

**BIBLIOGRAPHY OF
AMERICAN PALEOBOTANY
FOR 2001**

Paleobotanical Section
Botanical Society of America

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2001

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Compiled under the auspices
of the
Paleobotanical Section
Botanical Society of America

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****(Issued July, 2002)*

****ISBN 0-939201-11-9*

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Cover illustration: The cover illustration was designed by Dr. Patricia Gensel in honor of Dr. Henry Andrews (1910-2002). A memorial and bibliography of the long and distinguished career of Dr. Andrews are featured on pp. 1-6. Reconstructions clockwise from upper left include: *Chaleuria cirrosa*, Emsian, New Brunswick (Andrews, H. N., P. G. Gensel and W. H. Forbes. 1974. An apparently heterosporous plant from the Middle Devonian of New Brunswick. *Palaeontology* 17: 387- 408), *Tempskya* sp. Cretaceous, Idaho (Andrews, H. N. and E.M. Kern. 1947. The Idaho Tempskyas and associated fossil plants. *Ann. Mo. Bot. Gard.* 34: 119-186) and *Archaeopteris macilenta*, Late Devonian, West Virginia (Phillips, T. L., H. N. Andrews, and P. G. Gensel. 1972. Two heterosporous species of *Archaeopteris* from the Upper Devonian of WestVirginia. *Palaeontographica* 139B: 47-71).

Acknowledgements: The author would like to express his thanks to Dr. Patricia Gensel for the information on Dr. Henry Andrews and the cover illustration, and to Ms. Faith Bogstad for her tireless editorial efforts



In Memoriam: Henry N. Andrews, Jr., Paleobotanist, Educator and Explorer, 1910-2002

Dr. Henry N. Andrews, Jr. 91, Professor Emeritus at the University of Connecticut and member, National Academy of Sciences and Phi Beta Kappa, died March 3, 2002 in Concord, New Hampshire. He had lived in Sanbornton, New Hampshire since his retirement in 1975.

Henry was born in Melrose, Massachusetts June 15, 1910 and graduated from Melrose High School. He received his BS in Food Technology at MIT in 1934. After becoming interested in fossils because of a course with paleontologist Herve Shimer, Henry then spent a year taking courses in “things he was interested in” (plants and paleontology) under the guidance of Professor Ray E. Torrey at the University of Massachusetts. This led him to become acquainted with Edgar Anderson, who offered Henry support for graduate study in botany at Washington University. He received his M.S. and Ph.D degrees in 1937 and 1939, respectively, from Washington University, St. Louis, Missouri, under the direction of Dr. Robert Woodson. During that time he also studied at Cambridge University with H. H. Thomas and worked at the British Museum of Natural History. He also studied fossil plants in Belgian coal mines, supported by a Belgian American Educational Foundation fellowship. While at Washington University, Henry met Lib (Elisabeth Ham), whom he married in 1939.

Henry was appointed instructor at the Henry Shaw School of Botany at Washington University in 1940, where he established a dynamic and productive research program. He also joined the Missouri Botanical Garden staff as paleobotanist (1947-1964) and served for about five years as assistant to the director. He became the administrative head (The Dean) of the Botany Department at Washington

University, and also served as a temporary staff member of the U. S. Geological Survey. He was a Fulbright lecturer at Poona University, India. Twice a John Simon Guggenheim Memorial Foundation Fellow, Henry also received a special Guggenheim award for exploratory research that led to his Arctic expeditions. Henry left St. Louis in 1964 to become Head, first of Botany (1964-67) and then of the Systematics and Environmental Section of the Biological Sciences Group at the University of Connecticut (1967-1970). He retired in 1975. He was elected to the National Academy of Sciences that same year.

Henry made major contributions to the study of Upper Carboniferous coal-ball plants in his earlier years, then shifted to investigating Devonian plants. Along with his students, Professor Andrews studied representative taxa of nearly every major plant group present in the Upper Carboniferous, often presenting a first modern description and assessment of their significance. Similarly, he published ground-breaking papers on first Late, then Early Devonian plants from the US and Canadian Arctic. Henry truly enjoyed natural history and exploration. He was a superb writer and educator. He published numerous papers and authored or co-authored four books, including a popular account about plant fossils, *Ancient Plants and the World They Lived In* (1947), a paleobotany text *Studies in Paleobotany* (1961), a profile of paleobotanists entitled *The Fossil Hunters* (1980), and, with P.G. Gensel, *Plant Life in the Devonian* (1984). Henry also prepared a comprehensive account of fossil ferns for the *Traité de Paleobotanique*, ed. E. Boureau (1971). He compiled and published two volumes of the *Index to Generic names of Fossil Plants* as part of his work with the USGS. In both his teaching and his writing, Henry demonstrated the love of exploration, curiosity and wisdom that marks his work and made his presentations about paleobotany and natural history memorable for students, colleagues and laypersons alike.

Henry was a member of the Botanical Society of America (recipient of the Merit Award, 1966, Chairman of the Paleobotanical Section), a Fellow of the Geological Society of America, a Fellow of the American Association for the Advancement of Science, a member of the Torrey Botanical Club (and assistant editor for several years), The New England Botanical Club, Sigma Xi, The Palaeontological Society, and the International Organization for Palaeobotany (served as Secretary and Vice-President). He also was an Honorary member of the Paleobotanical Society of India and a charter member of the Connecticut Academy of Science and Engineering. He was recognized on several occasions for his volunteer service, involving the interpretation or preservation of natural or historical areas/sites by the State of New Hampshire.

Henry and his wife Lib were well known for their wonderful hospitality wherever they lived, be it Missouri, Connecticut, New Hampshire, India, or England. They generously and graciously shared their knowledge, wisdom, and resources, hosting and helping colleagues, foreign visitors, students, friends, and family, thus touching the lives of many in numerous ways.

Henry is survived by two sons, Hollings T. Andrews of Gainesboro, Tennessee (a botanist) and Henry N. Andrews III of Westfield, New Jersey; a daughter Nancy Andrews Adams of Sanbornton, New Hampshire, grandchildren Eric N. Andrews and Heather A. Pippin, a great-grandson, and cousins, nieces and nephews.

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