BIBLIOGRAPHY

Albert, A. and Gledhill, W.S. 1947. The choice of a chelating agent for inactivating trace metals. 1. A survey of the commercially available chelating agents. <u>Biochem.J.</u>, 41, 74. Ammon.R. and Jaarma.M. 1950. The Enzymes, Vol. 1.Ed. J.B. Sumner

and K.Myrback. Academic Press. Inc., New York. Baldwin, E. 1953. Dyanamic Aspects of Biochemistry, Cambridge

University Press, Cambridge.

Barron, E.S.G. et al. 1947. The oxidation of dithiols. <u>Biochem.J.41,62</u>. Barron, E.S.G. et al. 1947. The effect of 2:3:-dimercaptopropanol

on the activity of enzymes and on the metabolism of tissues. <u>Biochem.J</u>.41, 78.

- Barron, E.S.G. 1951. Advances in Enzymology. Ed. F.F.Nord. Vol.11, p.201. Interscience Publishers Inc., New York.
- Bing, R.J. 1954. The metabolism of the heart. Harvey Lectures. Academic Press, New York, 1956.
- Black, M.M. and Kleiner, I.S. 1949. The use of triphenyltetrazolium chloride for the study of respiration of tissue slices. Science, 110, 660
- Black <u>et al</u>. 1950. Observations on the reduction of triphenyl tetrazolium chloride by normal and malignant human tissues. <u>Am. J. Path.</u>, 26, 1097.

Bourne, G.H. 1943. The distribution of alkaline phosphatase in various tissues. <u>Quart.J.Expt.Physiol.,32</u>,1.

- Brody, S. 1945. Bioenergetics and Growth. Reinhold Publishing Corporation, New York.
- Carlson, L.A. and Wadstrom, L.B. 1957. Glycerides during clearing action. <u>Clin</u>. <u>Chim.Acta</u>, 2, 9.

Chappel, J.B. and Perry, S.V. 1953. Skeletal muscle mitochondria. Biochem. J., 55, 586.

Cherry, and Crandall. 1932. Quantitative determination of lipase in serum. <u>Am. J. Physiol.</u>, 100, 266.

Defendi, V. and Pearson, B. 1955. J. <u>Histochem. Cytochem</u>., 3, 61. Denny-Brown, D. 1954. Diseases of Muscle. Paule B. Hoeber Inc.,

New York.

Desnuelle, P. As cited by Martin and Peers. Deuel, H.J J. 1955. The lipids. Interscience Aublishers Inc., New York. Dickens, F. 1933. Interaction of halogenacetates and SH compounds. The reaction of halogenacetic acids with glutathione

and cysteine. The mechanism of iodoacetate poisoning of glyoxylase. <u>Biochem.J., 27, 1141.</u>

Dukes, H.H. 1947. The physiology of Domestic Animals. Comstock Bublishing Association. Cornell University Press, Ithaca, N.York.

Fawcett, D.W. 1952. A comparison of the histological organization and cytochemical reaction of brown and white adipose tissues. J.Morph., 90, 363.

Fiore, J.V. and Nord, F.F. 1949. Lipase determination with the aid of polyvinyl alcohol. <u>Archiv</u>. <u>Biochem</u>., 23, 473.

Fiore, J.V. and Nord, F.F. 1950. Isolation and some properties of

lipase from Fusarium lini Bolly. Ibid. 26, 382.

Fruton, J.S. and Simmonds, S. 1953. General Biochemistry. John Wiley, New York.

George, J.C. and Jyoti, D. 1953. On the reduction of fat in the liver and in the flight muscle (<u>pectoralis major</u>) of <u>Columba livia</u> during flight. <u>J.Univ.Bomba</u>y, 21, 5.

- George, J.C. and Jyoti, D. 1955a. Histological features of the breast and leg muscle of bird and bat and their physiological and evolutionary significance. <u>J.Anim.Morph.Physiol.</u>, 2, 1
- George, J.C. and Jyoti, D. 1955b. The lipid content and its reduction in the muscle and liver during long and sustained muscular activity. <u>Ibid.</u>, 2, 1.
- George, J.C. and Jyoti, D. 1957. Studies on the Structure and Physiology of the Flight Muscles of Birds. 2. The relative reduction of fat and glycogen in the <u>pectoralis major</u> muscle during sustained activity. <u>Ibid.</u>, 4, 2.
- George, J.C. and Naik, R.M. 1957b. Studies on the Structure and Physiology of the Flight Muscles of Bats. 1. The occurrence of two types of fibres in the <u>pectoralis major</u> muscle of the bat (<u>Hipposideros speoris</u>), their relative distribution, nature of the fuel store and mitochondrial content., <u>Ibid</u>.4,96.
- George, J.C. and Naik, R.M. 1958a. Relative distribution and chemical nature of, the fuel store of the two types of fibres in the <u>pectoralis</u> <u>major</u> muscle of the pigeon. <u>Nature</u>, 181, 709.
- George, J.C. and Naik, R.M. 1958b. Relative distribution of the mitochondria in the two types of fibres in the <u>pectoralis</u> <u>major</u> muscle of the pigeon. <u>Ibid</u>, 181, 782.

George, J.C., Pishawikar, S.D. and Scaria, K.S. 1958. A rapid method for the qualitative analysis of free amino acids in tissues by paper chromatography. Exptl.Cell. Res. 15, 242.

George, J.C., Vallyathan, N.V. and Scaria, K.S. 1958. Lipase activity

in insect flight muscle. Experientia, 14, 250.

119

Glick, D. 1949. Techniques of Histo-and Cytochemistry.

Interscience Publishers Inc., New York.

Goldstein, N.P. et al. 1948. Lipase (Tributyrinase)

J. Lab. Clin. Med., 33, 1047.

- Gomori, G. 1953. Microscopic Histochemistry, Principles and Practice, University of Chicago Press, Chicago.
- Green, D.E. 1954. Fatty acid oxidation in Soluble systems of animal tissues. <u>Biol. Rev.</u>, 29, 330.

Green, D.E. 1955. Oxidation and synthesis of fatty acids in soluble enzyme systems of animal tissues. <u>Clin.Chem.,1</u>, 53.

- Guttman, R. <u>et al</u>. 1957. Resting potential and contractile system changes in muscles stimulated by cold and potassium. <u>J.Cell.Comp.Physicl.</u>, 50, 265.
- Harrow, B. 1950. Text Book of Biochemistry, W.B.Saunders Co., Philadelphia.

Hawk, <u>et al</u>, 1954.Practical Physiological Chemistry, Mc Grow-Hill . Heilbrunn, L.V. 1952. Outlines of General Physiology,

W.B.Saunders Co., Philadelphia.

Hellerman, L. 1937. As cited by Barron.

Henderson, Y. 1923. As cited by Brody.

Herr, E.B. Jr. and Sumner, J.B. 1955. The purification of pancreatic lipase and the estimation of its activity. <u>Ann. Acad.Scient.</u> <u>Finnicae.</u>, A 11 Biochemistry of Nitrogen, 60, 64.

Hill,A.V. 1956. The design of muscle. <u>Brit.Med.Bull.</u>, 12, 165.
Hill,A.V. 1958. Priority of heat production in a muscle twich.
<u>Proc.Roy.Soc.</u> B. 148, 397.

Iselin, B.M. and Schuler, W. 1957. Influence of heparin on lipoprotein lipase (Clearing factor) from tissues. <u>Helv.Physiol.et. Pharmacol.Acta.</u>, 15, 14. Kennedy, J.S. and Lehninger, A.L. 1948. Intracellular structure and fatty acid oxidase system of rat liver. J.Biol.Chem., 172, 847.

Knox <u>et al</u>. 1948. Studies on the Gyclophorase System. 111. Obligatory sparking of fatty acid oxidation. <u>J.Biol.Chem</u>., 176, 117. Kleiber, M. 1932. As cited by Brody.

Korn,E.D. and Quigley, T.W. 1955. Studies on lipoprotein lipase

of rat heart and adipose tissue. <u>Biochem.et.Bioph.Acta.</u>,18,143. Lassow, W.J. and Chaikoff, I.L. 1955. Carbohydrate sparing of fatty acids oxidation. Arch. Biochem. and Biophys., 57,27.

Lehninger, A.L. and Kennedy, E.P. 1949. Oxidation of fatty acids and tricarboxylic acid cycle intermediates by isolated rat liver mitochondria. <u>J.Biol.Chem.</u>, 179, 957.

Lehninger <u>et al.</u> 1958. Oxidative phosphorylation. <u>Science</u>, 128, 450. Lipman, F. 1941. Advances in Enzymology Vol. 1 Ed. F.F.Nord

Academic Press, New York.

Little, J.C. and Caldwell, M.L. 1943. J. Biol. Chem., 147, 229.

Low <u>et al</u>. 1958. Studies on the relation of the ATP-Pi exchange reaction of mitochondria to oxidative phosphorylation.

Biochem.et.Biophys.Acta., 29, 392.

Masoro, E.J. and Felts, J.M. 1958. Role of carbohydrate metabolism

in promoting fatty acid oxidation. <u>J.Biol.Chem</u>.,231, 347. Massart,L. 1950. The Enzymes.Vol. 1 p.307 Ed. F.F.Nord

Academic Press, New York.

Mark, D. D. 1950. As cited by Pearse.

Martin, H.E. and Peers, F.G. 1953. Oat lipase. <u>Biochem.J.</u>, 55, 523. Matlack, M.B. and Tucker, I.W. 1940. An esterase from muscular

tissue. J.Biol.Chem., 132, 663.

Michaelis, L. and Schubert, M.P. 1934. <u>J.Biol.Chem.</u>, 106, 331. Nachlas, M.M. and Blackburn, R. 1958. Colorimetric determination of urinary lipase. <u>J.Biol.Chem.</u>, 230, 1051.

Nachmias, V.J. and Padykula, H.A. 1958. A histochemical study of normal and denervated red and white muscles of the rat. J.Biophysic. and Biochem. Cytol., 4, 47.

Overbeek, G.A. 1957. Fat splitting enzymes of the blood. Clin.Chim.Acta., 2, 1.

Paul, M.H. and Sperling, E. Cyclophorase System. XXIII. Cor relation of cyclophorase activity and mitochondrial density in striated muscle. <u>Proc.Soc.Exptl.Biol.Med.</u>,79,352.

Pearse, E.A.G. 1954. Histochemistry, Theoretical and Applied.

J.& A. Churchill, London.

Pearse, E.A.G. and Scarpelli, D.G. 1958. Cytochemical localization of succinic dehydrogenase in mitochondria from <u>Periplaneta</u> <u>americana</u>. <u>Nature</u>, 181, 702.

Prosser, C.L. <u>et al.</u> 1950. Comparative Animal Physiology. W.B.Saunders Co., Philadelphia.

Seaman, G.R. and Naschki, M.D. 1955. Reversible cleavage of succinate by extracts of Tetrahymena (Ciliate).

J.Biol.Chem., 217, 1.

Seligman, A.M. on al. 1949, Cancer.Res., 9. 366.

Seligman et al. 1951. As cited by Pearse.

Schmidt, N.S. and Jorgine, S. 1939. Uber Lipasen in der gekochten Musculatur von Salmoniden. Det Kongelige Norske

Videnskabero Selskab Forhandlinger BD XI, NR, 43.

Schneider, W.C. and Potter, V.R. 1949. Intracellular distribution of enzymes. The distribution of oxalacetic oxidase activity in rat liver and rat kidney fractions. <u>J.Biol.Chem.</u>, 177,893. Shelton, E. and Schneider, W.C. 1952. On the usefulness of

tetrazolium salts as his tochemical indicators of

dehydrogenase activity. Anat. Rec., 112, 61.

Slater, E.C. 1953. Mechanism of phosphorylation in the respiratory chain. <u>Nature</u>, 172, 975.

Straus, F.H. et.al. 1948. Science, 108, 113.

Sholefield, P.G. 1957. Fatty acid oxidation. IV. Effect of

fatty acids on the oxidation of other metabolites.

Ganad. J. Biochem. Physiol., 34, 1211.

Sneath, P.H.A. 1951. As cited by Pearse.

Sumner, J.B. and Somers, G.F. 1953. Chemistry and Methods of Enzymes. Academic Press, New York.

Szent-Gyorgyi, A. 1951. Chemistry of Muscular Contraction.

Academic Press, New York.

Umbreit et al. 1951. Manometric Techniques and Tissue Metabolism.

Burgess Publishing Co., Minneapolis 1, Minn.

Warburg, 0. and Sakuma. 1923. As cited by Barron et al,

Biochem. J., 41, 62. (1947)

Webb,E.C. and van Heyningen,R. 1947. The action of British Anti-lewisite (BAL) on enzyme systems. <u>Biochem.J.</u>, 41,74. Weis-Fogh,T. 1952. Fat combustion and metabolic rate of flying

locusts (Schistocerca gregaria Forskal).

Phil. Trans. Roy. Soc. London B. 237, 640.

Zacks, S.I. and Welsh, J.M. 1953. Cholinesterase and lipase

in the amoebocytes intestinal epithelium and heart muscle

of the Quahog, Venus mercenaria. Biol. Bull., 105, 200.