

BIBLIOGRAPHY

- Aldridge, W.N. 1953 a. Serum esterases 1. Two types of esterases (A & B) hydrolysing p-nitrophenyl acetate, propionate and butyrate and a method for their determination. Biochem.J. 53 : 110-117.
- Aldridge, W.N. 1953 b. Serum esterases 2. An enzyme hydrolysing diethyl p-nitrophenyl phosphate (E600) and its identity with the A-esterase of mammalian sera. Ibid., 53 : 117-124.
- Aldridge, W.N. 1954. Some esterases of the rat. Ibid., 57 : 692-702.
- Arvy, L., J.J. Bounhiol and M. Gabe. 1953. Deroulement de la neurosecretion protocerebrale chez Bombyx mori L. au cours du developpement post embryonair. C.R. Acad.Sc., Paris, 226 : 627-629.
- Baker, F.D. and Paretsky, D. 1958. Studies on the enzyme lipase in the housefly. Arch. Biochem. Biophys. 77 : 328-335.
- Baker, J.R. 1946. Histochemical recognition of lipines. Quart. J. Micr. Sc., 87 : 447.
- Balls, A.K., M.B. Matlack and I.W. Tucker. 1937. as cited by Bier, M. 1955. q.v.
- Bamann, E. and P. Laeverenz. 1934. as cited by Wills, E.D. 1950. q.v.
- Barka, T. 1962. Cellular localization of acid phosphatase activity J. Histochem. Cytochem., 10 : 2
- Barron, E.S.G. 1951. Advances in Enzymology, vol. 11, Ed. F.F. Nord. Interscience Publishers Inc., New York.
- Beall, G. 1948. The fat content of a butterfly, Danaus plexippus Linn. as affected by migration. Ecology, 29 : 80-94.

- Bellamy, D. 1958. The structure and metabolic properties of the tissue preparations from Schistocerca gregaria (Desert locust). Biochem.J., 70 : 580-589.
- Bettini, S. 1947. as cited by H. Lüpke and G. Fraenkel, Insect Nutrition, Ann. Rev. Ento., 1 : 17-44.
- Bhakthan, N.M.G. 1961. A histophysiological study of the insect flight muscles. Ph.D. Thesis, M.S. Univ., Baroda.
- Bier, K. 1954. Über phasen gesteigerter protein und kohlehydratein lagerung und die Fettverteilung im Hymenopterenovar. Verhandl. Deut. Zool. Ges., 18 : 422-429.
- Bier, M. 1955. Methods in Enzymology vol I, Ed. S.P. Colowick and N.O. Kaplan. Academic Press Inc., New York.
- Bishop, G.H. 1922. Cell metabolism in the insect fat body
I. Cytochemical changes accompanying growth and histolysis of the fat body of Apis mellifica. J. Morph., 36 : 567-600.
- Bishop, G.H. 1923. Cell metabolism in the insect fat body
II. A functional interpretation of the changes in structure in the fat body cells of the honey bee. Ibid., 37 : 533-553.
- Bishop, G.H. 1958. Nuclear and cytoplasmic changes in the fat cells of the queen bee during metamorphosis. J. Exp. Zool., 137 : 501.
- Buys, K.S. 1923. Adipose tissue. J. Morph. 38 : 485-528.
- Bodenstein, D. 1953. Studies on the hormonal mechanisms in growth and metamorphosis of the cockroaches Periplaneta americana. III. Humoral effects on metabolism. Biol.

Bull., 124 : 105-115.

- Bonhag, P.F. 1959. Histological and histochemical studies on the ovary of the American cockroach, Periplaneta americana (L). Univ. California. Publications, in Ento. 16 : 81-124.
- Brues, C.T. 1946. Insect dietary, Harvard Univ. Press, Cambridge, Massachusetts.
- Cameron, M.L. and J.E. Steel. 1959. A simplified Aldehydefuchsin staining of neurosecretory cells. Stain. Tech. 34 : 265-266.
- Cherkes, A and R.S. Gordon (Jr). 1959. cited by Rizak, M.A. 1961. q.v.
- Chino, H. 1956. The changes in the phosphorus compounds during embryonic development of the silkworm, Bombyx mori. Embryologia, 3 : 167-186.
- Clavert, J. 1953, cited by Chr.P. Raven, Oogenesis: The storage of developmental information. 1961, Pergamon Press.
- Clements, A.N. 1959. Studies on the metabolism of locust fat body. J. Exp. Biol., 36: 165-175.
- Colombo, G. 1955. L'oogenesi negli ortoter's II. Recherche Sull'accrescimento degli oociti di Anacridium aegypticum, L., Arch. Zool. Hal., 40 : 235-263.
- Constantin, 1960. cited by Ory, et al, 1962 q.v.
- Coupland, R.E. 1957. Observations on the normal histology and histochemistry of the fat body of the desert locust (Schistocerca gregaria). J. Exp. Biol. 34 : 290-296.
- Cowgill, R.W. 1955. Effects of surface active agents on crystallin rabbit muscle phosphorylase. Biochem. Biophys. Acta. 17: 554-560.

- Desnuelle, P. 1951. cited by Martin, H.F. and Peers, F.G. 1953, q.v.
- DiNella, R.R., H.C. Meng and C.R. Park., 1960. Properties of intestinal lipase. J. Biol. Chem. 235 : 3076-3081.
- Dixon, M. and Webb, E.C., 1958. in Enzymes, p.379. Longmans.
- Dukley, W.L. and L.M. Smith., 1951. Hydrolytic rancidity in milk. III. Tributyrinase determination as a measure of lipase. J. Dairy Sci., 34 : 935.
- Dupont-Raabe, M. 1952. cited by K.C. Highnam 1961 c, q.v.
- Dupont-Raabe, M. 1956. cited by K.C. Highnam, 1962, q.v.
- Eapen, J. 1959. A histophysiological study on the adipose tissue. Ph.D. Thesis, M.S. Univ., Baroda.
- Eidman, H. 1929. cited by Wigglesworth, V.B. 1953. q.v.
- Eidman, H. 1931. cited by Wigglesworth, V.B. 1953. q.v.
- Engelberg, H. 1956. Human endogenous lipemia clearing activity. Studies of lipolysis and effect of inhibitors. J. Biol. Chem. 222 : 601.
- Ewen, A.B. 1962. An improved aldehydefuchsin staining technique for neurosecretory products in insects. Trans. Amer. Micr. Sci. 81 : 94-96.
- Farber, E., Sternberg, W.H. and Dunlap, C.E., 1956. Histochemical localization of specific oxidative enzymes; III. Evaluation studies of tetrazolium staining methods for diphosphopyridine nucleotide diaphorase, triphosphopyridine nucleotide diaphorase and the succinic dehydrogenase system. J. Histochem. Cytochem., 4 : 284-294.

- Fawcett, D.W., 1952. A comparison of the histochemical organization and cytochemical reactions of brown and yellow adipose tissue. J.Morph., 90 : 363.
- Fenwick, M.L., 1958. Intracellular particles of locust fat body. Nature, 182, 607.
- Fiore, J.V. and Nord, F.F., 1949. Lipase determination with the aid of polyvinyl alcohol. Arch.Biochem., 23 : 473.
- Fiore, J.V. and Nord, F.F., 1950. Isolation and some properties of lipase from Fusarium lini Bolly. Arch.Biochem. 26 : 382.
- Formigoni, A., 1956. Neurosecretionet organes endocrines chez Apis mellifera. Ann.Sci.Nat.Zool.et Biol.Animale. 18 : 283-290.
- Fraser, A., 1959. Neurosecretion in the brain of the larvae of the sheep blowfly, Lucilia. Quart.J.Micr.Sci. 100 : 377-399.
- George, J.C. and Bhakthan, N.M.G., ^{1960-a.} Lipase activity in the thoracic muscles of the beetle (Heliocopris bucephalus. Fabr.). Naturwissenschaften, 24 : 1-2.
- George, J.C. and Bhakthan, N.M.G., 1960 b. A study on the fibre diameter and certain enzyme concentration in the flight muscles of some butterflies. J.Exp.Biol., 37 : 308-315.
- George, J.C. and Bhakthan, N.M.G., 1960 c. The fibre diameter and certain enzyme concentrations in the flight muscles of some moths. J.Anim.Morph.Physiol., 7: 141-149.
- George, J.C. and Bhakthan, N.M.G., 1963. In vitro lipase activity and oxidation of butyrate by the honeybee flight muscles. J.Ins.Physiol., 9 : 311.

- George, J.C. and Eapen, J., 1958. Certain histochemical and physiological observations on the adipose tissue of the pigeon. J.Anim.Morph.Physiol., 5 : 49-57.
- George, J.C. and Eapen, J., 1959 a. Histochemical demonstration of lipase and alkaline phosphatase activity in the fat body of the desert locust. Nature, 183 : 268.
- George, J.C. and Eapen, J., 1959 b. Lipase activity in the fat body of the desert locust, Schistocerca gregaria. J.Cell.Comp.Physiol., 54 : 293-295.
- George, J.C. and Eapen, J., 1959 c. A histological and histochemical study of the brown and yellow adipose tissue of the bat, Hipposideros speoris. Quart.J.Micr.Sci. 100 : 369-375.
- George, J.C. and Eapen, J., 1959 d. Lipase activity in the brown and yellow adipose tissue of the bat. Nature, 184 : 59-60.
- George, J.C. and Iype, P.T., 1962. Certain biochemical properties of the heart muscle lipase. J.Anim.Morph.Physiol. 9 : 50-58.
- George, J.C. Iype, P.T., 1963. Lipase activity of pigeon heart muscle particulate fractions and its metabolic significans. Am.J.Physiol., 204 : 165.168.
- George, J.C. and Jyoti, D. 1955. The lipid content and its reduction in the muscle during long and sustained muscular activity. J.Anim.Morph.Physiol., 2 : 1.
- George, J.C. and Jyoti, D. 1957. Studies on the structure and physiology of the flight muscles of the birds.

2. The relative reduction of fat and glycogen in the pectoralis major muscle during sustained activity.

Ibid., 4 : 119-123.

George, J.C. and Scaria, K.S., 1956. On the occurrence of lipase in the skeletal muscles of vertebrates and its possible significance in sustained muscular activity

Ibid., 3 : 91-103.

George, J.C. and Scaria, K.S., 1957 Lipase activity in the vertebrate heart muscle and its relation to basal metabolism. Ibid., 4 : 107-112.

George, J.C. and Scaria, K.S., 1958. A histochemical study of succinic dehydrogenase activity in the pectoralis major muscle of the pigeon and certain other vertebrate skeletal muscles. Quart. J. Micr. Sci., 99 : 469-473.

George, J.C. and Scaria, K.S. 1959 a. Activation of pigeon pancreatic lipase by mercuric chloride. Curr. Sci., 28.

George, J.C. and Scaria, K.S. 1959 b. The pigeon breast muscle lipase. J. Anim. Morph. Physiol., 6 : 55-66.

George, J.C. and Susheela, A.K., 1962. The effect of starvation on the fat and protein contents and the lipase and succinic dehydrogenase activity in the rat diaphragm. J. Anim. Morph. Physiol., 8 : 69-73.

George, J.C. and Talesara, C.L., 1962. Histochemical observations on the succinic dehydrogenase and cytochrome oxidase activity in the pigeon breast muscle.

Quart. J. Micr. Sci., 102 : 131-141.

- George, J.C., Vallyathan, N.V. and Scaria, K.S., 1958. The effects of lipase activity in insect flight muscle. Experientia, 14 : 250-251.
- Gier, H.T., 1947. cited by Wigglesworth, V.B. 1953, q.v.
- Gilmer, D., 1961. Biochemistry of insects. Academic Press. New York.
- Gomori, G., 1941. as given by Gray, P. 1954. The microtomists' formulary and guide. The Blackiston Co., New York.
- Hausberger, F.X. and Milstein, S.W., 1955. Cited by Rizak, M.A. 1961. q.v.
- Hawk, P.B., Oser, B.L. and Summerson, W.H., 1954. Practical physiological chemistry. McGraw-Hill Book Co., Inc., New York.
- Hearfield, H.A. and Kilby, B.A., 1958. Enzymes of the tricarboxylic acid cycle and cytochrome oxidase in the fat body of the desert locust, Nature, 181 : 546-547.
- Heller, J. 1926. cited by Ludwig, D., 1950. q.v.
- Hess, R., Scarpelli, D.G. and Pearse, A.G.E., 1958. Cytochemical localization of pyridine nucleotide linked dehydrogenases. Nature, 181 : 1531-1532.
- Highnam, K.C., 1961 a. Variations in the neurosecretory activity during oocyte development in Schistocerca gregaria. Proc. Soc. Endocrinol. 25: J. Endocrinol. 1962, 24: IV-V.
- Highnam, K.C., 1961 B. Induced changes in the amounts of material in the neurosecretory system of the desert locust. Nature, 191 : 199-200.
- Highnam, K.C., 1961 c. The histology of the neurosecretory system of the adult female locust Schistocerca gregaria. Quart. J. Micr. Sci., 102 : 27-38.

- Highnam, K.C., 1962. Neurosecretory control of ovarian development in Schistocerca gregaria. Quart. J. Micr. Sci., 103: 57-72.
- Highnam, K.C. and Lush, O., 1962. The influence of males on the neurosecretory control of ovarian development in the desert locust, Quart. J. Micr. Sci., 103: 73-83.
- Hollenberg, C.H., 1956. Cited by Jeanrenaud, B., 1961. Dynamic aspects of adipose tissue metabolism: A review, q.v.
- Hollenberg, C.H., 1959. Cited by Jeanrenaud, B. 1961, q.v.
- Hollenberg, C.H., 1960. Cited by Jeanrenaud, B., 1961. q.v.
- Hollet, C. and Meng, H.C., 1956. Comparison of the fat emulsion clearing activities of post heparin plasma and pancreatic lipase. Am. J. Physiol., 184 : 428.
- Hoskins, D.D., V.H. Cheldelin, and R.W. Newburgh., 1956. Oxidative enzymic systems of the honeybee, Apis mellifera L. J. Gen. Physiol., 39 : 705-713.
- Jeanrenaud, B., 1961. Dynamic aspects of adipose metabolism : A review. Metabolism, 10 : 535-581.
- Kilby, B.A. and Neville, E., 1957. Amino acid metabolism in locust tissues. J. Exp. Biol., 34: 276-289.
- Kirby, W.F., 1914, The fauna of British India including Ceylon and Burma, Orthoptera, Acrididae. Ed. Shipley, A.E. Thacker and Co., Bombay.
- Kivalo, E., Rivne, U.K. and Makela, S. 1958. Acetyl-cholinesterase acid phosphatase and succinic dehydrogenase in the hypothalamic magnocellular nuclei after serotonin

- administration. Experientia, 14 : 408.
- Köcking, B., 1954. Mosquito News., 14, : 121.
- Korn, K.D., 1955 a., Clearing factor, a heparin activated lipoprotein lipase I. Isolation and characterization of the enzyme from normal rat heart. J.Biol.Chem., 215 : 1.
- Korn, K.D., 1955 b. Clearing factor, a heparin activated lipoprotein lipase II. Substrate specificity and activation of coconut oil. J.Biol.Chem., 215 : 13.
- Korn, K.D., 1958. In Chemistry of lipids as related to atherosclerosis. A symposium, Springfield, Illi.
- Korn, K.D. and Quingley, T.W. (Jr.), 1957. Lipoprotein lipase of chicken adipose tissue. J.Biol.Chem., 226 : 833.
- Kreuser, A., 1921. Der fettkörper und die oenocyten von Dytiscus marginalis. Z.wiss. Zool., 119 : 247-284.
- Krogh, A. and Weis-Fogh, T., 1951. Respiratory exchange of desert locust before, during and after flight. J.Exp.Biol. 28 : 344-357.
- Kurnick, N.B., 1947. As cited by Pearse, A.G.E. 1960. q.v.
- Kurnick, N.B., 1949. Cited by Pearse, A.G.E., 1960. q.v.
- Kurnick, N.B., 1950 a. Cited by Pearse, A.G.E., 1960. q.v.
- Kurnick, N.B., 1950b. Cited by Pearse, A.S.G., 1960. q.v.
- Lafon, M. 1941. Cited by Ludwig, D. 1950. q.v.
- Lefroy, H.M., 1909. Indian Insect Life. Government of India, Agri.Res.Insti., Pusa.
- L'Helias, C. 1953 a. Role des corpora allata dans le metabolisme

- des glucides, de l'azote et des lipides chez le phasme *Dixippus morrosus*. C.R.Acad.Sci., Paris.226:2164
- L'Helias, 1953 b. Etude comparee de l'azote total et de l'azote non proteinique chez le phasme *Dixippus morosus* apres ablation des corpora allata. C.R.Acad.Sci. Paris. 226, ,2489-2491.
- L'Helias, C. 1956. Les hormones du complex retrocerebrae du phasme *Carausius morosus*: action chimique et identification du squelette commun de ces hormones. L'Annee.Biol., 60 : 203-219.
- Littau, V., 1960. Cytological differences between the fat body tissue of adult male and female grasshoppers (Homoptera, Cicadellidae). J.Morph., 106 :187-195.
- Ludwig, D., 1950. The metabolism of the starved nymphs of the grasshoppers, Chortophaga viridifasciata, De Geer. Physiol.Zool., 23 : 41-47.
- Lynn, W.S.(Jr.) and Perryman, N.C., 1960. Properties and purification of adipose tissue lipase. J.Biol.Chem. 235 :1912.
- McBrain, J.W. 1950, Colloid Science. (Ch. 17). D.C.Heath & Co.
- McGinnis, A.J., Cheldelin, V.H. and Newburgh, R.W., 1956. Enzyme studies of the various stages of the Blowfly Phormia regina (Meig.). Arch.Biochem.Biophys. 63 : 427-436.
- McGreal, R.D. and Farner, D.S., 1956. Premigratory fat deposition in the Gambel White-crowned sparrow. Some morphologic

- and chemical observations. Northwest.Sci, 30 :12.
- Mankiwiez, E., 1949. As cited by Day, M.F. and Waterhouse, D.F.
in Insect Physiology, Ed. K.D.Roeder, 1953. John Wiley & Sons.,
Inc., New York.
- Martin, H.F. and Peers, F.G., 1953. Oat lipase, Biochem.J., 55: 523.
Mattson, F.H. and Beck, L.W., 1956. J.Biol.Chem., 219 :735.
- Melampy, R.M. and Maynard, L.A., 1937. Cited by Wigglesworth, V.B.
1953. q.v.
- Mellanby, K., 1932. The effect of atmospheric humidity on the
metabolism of the fasting mealworm (Tenebrio molitor L.
Coleoptera). Proc.Roy.Soc., London. B. 111 :376-390.
- Meyer, H., Preiss, B. and Sh. Bauer., 1960. The oxidation of
fatty acids by a particulate fraction from desert locust
(Schistocerca gregaria) thorax tissues. Biochem.J.,
76 : 27-35.
- Moog, F. 1946. The physiological significance of the phospho-
monoesterases. Biol.Rev., 21 : 41-59.
- Mounter, L.A. and Wittaker, V.P., 1953. Cited by Pearse, A.G.E.
1960. q.v.
- Myers, D.K., Schotte, A. and Mendel, B., 1955 a. Studies on
ali-esterases and other lipid hydrolysing enzymes
2. The effect of heparin injection on alimentary lipaemia
and on the plasma esterases. Biochem.J. 60 : 481.
- Myers, D.K., Schotte, A., Boer, H. and Borsje-Bakker, H., 1955.b.
Studies on aliesterases and other lipid hydrolysing
enzymes. 3. Inhibition of the esterases from pancreas.
Biochem.J., 61 : 521-528.

- Nachlas, M.M. and Seligman, A.M., 1949. Cited by Bier, M. 1955, q.v.
- Naik, D.V., 1963. Seasonal variations in the metabolites of the liver of the rosy pastor, Sternus roseus (L). Pavo, 1 : 44-47.
- Nakamura, M., Pichette, P., Broitman, S., Bezman, A.L., Zamcheck, N., and Vitale, J.J., 1959. Studies on the inhibitory effect of intestinal mucosa on succinoxidase activity. J. Biol. Chem., 234 : 206-210.
- Nath, V., B. Gupta, and B. Lal, 1958. Histochemical and morphological studies of the lipids in oogenesis I. Periplaneta americana. Quart. J. Micr. Sci., 99 : 315-332.
- Nayar, K.K., 1955. Cited by Highnam, K.C., 1961 c. q.v.
- Nayar, K.K., 1955. Studies on the neurosecretory system of Iphita limbata, Stal. part V. Probable endocrine basis of oviposition in the female insect. Proc. Indian Acad. Sci., 67 : 233-249.
- Nelsen, W.L., 1958. Fat metabolism with reference to insects. Proc. 10th Int. Cong. Ent., 2 : 359-364.
- Newton, C.J., 1954. Effects of starvation on the composition of Japanese beetle larvae, Popillia japonica N. Physiol. Zool., 27 : 248-258.
- Niemierko, S., P. Wlodauer and A.W. Wojtczak., 1956. Lipid and phosphorus metabolism during growth of the silkworm (Bombyx mori, L.). Acta. Biol. Exper., 17 : 255-276.
- Novikoff, A.B., 1953. In Proceedings of the 4th ann. meeting of the Histochemical Soc., J. Histochem. Cytochem., 1 : 376.

- Odum, E.P. and Connel, C.E., 1956. Lipid levels in migrating birds. Science, 123 : 892.
- Odum, C.P. and Perkinson, J.D. (Jr.), 1951. Relation of lipid metabolism to migration in birds: Seasonal variations in body lipids of the migratory white throated sparrow. Physiol. Zool., 24: 216.
- Ory, R.L., A.J. St. Angelo, and A.M. Altschul., 1962. The acid lipase of the castor bean, properties and substrate specificity. J. Lipid. Res., 3 : 99-105.
- Overbeck, G.A. and Van Der Vies, 1955. Clearing factor and lipase, Biochem. J., 60.:665.
- Padykula, H.A., 1952. The localization of succinic dehydrogenase in tissue sections of the rat. Am. J. Anat., 91 : 107-132.
- Pearse, A.G.E., 1957. Intracellular localization of dehydrogenase systems using monotetrazolium salts and metal chelation of their formazans., J. Histochem. Cytochem. 5 : 515-527.
- Pearse, A.G.E., 1959 Cited by Clements, A.N. 1959. q.v.
- Pearse, A.G.E., 1960. Histochemistry : Theoretical and applied. 2nd Ed. Little, Brown & Co., Boston.
- Pearse, A.G.E. and Scarpelli, D.G., 1958. Cytochemical localization of succinic dehydrogenase in mitochondria of Periplaneta americana. Nature, 181 : 702-703.
- Perry, F.W., 1958. Acetate utilization by liver and adipose tissue of rats fasted in the cold. Can. J. Biochem. Physiol., 36 : 236-247.
- Pfeiffer, I.W., 1945. Effect of corpora allata on the metabolism of adult female grasshoppers. J. Exp. Zool., 99: 183-233.

- Remillard, G.L., 1958. Histochemical and microchemical observations on the lipids of the interscapular brown fat of the female vespertilionid bat, Myotis lucifugus lucifugus Ann. New York Acad. Sci. 72: 1.
- Rizek, M.A., 1961., An epinephrine sensitive lipolytic activity in adipose tissue. J. Biol. Chem., 236 : 657-662.
- Rona, P. and Takata, M., 1922. Cited by DiNella, et al, 1960: q.v.
- Rosa, C.G. and Velardo, J.T., 1954. Histochemical demonstration of succinic dehydrogenase activity in tissue sections by a modified technique. J. Histochem. Cytochem., 2: 110-114.
- Rutenburg, A.M., Wolman, M. and Seligman, A.M., 1953. Comparative distribution of succinic dehydrogenase in six ~~animals~~ mammals and modification in the histochemical technique. J. Histochem. Cytochem. 1: 66
- Sacktor, B., 1955. Cell structure and the metabolism of insect flight muscles. J. Biophys. Biochem. Cytol., 1: 1-12.
- Scaria, K.S., 1958. Studies on certain enzymes of the skeletal and cardiac muscles of vertebrates with emphasis on lipase. Ph.D. Thesis, M.S. Univ., Baroda.
- Scharrer, B., 1952. Neurosecretion II. The effects of nerve section on the intercerebralis-cardiacum-allatum system of the insect, Leucophaea maderae. Biol. Bull., 102 : 261-72.
- Schlottke, E. 1937. Cited by Day, M.F. and Waterhouse, D.F. in Insect physiology, Ed. K.D. Roeder, 1953. John Wiley & sons, Inc. New York.

- Schonhyder, F. and KVolqvartz, K. , 1945. Cited by Bier, M.
1955. q.v.
- Scriban, and Dragut , 1945. Cited by Hanstrom, B., 1939.
Hormones in invertebrates, Oxford, Claredon Press.
- Scott, J.E., 1953. Pancreatic lipase : a scheme of its specificity and a hypothesis of the mechanism of its action. Nature, 172 : 777-778.
- Seligman, A.M. and Rutenburg, A.M., 1951. The histochemical demonstration of succinic dehydrogenase. Science, 113 : 317-320.
- Shearer, G., Hodes, R. and Farber, E. 1952. Histochemical demonstration of succinic dehydrogenase and malic dehydrogenase in nervous tissue. Amer.J.Physiol., 171: 766-767.
- Shelton, E. and Schneider, W.C., 1952. On the usefulness of tetrazolium salts as indicators of dehydrogenase activity. Anat.Rec., 112 : 61-81.
- Shigematsu, H., 1958. Synthesis of blood proteins by the fat body in the silkworm, Bombyx mori, L. Nature, 182 : 880-882.
- Singer, T.P. and Barron, E.S.G., 1945. Cited by Wills, 1960.q.v.
- Singer, T.P. and Hofstee, B.H.J., 1948. Studies on wheat germ lipase I. Methods of estimation, purification and general properties of the enzyme. Arch.Biochem. 18 : 229-243.
- Snodgrass, R.E., 1956. Anatomy of the honeybee. Comstock Publishing Ass., New York.

- Stay, B., 1959. Histochemical studies on the Blowfly, Phormia regina (Meig.). II. Distribution of phosphatases, dehydrogenases and cytochrome oxidases during larval and pupal stages. J. Morph., 105, : 457-493.
- Telfer, W.H., 1958. Fluorescent antibody studies of blood proteins uptake by moth oocyte. Anat. Rec., #31, 603-604.
- Tietz, A. 1961. Fat synthesis in cell free preparations of the locust fat body. J. Lipid. Res., 2: 182-187.
- Tietz, A., 1962. Fat transport in the locust. J. Lipid. Res. 3; 421-426.
- Thomsen, E., 1942. Cited by Scharrer, B. in The Hormones vol II. 1950. Ed. Pincus, G. and Thimann, K.V., Academic Press. Inc. New York.
- Thomsen, E. 1950. Cited by Scharrer, B., Ibid.
- Thomsen, E., 1952. Functional significans of the neurosecretory brain cells and the corpus cardiacum in the blowfly, Calliphora erythrocephala, Meig., J. Exp. Biol., 31 : 322-330.
- Thomsen, E., 1954. Studies on the transport of neurosecretory in Calliphora erythrocephala, by means of ligaturing experiments. J. Exp. Biol., 31 : 322-333.
- Thomsen, M., 1954 a. Cited by Highnam, K.C. 1961 c. q.v.
- Thomsen, M., 1954 b. Cited by Highnam, K.C. 1962 c, q.v.
- Umbreit, W.W., Burris, R.H., and Stauffer, J.F., 1957. Manometric techniques. Burges Publishing Co., Minneapolis.
- Wang, S. and Dickson, S.E., 1960. Studies on the transaminase activity of muscle tissue from allatectomized roaches, Periplaneta americana. Can. J. Zool., 38: 275-283.
- Webb, E.C., 1948. Cited by Pearse, A.G.E., 1960, q.v.

- Weinstein, S.S. and Wynne, A.M., 1936. Pancreatic lipase.
J. Biol. Chem., 112 : 641-648.
- Weis-Fogh, T., 1952. Fat combustion and metabolic rate of flying locusts (Schistocerca gregaria, Forskal.).
Phil. Trans. Roy. Soc., London, B. 237+ 1-36.
- Wertheimer, E., M. Homosh and E. Shafrir., 1960. Cited by Jeanrenaud, B., 1961. q.v.
- Wigglesworth, V.B., 1939. Hautung bei imagines von wanzen.
Naturwissenschaften, 27 : 301
- Wigglesworth, V.B., 1940. The determination of characters at metamorphosis in Rhodnius prolixus (Hemiptera).
J. Exp. Biol., 17 : 201-222.
- Wigglesworth, V.B., 1942. The storage of protein, fat, glycogen and uric acid in the fat body and other tissues of mosquito larva. J. Exp. Biol., 19 : 56-77.
- Wigglesworth, V.B., 1949., The utilization of reserve substances in Drosophila during flight. J. Exp. Biol., 26:150-163.
- Wigglesworth, V.B., 1953. The principles of insect physiology. Mathuen & Co., London.
- Wigglesworth, V.B., 1954. The physiology of insect metamorphosis. Cambridge Univ. Press. Cambridge.
- Wigglesworth, V.B., 1958. The distribution of esterases in the nervous system and other tissues of the insect Rhodnius prolixus. Quart. J. Micr. Sci., 441-450.
- Wiley, R.B., 1961. The morphology of the stomodeal nervous system in Periplaneta americana (L) and other Blattaria. J. Morph., 108 : 219-261.

- Williams, C.M., 1946. Physiology of insect diapause: The role of the brain in the production and termination of pupal dormancy in the giant silkworm, Platysamia cecropia. Biol.Bull., 94: 60.
- Williams, C.M., 1947. Physiology of insect diapause II. Interaction between the pupal brain and the prothoracic glands in the metamorphosis of the giant silkworm, Platysamia cecropia,. Biol.Bull., 93 :89-98.
- Williams, C.M., 1948 a. Physiology of insect diapause III. The prothoracic glands in the Cecropia silkworm, with reference to their special significance in embryonic and post-embryonic development. Biol.Bull., 94: 60.
- Williams, C.M., 1948 b. Extrinsic control of morphogenesis as illustrated by in the metamorphosis of insects. Growth, 12: 61.
- Wills, E.D., 1954. The effect of anionic detergents and some related compounds on enzymes. Biochem.J. 57: 109-120.
- Wills, E.D., 1960. Relation of metals and -SH groups to the activity of pancreatic lipase. Biochem. Biophys. Acta. 40 :481-489.
- Willstatter, R. and Mammen, F., 1924. Cited by Wills, E.D., 1960. q.v.
- Willstatter, R. and Waldschmidt-Leitz, 1923. Cited by Wood, J.D. q.v.
- Wolf, A., E.A. Kabat and W. Newman, 1943. Histochemical studies on tissue enzymes III. A study of the distribution of acid phosphatase with special reference to the nervous system. Am.J.Path., 19: 423-440.

- Wood, J.D., 1959. Lipase activity in ~~the~~ Lingcod muscle preparations. Can. J. Biochem. Physiol., 37: 937-943.
- Wyatt, G.R., 1959. Phosphorus compounds in insect development. In Fourth Int. Cong. Biochem., 12: 161-178.
- Yamafugi, I. and Yonezawa, Y., 1935. Cited by Day, M.F. and D.F. Waterhouse, in Insect Physiology, Ed, K.D. Roeder, 1953. John Wiley & Sons, Inc., New York.
- Yao, T., 1950. The localization of alkaline phosphatase during post-embryonic development of Drosophila melanogaster, Quart. J. Micr. Sci., 91: 89-105.
- Young, R.G., 1959. Oxidative metabolism of insect fat body. Ann. Ent. Soc. Amer., 52 : 567-570.
- Zebe, E.C., 1954. Uber den stoffwechsel der Lepidopteren. Z. Vergl. Physiol., 30 : 290-317.
- Zebe, E.C., 1960. Condensing enzyme und beta-keto-acyl-thiolase in verchiedenen muskeln. Biochem. Z., 332 : 328-332.
- Zebe, E.C., and McShan, W.H., 1957. Lactic and alpha glycerophosphate dehydrogenase in insects. J. Gen. Physiol. 40 : 779-790.
- Zebe, E.C., 1959. Cited by Drummond and Black, A.C. 1960. Comparative physiology. fuel of muscle metabolism. Ann. Rev. Physiol. 22: 169-190.