicinal and Biological staining techniques. Leonard Hill (Books) Ltd., London.
- ✓ HÄGGQVIST, G. 1960. Cholinesterases and the innervation of skeletal muscles. Acta physiol. Scand., 48: 63.
- ✓ HÄGGQVIST, G. 1962. Cholinesterases in skeletal muscle. Anat. Anz., 111: 250.
- ✓ HANE, S. AND ROBERTSON, O. H. 1959. Changes in plasma 17- hydroxy-corticosteroids accompanying sexual maturation and spawning of Pacific salmon (Oncorhynchus tshawytscha) and rainbow trout (Salmo gairdnerii). Proc. Natl. Acad. Sci., 45: 886.
- ✓ HART, J. L., TESTER, A. L., BEALL, D. AND TULLY, J. P. 1940. J. Fish. Res. Bd. Canada, 4: 478. as cited by Tarr, H.L.A. 1959.
- ✓ HAWK, P. B., OSER, B. L. AND SUMMERSON, W. H. 1954. Practical physiological chemistry. McGraw-Hill Company, New York.
- ✓ HEPPEL, L. A. 1939. The electrolytes of muscle and liver in potassium - depleted rats. Am. J. Physiol., 127: 385.
- ✓ HESS, A. 1960. The structure of slow and fast extrafuscal muscle fibres in the frog and their innervation studies by the cholinesterase technique. Am. J. Anat., 107: 129.
- ✓ HESS, A. 1961. The structure of slow and fast extrafuscal muscle fibres in the extraocular muscles and their nerve endings in guinea pigs. J. Cell. Comp. Physiol., 58: 63.
- ✓ HESS, A. 1962. Further morphological observations on 'en plaque'

- and 'en grappe' nerve endings of mammalian extrafusal muscle fibres with the cholinesterase technique.
Rev. Canad. Biol., 21: 241.
- ✓ HESS, A. AND PILAR, G. 1963. Slow fibres in the extraocular muscles of the cat. J. Physiol., 169: 780.
- ✓ HICKMAN, C. P. Jr. 1959. The osmoregulatory role of the thyroid gland in the starry flounder, Plattichthys stellatus Cand. J. Zool., 37: 997.
- ✓ HOAR, W. S. 1958. The evolution of migratory behaviour among juveniles salmon of the genus Oncorhynchus. J. Fish. Res. Bd. Can., 15: 391.
- ✓ HOAR, W. S. 1959. Endocrine factors in the ecological adaptation of fishes., in: Comparative Endocrinology., ed, Gorbman, A., John Wiley & Sons, Inc. New York : 1
- ✓ HORA, S. L. AND NAIR, K. K. 1940 a. Further observations on the bionomics and fishery of the Indian shad, Hilsa ilisha (Ham.) in Bengal waters. Rec. Indian Mus., 42: 35.
- ✓ HORA, S. L. AND NAIR, K. K. 1940 b. The Jatka fish of Eastern Bengal and its significance in the fishery of the so-called Indian shad, Hilsa ilisha (Ham.) Rec. Indian Mus., 42: 553.
- ✓ HORA, S. L. 1941. Life history and wanderings of Hilsa in Bengal waters. J. Asiatic Soc. Bengal (Sci.), 6: 93.
- ✓ HORVATH, B., BERG, L., CUMMINGS, D. J. AND SHY, G. M. 1955. Muscular dystrophy. Cations concentration in residual muscle. J. Appl. Physiol., 8: 22.
- ✓ HOWARD, S. 1938. The Hilsa. The Statesman (Town edition) 7th November.

- ✓ HUTH, E. J. AND ELKINTON, J. R. 1959. Effect of acute fasting in the rat on water and electrolyte content of serum and muscle and on total body composition. Am. J. Physiol., 196: 299.
- ✓ IDLER, D. R. AND BITNERS, I. 1958. Biochemical studies on sockeye salmon during spawning migration. II. Cholesterol, Fat, Protein and Water in the flesh of standard fish. Can. J. Biochem. Physiol., 36: 793.
- ✓ IDLER, D. R. AND CLEMENS, W. A. 1959. The energy expenditure of Fraser River sockeye salmon during the spawning migration to Chilko and Stuart Lakes. Int. Pacific Salmon Fish. Comm. Prog. Rept. 6: 80 p.
- ✓ IDLER, D. R., RONALD, A. 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.
- ✓ IDLER, D. R., SCHMIDT, P. J. AND BIELY, J. 1961. The androgenic activity of 11-ketotestosterone : A steroid in salmon plasma. Can. J. Biochem. Physiol. 39: 317.
- ✓ IDLER, D. R. AND TSUYUKI, H. 1958. Biochemical studies on sockeye salmon during spawning migration. I. Physical measurements, plasma cholesterol and electrolyte levels. Can. J. Biochem. Physiol., 36: 783.
- ✓ JACQUOT, R. AND CREACH, P. V. 1950. as cited by Jacquot, R. 1961. JACQUOT, R. 1961. Organic constituents of fish and other aquatic animal foods. in: Fish as Food, ed. Borgstrom, G. Vol. II, Academic Press, New York and London.

- ✓ JENKIN, P. M. 1962. Animal Hormones - A comparative survey. International series of monographs on pure and applied Biology. Pergamon Press, 206.
- ✓ JOB, S. V. 1959. The metabolism of Plotossus anguillaris (Bloch) in various concentrations of salt and oxygen in the medium. Proc. Indian Acad. Sci., B, 50: 267.
- ✓ 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.
- ✓ JONES, N. R. AND MURRAY, J. 1957. Nucleotides in skeletal muscle of codling Gadus callarias. Biochem. J., 66: 5P.
- ✓ JULIAN, L. M. AND ASMUNDSON, V. S. 1963. Muscular dystrophy of the chicken., in: Muscular dystrophy in man and animals, ed: Bourne, G. H. and Golarz, M. N., Hafner publishing Company, Inc. New York., 457.
- ✓ KACHMAR, J. F. AND BOYER, P. D. 1951. Mechanism of potassium activation of phosphate transfer. Fed. Proc., 10: 204.
- ✓ KAPLAN, N. O. 1951. Thermodynamics and mechanism of the phosphate Bond., in: The Enzymes. Vol. II, Part I., ed. Sumner, J.B. and Myrback, K., Academic Press, New York., 55.
- ✓ KARE, M. R. 1951. Phosphocreatine in red and white muscle. Proc. Soc. Exp. Biol. Med., 77: 692.
- ✓ KENNEDY, G. C., FLEAR, C. T. G. AND PARKER, R. A. 1960. Renal disease and secondary potassium depletion in ageing rats. Quart. J. Exptl. Physiol., 45: 82.
- ✓ KHORANA, M. L., SARMA, M. L., RAO, P. S. AND GIRI, K. V. 1943. Investigations on the food value of fish and other

- marine products. 2. The protein and mineral contents. Indian J. Med. Research, 31: 25.
- ✓ KLINAR, B. AND ŽUPANČIĆ, A. O. 1962. Cholinesterases in white and red mammalian skeletal muscles. Arch. Internatl. Pharmacodyn. et Therap., 36: 47.
- ✓ KOELLE, G. B. AND FRIEDENWALD, J. B. 1949. A histochemical method for localizing cholinesterase activity. Proc. Soc. Exp. Biol. Med., 70: 617.
- ✓ KOLTHOFF, I. M. AND STENGER, V. A. 1947. Volumetric analysis. Interscience Publishers, New York., Vol II, p. 242, 256.
- ✓ KORZHUEV, P. A. 1961. Quantitative characterization of haemoglobin and myoglobin of various groups of vertebrates. Proc. Fifth Intern. Congr. Biochem. Moscow. 201.
- ✓ KOVÁCS, T., KÖVÉR, A. AND BALOGH, G. 1961. Studies on the localization of cholinesterases in various types of muscles. J. Cell. Comp. Physiol., 57: 63.
- ✓ KÖVÉR, A., KOVÁCS, T. AND KÖNIG, T. 1957 a. On the properties of myosincholinesterase. Acta physiol. Hung., 11: 253.
- ✓ KÖVÉR, A., KOVÁCS, T. AND KÖNIG, T. 1957 b. On the specificity of myosincholinesterase. Acta physiol. Hung., 11: 259.
- ✓ KÖVÉR, A. AND KOVÁCS, T. 1961. Investigations on the physiological role of myosincholinesterase in phylogenesis. J. Cell. Comp. Physiol., 57: 73.
- ✓ KRÜGER, P. 1949. Die innervation der tetanischen und tonischen fasern der quergestreiften Skelet muskulatur der wirbeltiere. Anat. Anz., 97: 169.
- ✓ KRÜGER, P. AND GÜNTHER, P. G. 1958. Innervation und pharmakologisches verhalten des M. Gastrocnemius und M. Pectoralis major der Vogel. Acta anat., 33: 325.

- ✓ KRUPKA, R. M. 1964. Acetylcholinesterase. Can. J. Biochem., 42:677.
- ✓ KUFFLER, S. W. AND VAUGHAN WILLIAMS, E. M. 1953 a. Small - nerve junctional potentials. The distribution of small motor nerves to frog skeletal muscle, and the membrane characteristics of the fibres they innervate. J. Physiol., 121: 289.
- ✓ KUFFLER, S. W. AND VAUGHAN WILLIAMS, E. M. 1953 b. Properties of the slow skeletal muscle fibres of the frog. J. Physiol., 121: 318.
- ✓ KULKARNI, C. V. 1950. Breeding habits, eggs and early life history of the Indian shad, Hilsa ilisha (Ham.) in Narbada River. Proc. Nat. Inst. Sci. India., XVI: 169.
- ✓ KULKARNI, C. V. 1951. Hilsa fisheries in the Narbada River. J. Bombay nat. Hist. Soc., 49: 615.
- ✓ LARDY, H. 1951. The influence of inorganic ions on phosphorylation reactions., in: Phosphorus Metabolism. Vol. I, ed. McElroy, W. D. and Benley Glass. Baltimore, The Johns Hopkins Press, 477.
- ✓ LASKOWSKI, M. 1936. Uber das vorkommen des serum - vitellins im Blute der Wirbeltiere. Biochem. Zeitschr., 284: 318.
- ✓ LAWRIE, A. 1953. Effects of enforced exercise on myoglobin concentration in muscle. Nature, 171: 1069.
- ✓ LAWRIE, A. 1953. The activity of the cytochrome system in muscle and its relation to myoglobin. Biochem. J., 55: 298.
- ✓ LAWRIE, A. 1953. The relation of energy rich phosphate in muscle to myoglobin and to cytochrome oxidase activity. Biochem. J., 32: 676.

- ✓ LOVERN, J. A. 1938. Fat metabolism in fishes. XII. Seasonal changes in the composition of herring fat. Biochem. J., 32: 676.
- ✓ LUNDIN, 1962. Comparative studies of cholinesterases in body muscles of fishes. J. Cell. Comp. Physiol., 59: 93.
- ✓ MACLEOD, R. A., JONAS, R. E. E. AND McBRIDE, J. R. 1958. Variations in the sodium and potassium content of the muscle tissue of Pacific salmon with particular reference to migration. Can. J. Biochem. Physiol., 36: 1257.
- MACKAY, B. AND PETERS, A. 1961. Terminal innervation of segmental muscle fibres. Bibl. anat., 2: 182.
- ✓ MANNAN, A., FRASER, D. I. AND DYER, W. J. 1961. Proximate composition of Canadian Atlantic fish. 1. Variations in composition of different sections of the flesh of Atlantic halibut (Hippoglossus hippoglossus). J. Fish. Res. Bd. Can., 18: 483.
- ✓ MASHBURN, L., BROWN, R. AND LYNN, W. S. 1960. Fed. Proc., 19: 224. as cited by Steinberg and Vaughan, 1963.
- ✓ MATSUURA, F. AND HASHIMOTO, K. 1954. Bull. Jap. Soc. Sci. Fish., 20: 308.
- ✓ McBRIDE, J. R., FAGERLUND, U. H. M., SMITH, M. AND TOMLINSON, N. 1963. Resumption of feeding by and survival of adult sockeye salmon (Oncorhynchus nerka) following advanced gonad development. J. Fish. Res. Bd. Can., 20: 95.
- ✓ McBRIDE, J. R. AND MACLEOD, R. A. 1956 a. The sodium and

potassium content of British Columbia sea foods.

2. Some commercially important fresh fish. Fisheries Research Board Canada. Progr. Repts. Pacific Coast Stas. No. 105: 19.

- ✓ MCBRIDE, J. R. AND MACLEOD, R. A. 1956 b. Sodium and potassium in fish from the Canadian Pacific Coast. J. Am. Dietet. Assoc., 32: 636.
- ✓ MCBRIDE, J. R., FAGERLUND, U. H. M., SMITH, M. AND TOMLINSON, N. 1965. Post spawning death of Pacific salmon sockeye salmon (Oncorhynchus nerka) maturing and spawning in captivity. J. Fish. Res. Bd. Can., 22: 775.
- ✓ MCCANCE, R. A. AND WIDDOWSON, E. M. 1946. The chemical composition of foods. Med. Research Council (Brit.) Spec. Rept. Ser. No. 235.
- ✓ MCCANCE, R. A., WIDDOWSON, E. M. AND HUTCHINSON, A. C. 1948. Effect of undernutrition and alterations in diet on the cholinesterase activity of serum. Nature, 161: 56.
- ✓ MENDEL, B. AND RUDNEY, H. 1945. Some effects of salts on true cholinesterase. Science, 102: 616.
- ✓ MIESCHER-RUSCH, F. 1883, 1898. as cited by Greene, C. W. 1913.
- ✓ MOSES, S. T. 1940. A statistical account of the fish supply of Baroda city. Bull. III Baroda Fisheries Department.
- ✓ MOSES, S. T. 1942. Fisheries of Gujarat coast. Journ. Gujarat Research Soc. IV: 66
- ✓ MUNTWYLER, E., GRIFFIN, G. E. AND ARENDS, R. L. 1953. Muscle electrolyte composition and balances of nitrogen and potassium in potassium-deficient rats. Am. J. Physiol., 174: 283.

- NACHMANSOHN, D. 1940. Actions of ions on cholinesterase.
Nature, 145: 513.
- ✓ NACHMANSOHN, D., ROTHENBERG, M. A. AND COATES, C. W. 1946.
Studies on cholinesterase. II. Enzyme activity and
voltage of the action potential in electric tissue.
J. Biol. Chem., 163: 39.
- ✓ NAIK, D. V. 1962. Seasonal variation in the metabolite content
of the liver of the migratory starling Sturnus roseus.
Pavo, 1: 44.
- ✓ NAIR, K. K. 1952. The chemical composition of the pectoral
muscle of some Indian birds and its bearing on their
flight. J. Univ. Bombay, 21: 90.
- ✓ NAKANO, T. 1960. Studies on the physiological chemistry of
phosphorus compounds in fish muscle. II. On the
individual and regional variations of phosphorus
compounds content in fish muscle. Bull. Japanese Soc.
Sci. Fish., 26: 1192.
- ✓ NAKATANI, R. E. 1956. Changes in the inorganic phosphate levels
in muscle tissue of yearling steelhead trout after
exercise. Tech. Rept. No. 28. School of Fisheries
Univ. Wash. 10 p.
- ✓ NAKATANI, R. E. 1957. Changes in the inorganic phosphate and
lactate levels in blood plasma and muscle tissue of
adult steelhead trout after strenuous swimming. Tech.
Rept.No. 30. School of Fisheries, Univ. Wash. 14 p.
- ✓ NILSON, H. W. AND COULSON, E. J. 1939. The mineral content of
edible portions of some American fishery products.

U. S. Bur. Fisheries Invest. Rept. No. 41.

- ✓ NIYOGI, S. P., PATWARDHAN, U. N., ACHARYA, B. N. AND CHITRE, R. G.
1941. Balanced diets. 2. Studies on the nutritive value of fish. Indian. J. Med. Research, 29: 279.
- ✓ ODUM, E. P. AND CONNELL, C. E. 1956. Lipid levels in migratory birds. Science, 123: 892.
- ✓ ODUM, E. P. AND PERKINSON, J. D. (Jr.). 1951. Relation of lipid metabolism to migration in birds. Seasonal variations in the body lipids of the migratory white-throated sparrow. Physiol. Zool., 24: 216
- ✓ OGATA, T. 1960. The differences in some labile constituents and some enzymatic activities between the red and white muscle. J. Biochem., 47: 726.
- ✓ ONO, T., SENNO, J., KONNO, K. AND NAGAYAMA, F. 1953. Histological and chemical studies on the fat metabolism of fish. 1. Changes in the muscle fat content during the growth of the carp. J. Tokyo Univ. Fisheries, 40: 31.
- ✓ ONO, T., SENNO, J., NAGAYAMA, F. AND HITKOTO, K. 1959. Studies on the fat metabolism of fish. 2. Histological and chemical studies on fat and phosphorus in rainbow trout. J. Tokyo Univ. Fisheries, 45: 79.
- ✓ ONO, T. AND NAGAYAMA, F. 1959. Studies on fat metabolism of fish. 3. Relation between fat and phosphorus in rainbow trout. J. Tokyo Univ. Fisheries, 45: 153.
- ✓ PARKS, T. B. AND ROSE, E. R. 1933. The copper, iron and manganese content of fish. J. Nutrition, 6: 95.
- ✓ PARRY, G. 1961. Osmotic and ionic changes in blood and muscle of

- migrating salmonids. J. Exp. Biol., 38: 411.
- ✓ PEARSE, A. G. E. 1960. Histochemistry, Theoretical and Applied. J. & A. Churchill Ltd., London.
- ✓ PEARSON, C. M. 1964. The periodic paralysis. Differential features and pathological observations in permanent myopathic weakness. Brain, 87: 341.
- ✓ PENTEGOV, B. P., MENTOV, Y. N. AND KURNAEV, E. F. 1928. Physiochemical characteristics of the breeding migration of (Amur river) Keta salmon. Bull. Pacific Sci. Fishery Res. St. (Vladivostok), 2 pt.1: 3
- ✓ PERKOFF, G. T., SILBER, R., TYLER, F. H., CATRIGHT, G. E. AND WINTROBE, M. M. 1959. Studies in disorders of muscle. XII. Myopathy due to administration of therapeutic amounts of 17-hydroxycorticosteroids. Am. J. Med., 26:891.
- ✓ PETERSON, W. H. AND ELVEHJEM, C. A. 1928. The iron content of plant and animal foods. J. Biol. Chem., 78: 215.
- ✓ PHILIPPS, J. G., HOLMES, W. M. AND BONDY, P. K. 1959. Adrenocorticosteroids in salmon plasma (Oncorhynchus nerka). Endocrinology, 65: 811.
- ✓ PILLAY, T. V. R. 1948. Marine fisheries of Kodinar in Kathiawar. Journ. Bom. Nat. Hist. Soc., 48: 47.
- ✓ PILLAY, T. V. R. 1953. On the occurrence of Hilsa toli (Cuv. & Val.) in the River Hooghly. Curr. Sci., 22: 82.
- ✓ PILLAY, T. V. R. 1957. A morphometric study of the population of Hilsa, Hilsa ilisha (Hamilton) of the River Hooghly and of the Chilka Lake. Indian J. Fish., 4: 344.
- ✓ PILLAY, T. V. R. 1958. Biology of the Hilsa ilisha (Hamilton)

of the River Hooghly. Indian J. Fish., 5: 201.

- ✓ PRINA, C. 1951. Influence of the thyroid on the blood iron and absorption of iron. Arch. Sci. med., 91: 478.
- ✓ RANGANATHAN, S. 1938. Variations in the iron content of food stuffs and the problem of iron requirements. Indian J. Med. Research, 26: 119.
- ✓ REYNAFARJE, B. 1962. Myoglobin content and enzymatic activity of muscle and altitude adaptation. J. Appl. Physiol., 17: 301.
- ✓ RIZACK, M. A. 1961. Epinephrine - sensitive lipolytic activity in adipose tissue. J. Biol. Chem., 236: 657.
- ✓ ROBERTSON, J. D. 1954. Jour. Exp. Biol., 31: 424. as cited by Chester Jones, I. et al., 1959
- ✓ ROBERTSON, O. H., HANE, S., WEXLER, B. C. AND RINFRET, A. P. 1963. The effect of hydrocortisone on immature rainbow trout (Salmo gairdnerii). Gen. Comp. Endocrinol., 3:422.
- ✓ ROBERTSON, O. H., KRUPP, M. A., FAVOUR, C. B., HANE, S. AND THOMAS, S. F. 1961 a. Physiological changes occurring in the blood of the Pacific salmon (Oncorhynchus tshawytscha) accompanying sexual maturation and spawning. Endocrinology, 68: 733.
- ✓ ROBERTSON, O. H., KRUPP, M. A., THOMAS, S. F., FAVOUR, C. B., HANE, S. AND WEXLER, B. C. 1961 b. 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. AND WEXLER, B. C. 1959. Hyperplasia of the

adrenal cortical tissue in Pacific salmon (genus Oncorhynchus) 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. AND WEXLER, B. C. 1962 a. Histological changes in the pituitary gland of the Pacific salmon (genus Oncorhynchus) accompanying maturation and spawning. J. Morphol., 110: 171.

ROBERTSON, O. H. AND WEXLER, B. C. 1962b. Histological changes in the pituitary gland of the rainbow trout (Salmo gairdnerii) accompanying sexual maturation and spawning. J. Morphol., 110: 157.

✓ ROSE, M. S. 1933. The foundations of Nutrition. Macmillan, New York.

✓ SAHA, K. C. AND GUHA, B. C. 1939. Nutritional investigations on Bengal fish. Indian J. Med. Research, 26: 921.

SAITO, K. 1953. Biochemical studies on fish blood. V. On the respiration element of fish blood (Translation). Mem. Fac. Fish. Kagoshima Univ., 3: 132.

✓ SAWYER, C. H. 1943. Cholinesterase and the behaviour problem

- in *Amblystoma*. J. Exp. Zool., 92: 1
- ✓ SAWYER, C. H. 1943. Cholinesterase and the behaviour problem in *Amblystoma*. III, The distribution of cholinesterase in nerve and muscle throughout development. J. Exp. Zool., 94: 1.
- ✓ SAWYER, C. H. 1944. Nature of the early somatic movement in *Fundulus heteroclitus*. J. Cell. Comp. Physiol., 24: 71.
- ✓ SCHMIDT, P. S. AND IDLER, D. R. 1962. Steroid hormones in the plasma of salmon at various stages of maturation. Gen. Comp. Endocrinol., 2: 204.
- ✓ SCHWARZACHER, H. G. 1960. The cholinesterase content of the myotendinous junctions of skeletal muscles (Translation). Arch. Internat. Pharmacodyn., 128: 330.
- ✓ SETNA, S. R., SARANGDHAR, P. N. AND GANPULE, N. V. 1944. Nutritive value of some marine fishes of Bombay. Indian J. Med. Research, 32: 171.
- ✓ SHY, G. M., WANKO, T., ROWLEY, P. T. AND ENGEL, A. G. 1961. Studies in familial periodic paralysis. Exptl. Neurol., 3: 53.
- ✓ SILVER, A. 1963. A histochemical investigation of cholinesterases at neuromuscular junctions in mammalian and avian muscle. J. Physiol., 169: 386.
- ✓ SMITH, D. C. W. 1956. The role of the endocrine organs in the salinity tolerance of trout. Mem. Soc. Endocrin., 5: 83.
- ✓ SRÉTER, F. A. AND WOO, G. 1963. Cell water, sodium and potassium in red and white mammalian muscle. Am. J. Physiol., 205: 1290.

- SRIVASTAVA, P. N. 1960. Thyroidal control of radiophosphorus metabolism in salmon. Nature, 185: 621.
- ✓ SRIVASTAVA, P. N. 1960. Influence of thyroid in radiophosphorus metabolism in fish. Nature, 188: 512.
- ✓ STEIN, J. M. AND PADYKULA, H. A. 1962. Histochemical classification of individual skeletal muscle fibres of the rat. Am. J. Anat., 110: 103.
- ✓ STEINBERG, D. AND VAUGHAN, M. 1963. Metabolic and hormonal regulation of the mobilization of fatty acids from adipose tissue. Proc. 5th Intern. Congr. Biochem. Vol. 7, Pergamon Press., 162.
- ✓ STOLK, A. 1960. Muscular dystrophy in Siamese fighting fish as an aberration of the connective tissue. Nature, 188:751.
- ✓ STOLK, A. 1962. Muscular dystrophy in fishes, amphibians and reptiles. Acta. Morphol. Neerlando. Scand., 5: 117.
- ✓ SUPINO, F. 1898. as cited by Baretts, A. 1961.
- ✓ TAKEUCHI, A. 1959. Neuromuscular transmission of fish skeletal muscles investigated with intracellular microelectrodes. J. Cell. Comp. Physiol., 54: 211.
- ✓ TAKASUGI, N. AND BERN, H. A. 1962. Experimental studies on the caudal neurosecretory system of Tilapia mossambica. Comp. Biochem. Physiol., 6: 289.
- ✓ TALESARA, 1961. A quantitative study of the distribution pattern of iron in the red and white fibres of the pigeon breast muscle. J. Anim. Morphol. Physiol., 7: 149.
- ✓ TAPPAN, D. V. AND REYNAFARJE, B. 1957. Tissue pigment manifestations of adaption to high altitudes. Am.J. Physiol, 190: 99.

- TARR, H. L. A. 1959. Biochemical changes in fish during maturation. Marine Biology. Proceedings of the twentieth annual Biology colloquium, Oregon State College, 36.
- ✓ THURSTON, C. E. 1957. Variations in composition of southeastern Alaska pink salmon. Food Research, 23: 619.
- ✓ THURSTON, C. E. 1961 a. Proximate composition of nine species of rockfish. J. Food. Sci. (U.S.) 26: 42.
- ✓ THURSTON, C. E. 1961 b. Proximate composition and sodium and potassium contents of four species of commercial bottom fish. J. Food. Sci. (U.S.), 26: 495.
- ✓ THURSTON, C. E. AND MACMASTER, P. P. 1960. Variations in chemical composition of different parts of Halibut flesh. Food Research, 25: 229.
- ✓ THURSTON, C. E. AND NEWMAN, H. W. 1962. Proximate composition changes in sockeye salmon (Oncorhynchus nerka) during spawning migration. Fish. Indust. Res., 2: 15.
- ✓ USUI, Y., SUKEGAWA, T. AND CHOU, K. C. 1937. The content of calcium in the muscle of a teleost, Hypomesus olidus in relation to its environment. Bull. Japan Soc. Sci. Fisheries, 5: 315.
- ✓ VALLYATHAN, N. V. 1963. On the lipid content and lipase activity in the breast muscle of Sturnus roseus (Linnaeus). Pavo, 1: 106.
- ✓ VAN DER KLOOT, W. G. 1956. Cholinesterases and sodium transport by frog muscle. Nature, 178: 366.
- ✓ VAN DER VELDE, A. J. J. 1932. Investigations on the chemical composition of fish. III. Composition of pleuronectes and scomber. Natuurw. Tijdschr. (Ghent) 14: 178.

- ✓ VARGA, E. 1959. Zh. Obshch. Biol., 20:3. as cited by Lundin, S. J. 1962.
- ✓ VARGA, E., KÖVER, A., KOVÁCS, R. AND HETENYI, E. 1957. Changes in the acetylcholine - sensitivity and cholinesterase activity of skeletal muscles in the course of ontogenesis. Acta. Physiol. Acad. Sci. Hung., 11: 243.
- ✓ VAUGHAN, M. 1962. Effect of hormones on fat mobilization. in: Fat as tissue. Proc. Conf. Philadelphia. 203.
- ✓ VEST, M. AND WANG, S. J. 1950. Veränderungen des cytochrom c - Gehalts der Muskulatur in großen Hohen. Helv. Physiol. pharmacol. Acta., 8: 180.
- ✓ VINOGRADOV, A. P. AND ODUM, V. 1953. The elementary chemical composition of marine organisms. Sears Foundation for marine research, Yale Univ., New Haven, Connecticut.
- ✓ WEIS-FOGH, T. 1952. Fat combustion and metabolic rate of flying locusts (Schistocerca gregaria). Phil. Trans. B., 237:1
- ✓ WEST, W. T. 1963. Muscular dystrophy of Vitamin E deficiency., in: Muscular dystrophy in man and animals., ed. Bourne, G. H. and Golarz, M. N., Hafner publishing company, Inc. New York. 367.
- ✓ WIDDOWSON, E. M. AND DICKERSON, J. W. T. 1964. Chemical composition of the body., in: Mineral Metabolism, Vol. II, Part A, ed. Comar, C. L. and Bronner, F., Academic Press, New York and London. 1.
- ✓ WILLIAMS, J. D., ANSELL, B. M., REIFFEL, L., STONE, C. A. AND KARK, R. M. 1957. Electrolyte levels in normal and dystrophic muscle determined by neutron activation.

Lancet, 2: 464.

- ✓ WOLFSON, A. 1954. Production of repeated gonadal fat and molt cycles, within one year in the junco and white-crowned sparrows by manipulation of the day length. J. Exp. Zool., 125: 353.
- YOUNG, D. R. AND PRICE, R. 1961. Utilization of body energy reserves during work in dogs. J. Appl. Physiol., 16:351.
- ✓ YOUNG, H. L., YOUNG, W. AND EDELMAN, I. S. 1959. Electrolyte and lipid composition of skeletal and cardiac muscle in mice with hereditary muscular dystrophy. Am. J. Physiol., 197: 487).
- ✓ ZIERLER, K. L. 1961. Potassium flux and further observations on aldosterone flux in dystrophic mouse muscle. Bull. Johns Hopk. Hosp. 108: 208.