

# Bibliography

We give below a list of books, collections of papers, Symposia, Reviews, and Scientific American articles. This is by no means an exhaustive bibliography; but references to original papers can be found in these publications.

Beginning students may first read the Scientific American articles, and advanced students, the latest reviews.

## BOOKS

### Year

- 1945 1. E. Rabinowitch: *Photosynthesis and Related Processes*, Vol. I, 599 pp., Wiley (Interscience), New York, 1945.
- 1951 2. E. Rabinowitch: *Photosynthesis and Related Processes*, Vol. II, Part I, 605 pp., Wiley (Interscience), New York, 1951.
- 1955 3. R. Hill and C. P. Whittingham: *Photosynthesis*, 164 pp., Methuen and Co., Ltd., London, 1955.
- 1956 4. E. Rabinowitch: *Photosynthesis and Related Processes*, Vol. II, Part 2, 879 pp., Wiley (Interscience), New York, 1956.
- 1957 5. J. A. Bassham and M. Calvin: *The Path of Carbon in Photosynthesis*, 104 pp., Prentice-Hall, Englewood Cliffs, New Jersey, 1957.
- 1958 6. E. Rabinowitch: "*La photosynthèse*," 172 pp., Gauthier-Villars, Paris, 1958.
- 1960 7. W. Ruhland (ed.): "*The Assimilation of Carbon Dioxide*," in *Encyclopedia of Plant Physiology*, Vol. V, Part 1, 1013 pp., Part 2, 868 pp., Springer-Verlag, Berlin, 1960.
- 1960 8. H. Gaffron: *Energy Storage: Photosynthesis in Plant Physiology* (F. C. Steward, ed.), Vol. IB (pp. 3-277), Academic Press, New York, 1960.

## Year

- 1962 9. M. Calvin and J. A. Bassham: *The Photosynthesis of Carbon Compounds*, 127 pp., W. A. Benjamin, Inc., New York, 1962.
- 1963 10. M. D. Kamen: *Primary Processes in Photosynthesis*, 183 pp., Academic Press, New York, 1963.
- 1963 11. Japanese Society of Plant Physiologists (ed.): *Studies on Microalgae and Photosynthetic Bacteria*, 636 pp., The University of Tokyo Press, Tokyo, 1963.
- 1964 12. A. C. Giese (ed.): *Photophysiology*, Vol. I, 377 pp., Academic Press, New York, 1964.
- 1965 13. R. K. Clayton: *Molecular Physics in Photosynthesis*, 205 pp., Blaisdell Publishing Co., New York, 1965.
- 1965 14. J. B. Thomas: *Primary Photoprocesses in Biology*, 323 pp., North Holland Publishing Co., Amsterdam, 1965.
- 1965 15. J. L. Rosenberg: *Photosynthesis, the Basic Process of Food-making in Green Plants*, 127 pp., Holt, Rinehart and Winston, New York, 1965.
- 1966 16. L. P. Vernon and G. R. Seely (eds.): *The Chlorophylls—Physical, Chemical, and Biological Properties*, 679 pp., Academic Press, New York, 1966.
- 1966 17. D. R. Sanadi (ed.): *Current Topics in Bioenergetics*, Vol. 1, 292 pp., Vol. 2, 373 pp., Academic Press, New York, 1966–1967.
- 1968 18. G. E. Fogg: *Photosynthesis*, 116 pp., American Elsevier Publishing Co., New York, 1968.

## SYMPOSIA

- 1935 1. Cold Spring Harbor Symposia on Quantitative Biology, Vol. III, 359 pp., The Biological Laboratory, Cold Spring Harbor, New York, 1935.
- 1949 2. J. Franck and W. E. Loomis (eds.): *Photosynthesis in Plants*, 500 pp., Iowa State College Press, Ames, Iowa, 1949.
- 1951 3. J. F. Danielli and R. Brown (eds.): *Carbon Dioxide Fixation and Photosynthesis*, Symposia for Experimental Biology, No. 5, 342 pp., The University Press, Cambridge, 1951.
- 1957 4. H. Gaffron, A. H. Brown, C. S. French, R. Livingston, E. I. Rabinowitch, B. L. Strehler, and N. E. Tolbert (eds.): *Research in Photosynthesis* (Symposium held in 1955), 524 pp., Interscience, New York, 1957.
- 1958 5. R. C. Fuller (Chairman): *The Photochemical Apparatus—Its Structure and Function*, Brookhaven Symposia in Biology, No. 11, 366 pp., Brookhaven National Laboratory, Upton, New York, 1958.

- Year
- 1959 6. Biological Section of U.S.S.R. Academy of Science and Biology Department of Moscow State University: *Problems of Photosynthesis* (Symposium held in 1957), 747 pp., Publishing House of U.S.S.R. Academy of Sciences, Moscow, 1959.
- 1960 7. M. B. Allen (ed.): *Comparative Biochemistry of Photoreactive Systems*, Symposia on Comparative Biology, Vol. 1, 437 pp., Academic Press, New York, 1960.
- 1960 8. L. J. Heidt, R. S. Livingston, E. Rabinowitch, and F. Daniels (eds.): *Photochemistry in the Liquid and Solid States* (Symposium held in 1957), 174 pp., John Wiley and Sons, New York, 1960.
- 1961 9. W. D. McElroy and B. Glass (eds.): *A Symposium on Light and Life* (held in 1960), 924 pp., Johns Hopkins Press, Baltimore, 1961.
- 1961 10. B. Chr. Christensen and B. Buchmann (eds.): *Progress in Photobiology—Proceedings of the 3rd International Congress on Photobiology* (held in 1960), 628 pp., Elsevier Publishing Co., Amsterdam, 1961.
- 1963 11. H. Tamiya (ed.): *Mechanism of Photosynthesis—Proceedings of the V International Congress of Biochemistry* (held in 1961), Symposium Vol. VI, 385 pp., PWN—Polish Scientific Publishers, Warsaw and Pergamon Press, London, 1963.
- 1963 12. H. Gest, A. San Pietro, and L. P. Vernon (eds.): *Bacterial Photosynthesis*, a symposium sponsored by the Charles F. Kettering Research Laboratory, 523 pp., The Antioch Press, Yellow Springs, Ohio, 1963.
- 1963 13. M. R. Wurmser (Chairman): "La photosynthèse," (Symposium held in 1962), Colloques Internationaux du Centre National de la Recherche Scientifique, No. 119, 645 pp., C.N.R.S., 15 Quai Anatole-France, Paris, 1963.
- 1963 14. B. Kok and A. T. Jagendorf (eds.): *Photosynthetic Mechanisms of Green Plants* (Symposium held in 1963), National Academy of Sciences—National Research Council Publication No. 1145, 766 pp., Washington, D.C., 1963.
- 1965 15. D. W. Krogmann and W. H. Powers (eds.): *Biochemical Dimensions of Photosynthesis*, 124 pp., Wayne State University, Detroit, 1965.
- 1965 16. E. J. Bowen (ed.): *Recent Progress in Photobiology* (Symposium held in 1964), 400 pp., Academic Press, New York, 1965 (also Blackwell Scientific Publishers, Oxford).
- 1966 17. T. W. Goodwin (ed.): *Biochemistry of Chloroplasts—Proceedings of a NATO Advanced Study Institute*, held in 1965, Vol. 1, 476 pp., Vol. 2, 700 pp., Academic Press, New York, 1966–1967.
- 1966 18. J. B. Thomas and J. H. C. Goedheer (eds.): *Currents in Photosynthesis—Proceedings of the 2nd Western Europe Conference on Photo-*

## Year

- synthesis*, held in 1965, 487 pp., Ad Donker Publishers, Rotterdam, 1966.
- 1967 19. J. M. Olson (Chairman): *Energy Conversion in Photosynthesis* (Symposium held in 1966), Brookhaven Symposia on Biology, No. 19, 514 pp., Brookhaven National Laboratory, Upton, New York, 1967.
- 1967 20. A. San Pietro, F. A. Greer, and T. J. Army (eds.): *Harvesting the Sun—Photosynthesis in Plant Life*, 342 pp., Academic Press, New York, 1967.
- 1967 21. K. Shibata, A. Takamiya, A. T. Jagendorf, and R. C. Fuller (eds.): *Comparative Biochemistry and Biophysics of Photosynthesis*, 460 pp., University Park Press, Baltimore, 1968.
- 1969 22. H. Metzner (ed.): *Progress in Photosynthesis Research—Proceedings of the 1st International Congress on Photosynthesis Research* (Symposium held 4–10 June, 1968, at Freudenstadt, W. Germany), 3 volumes, in press.

## REVIEWS

- 1958 1. R. Emerson: "The Quantum Yield of Photosynthesis," *Ann. Rev. Plant Physiol.*, **9** (1958), 1–24.
- 1961 2. G. Hoch and B. Kok: "Photosynthesis," *Ann. Rev. Plant Physiol.*, **12** (1961), 155–194.
- 1962 3. C. B. van Niel: "The Present Status of the Comparative Study of Photosynthesis," *Ann. Rev. Plant Physiol.*, **13** (1962), 1–26.
- 1962 4. A. T. Jagendorf: "Biochemistry of Energy Transformation During Photosynthesis," *Survey of Biological Progress*, **4** (1962), 181–344.
- 1963 5. J. H. C. Smith and C. S. French: "The Major and Accessory Pigments in Photosynthesis," *Ann. Rev. Plant Physiol.*, **14** (1963), 181–224.
- 1963 6. R. K. Clayton: "Photosynthesis: Primary Physical and Chemical Processes," *Ann. Rev. Plant Physiol.*, **14** (1963), 159–180.
- 1964 7. J. Franck and J. L. Rosenberg: "A Theory of Light Utilization in Plant Photosynthesis," *J. Theoretical Biology*, **7** (1964), 276–301.
- 1964 8. L. P. Vernon: "Bacterial Photosynthesis," *Ann. Rev. Plant Physiol.*, **15** (1964), 73–100.
- 1964 9. G. W. Robinson: "Quantum Process in Photosynthesis," *Ann. Rev. Physical Chem.*, **15** (1964), 311–348.
- 1964 10. L. N. M. Duysens: "Photosynthesis," *Progress in Biophysics*, **14** (1964), 3–104.

## Year

- 1965 11. A. San Pietro and C. C. Black: "Enzymology of Energy Conversion in Photosynthesis," *Ann. Rev. Plant Physiol.*, **16** (1965), 155-174.
- 1965 12. Govindjee and E. Rabinowitch: "The Photochemical Stage of Photosynthesis," *J. Scientific and Industrial Research* (New Delhi), **24** (1965), 591-596.
- 1965 13. L. N. M. Duysens: "On the Structure and Function of the Primary Reaction Centers of Photosynthesis," *Arch. Biol.* (Liège), **76** (1965), 251-275.
- 1965 14. R. K. Clayton: "Biophysical Aspects of Photosynthesis," *Science*, **149** (1965), 1346-1354.
- 1965 15. L. P. Vernon and M. Avron: "Photosynthesis," *Ann. Rev. Biochem.*, **34** (1965), 269-296.
- 1966 16. N. I. Bishop: "Partial Reactions of Photosynthesis and Photoreduction," *Ann. Rev. Plant Physiol.*, **17** (1966), 185-208.
- 1967 17. L. N. M. Duysens and J. Ames: "Photosynthesis" in *Comparative Biochemistry*, M. Florkin and E. H. Stotz (eds.), **27** (1967), 237-266.
- 1967 18. Govindjee, G. Papageorgiou, and E. Rabinowitch: "Chlorophyll Fluorescence and Photosynthesis," in *Fluorescence, Theory, Instrumentation, and Practice*, Marcel Dekker, Inc., New York, 1967, 511-564.
- 1967 19. Govindjee: "Transformation of Light Energy into Chemical Energy; Photochemical Aspects of Photosynthesis," *Crop Science*, **7** (1967), 551-560.
- 1967 20. M. Gibbs: "Photosynthesis," *Ann. Rev. Biochem.*, **36II** (1967), 757-784.
- 1968 21. M. Avron and J. Neumann: "Photophosphorylation in Chloroplasts," *Ann. Rev. Plant Physiol.*, **19** (1968), 137-166.
- 1968 22. D. S. Bendall and R. Hill: "Haem-Proteins in Photosynthesis," *Ann. Rev. Plant Physiol.* **19** (1968), 167-186.
- 1968 23. G. Hind and J. M. Olson: "Electron Transport Pathways in Photosynthesis," *Ann. Rev. Plant Physiol.*, **19** (1968), 249-282.
- 1968 24. N. K. Boardman: "The Photochemical Systems of Photosynthesis," in *Advances in Enzymology*, F. F. Nord (ed.), 1968, 1-79.

## ARTICLES IN "SCIENTIFIC AMERICAN"

- 1948 1. E. Rabinowitch: "Photosynthesis," *Sci. Am.*, **179** (1948), 3-13.
- 1953 2. E. Rabinowitch: "Progress in Photosynthesis," *Sci. Am.*, **189** (1953), 80-84.

*Year*

- 1960 3. D. I. Arnon: "The Role of Light in Photosynthesis," *Sci. Am.*, **203** (1960), 104-118.
- 1962 4. J. A. Bassham: "The Path of Carbon in Photosynthesis," *Sci. Am.*, **206** (1962), 88-100.
- 1965 5. E. I. Rabinowitch and Govindjee: "The Role of Chlorophyll in Photosynthesis," *Sci. Am.*, **213** (1965), 74-83.