

Svo. 3. *Adventures of a Serf's Wife*, Lon., 1866, p. Svo.

Agassiz, Alexander, B.S., b. 1835, at Neuchâtel, Switzerland, only son of Jean Louis Rodolphe Agassiz, *infra*, his first wife, Cécile Braun. He followed his father to the United States in 1849, graduated at Harvard College in 1855, and studied engineering at the Lawrence Scientific School, where he took the degree of B.S. in 1857. In 1859 he went to California as assistant on the U.S. Coast Survey, and on his return to Cambridge became connected with the Museum of Comparative Zoology. From 1866 to 1869 he was superintendent of the Culmet and Hecla copper-mines, Lake Superior, which, partly through his geological knowledge, were developed into the richest in the world. After his father's death he was made Curator of the Museum at Cambridge, and retained that position till 1885, when he resigned on account of ill health. He was Director of the Penikese School of Natural History during the summer of 1873, and afterwards established at his own cost a school of zoology at Newport. Mr. Agassiz's special branch is marine zoology, and he assisted Sir Wyville Thompson in arranging the collections of the Challenger and wrote the report on the Echini. He has contributed numerous papers to scientific periodicals and to the proceedings of scientific societies with which he is connected. Some of these, released separately, are mentioned below. 1. List of the Echinoderms, 1863, Svo. 2. North American Acalephæ. Illust. 1865, imp. Svo. 3. Preliminary Report on the Echini and Star-Fishes dredged in Deep Water between Cuba and the Florida Reef by L. P. de Pourtales, 1869, Svo. 4. With Gannett, S. W., (ed.) *Exploration of Lake Titicaca*, 1875-76, 4 vols. Svo. 5. Obituary. [A biographical notice of Count L. F. de Pourtales.] From an American Journal of Science. By A. Ag. Cambridge, Mass., 1880. 6. Review of the Echini, (Challenger Reports.) Illust. Lon., 1872-74, 2 vols. 4to. 7. Three Cruises of the United States Coast and Geodetic Survey Steamer Blake: a Contribution to American Thallassography, from 1877 to 1880. Illust. Bost. and Lon., 1888, 2 vols. r. Svo.

"In spite of the valuable observations with which it teems, we confess to considerable disappointment with the book. Whenever confronted with one of the great general problems to which oceanic researches necessarily lead, Prof. Agassiz displays a lack of lucidity, an inability to marshal facts in their logical sequence, which detract seriously from the scientific value of the work. . . . Where, however, Prof. Agassiz deals with his special subjects—as, for example, in the history of the West Indian Echinoidæ—he is most instructive."—*Ath.*, No. 3168.

Agassiz, Mrs. Elizabeth Cabot, daughter of Thomas Graves Cary, of Boston, Mass., married, 1850, to Professor Louis Agassiz, (*infra*). She accompanied her husband on his journey to Brazil in 1865-66 and in the Hassler expedition of 1871-72, of which she wrote an account for the *Atlantic Monthly*, and was associated with him in many of his studies and writings. 1. *A First Lesson in Natural History*. By Actæa. Illust. Bost., 1859. Republished with the author's name, 1879, 24mo. 2. *Geological Sketches*, edited by E. C. A., 1866, 3. (Ed.) Louis Agassiz: his Life and Correspondence, Bost., 1885, 2 vols. Svo.

"These volumes are an account not so much of a life as of a life-work, the story less of a person than of a mind; and the place of affairs, in which biography is usually immersed, is taken by facts and theories of science. . . . The personal thread, however, vanishing as it reappearing, runs like a golden thread through it all, though there is always a regret that it should be so slight. . . . The story is one of those shining examples of plain living and high thinking which are like wells of pure water in a dry land. . . . The enthusiasm which Agassiz always kindled in others is felt throughout the work as his saving force within; and the spirit which is preserved in these pages must always be a rousing and sustaining influence for the scientific life under its trials."—*Nation*, xli, 365.

"The record of his life and work is distinguished not less by judgment and good taste than by fulness of scientific knowledge; while the simplicity and earnestness with which it is written lend it a peculiar charm and interest. It is neither reticent nor meagrely and scientifically prudent (despite some modest words of doubt in the preface) will find the course of Agassiz's work sufficiently traced in it, while the general reader will be attracted by its lively portrayal of a generous character joined to a noble intellect."—*Spectator*, lviii, 1702.

With AGASSIZ, ALEXANDER, *Sensile Studies in Natural History*. Illust. Bost., 1865, Svo.

Agassiz, Jean Louis Rodolphe, [*ante*, vol. i., add.] 1807-1873. His biography divides with singular evenness into two sections, the one belonging to the annals of European, the other to those of American

scientific research. The most important of his original studies and theories belong to the former period; his labors in America tended to become more and more those of a teacher and organizer. From 1851 to 1854 he was professor of comparative anatomy and zoology in the Charleston (S.C.) Medical College. He then returned to Cambridge, and on the establishment of the Museum of Comparative Zoology in 1859 became its curator, devoting much of his time to increasing and arranging its collection. In 1865 he planned a voyage to Brazil, partly for his health, which, through the liberality of Mr. Nathaniel Thayer, a Boston merchant, was turned into a well-equipped scientific expedition, lasting sixteen months. In 1868 he was appointed a non-resident professor of natural history at Cornell University and delivered a course of lectures there. He made another scientific journey in 1871-72 round Cape Horn in the U.S. Coast Survey steamer *Hassler*. In 1873 he opened the Penikese Summer School of Natural History, on an endowment made by Mr. John Anderson, of New York, and lectured there throughout the summer. About the same time he began a series of articles for the *Atlantic Monthly* on Evolution and Permanence of Type, only one of which was ever finished. He died at Cambridge after a short illness, and was buried at Mt. Auburn, where his grave is marked by a boulder from the glacier of the Aar. A complete list of his numerous contributions to the transactions and proceedings of scientific societies is given in the catalogue of scientific papers published by the Royal Society of London. 1. Contributions to the Natural History of the United States: I., An Essay on Classification; II., Embryology of the Turtle; III., Acalephæ in general; Ctenophores; IV., Di-cophore; Hydroïde; Homologues of the Radiata, 1857-62, 4 vols. Svo. Vol. V., left unfinished, was edited and published by his son. 2. The Structure of Animal Life: Six Lectures, Brooklyn, 1862-65. 3. Methods of Study in Natural History, 1863, 12mo. 4. Geological Studies, Bost., 1866-76, 2 vols. 5. Centennial Anniversary of A. von Humboldt, 1869, Svo. 6. Report of the Deep-Sea Dredging during the Third Cruise of the U.S. Steamer *Bibb*, 1869. Pamph. With AGASSIZ, MRS. E. C., A Journey in Brazil, Bost., 1868, Svo.

Ager, Rev. J. C. An Order of Services for the Use of the New Church, N. York, 1870, 18mo.

Agge, Anne Ashby, and Brooks, Mary Mason. *Marblehead Sketches*, [a series of sketches of buildings and scenes in Marblehead, Mass.], Bost., 1885, 4to.

Agges, Mary. A Memoir of M. L. Pense, Lon., 1859, 4to. Privately printed.

Agnel, H. H. Book of Chess: a Complete Guide, N. York, 1857, 12mo. Reprint of Chess for Winter Evenings, N. York, 1848.

Agnew, Sir Andrew, eighth Baronet, b. 1818; succeeded his father in 1849. 1. A History of the Hereditary Sheriffs of Galloway, 1330 to 1747, Svo. 2. The Agnews of Lachnaw, Edin., 1864, Svo.

Agnew, Anna. From under the Cloud; or, Personal Reminiscences of Insanity, Cin., 1866, 16mo.

Agnew, Cora. Peerless Cathleen; or, The Stolen Casket, N. York, 1877, 12mo.

Agnew, Daniel. History of the Region West of the Allegheny and North of the Ohio River, Phila., 1837, Svo.

Agnew, Rev. David Carnegie A., a minister of the Free Church of Scotland. 1. An Eye upon the Scottish Established Church. By a Free Church Minister. Edin., 1853. 2. The Soul's Business and Prospects: Sermons, Lon., 1862, p. Svo. 3. Protestant Exiles from France in the Reign of Louis XIV.; or, The Huguenot Refugees and their Descendants in Great Britain and Ireland, 1866, 4to. Privately printed. 2d ed. enl., 3 vols., Lon., 1871-74, 4to.

Agnew, David Innes, M.D., b. 1818, in Lancaster, Pa., graduated at the medical department of the University of Pennsylvania in 1838, and after practising for a time in Chester county, became a lecturer in the School of Anatomy in Philadelphia and established the Philadelphia School of Operative Surgery. In 1863 he was appointed demonstrator of anatomy and assistant lecturer on clinical surgery in the medical department of the University of Pennsylvania; in 1870 he was chosen to the chair of clinical surgery, and in 1871 he became professor of the principles and practice of surgery there and of clinical surgery in the

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