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#### *About the Institute*

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

Biographical sketch of  
JOSEPH ANDORFER EWAN\*

Professor Joseph Andorfer Ewan was born in Philadelphia, Pa., October 24, 1909. His degree of B.A. was awarded by the University of California (Berkeley) in 1934. From 1933-37 he was research assistant to Willis Linn Jepson in the writing of the latter's Flora of California, and from 1937-44 he was instructor in biology at the University of Colorado. The years 1944-47 he spent in various government services: quinine exploration in South America, followed by curatorial and other botanical work at the Smithsonian Institution and the Bureau of Plant Industry at Beltsville. He was appointed assistant professor of botany at Tulane University in 1947 (associate professor, 1952-57; professor, 1957- ).

Professor Ewan has become one of the most distinguished and most productive scholars in the history of North American botany. His early papers in this field were biographical sketches of botanical explorers of Colorado (B29, 40, 48, 50, 52, 61, 75); these form the basis of his Rocky Mountain Naturalists of 1950 (B86), in which are included paragraph sketches of scores of other naturalists in general. This intensive interest in the whole of descriptive biology, already evidenced in his early papers of 1928-34, here comes to fruition. Ever since then, although of necessity restricted in the main to botanical work, his interests have been very wide, and his courses at Tulane University in the history of biology have had indeed the nature of a liberal education in the history of naturalists from Aristotle onward. This full coverage of interest is especially well shown in his two most substantial works: William Bartram, Botanical and Zoological Drawings, 1756-1788 (B198), and (with Mrs. Ewan) John Banister and his Natural History of Virginia (B209).

These two titles exhibit also his encyclopedic knowledge of botanical, and more generally biological, literature of the past, as well as his intimate acquaintance with the relevant manuscript material in a large number of the important libraries of the western world. Such bibliographic interests have also produced Bibliography of the Botany of Arizona (B17), botanical footnotes in Endeavour journal of Joseph Banks (B155), and Bibliography of Louisiana Botany (B192), not to mention several lesser pieces.

Among invited papers are to be noted: L'Activité des premiers explorateurs Français dans le sud-est des Etats Unis [presented in Paris] (B127); Scientist

\*This sketch is written with the background of Professor Ewan's bibliography in mind. A copy of this bibliography is attached; the designation 'B' followed by a number refers to this list. The entry for Professor Ewan in American Men of Science is appended to this sketch.

on the Frontier [presented in St. Louis] (B154); French naturalists in the Mississippi Valley [presented in St. Louis] (B208), which was commissioned for presentation to all members of the 11th International Botanical Congress, 1969, Seattle. Because of his intimate knowledge of Cook's Endeavour voyage (B155) he was invited as lecturer to the University of Hawaii for the summer of 1967, where he presented a history of Cook's voyages.

His bibliography contains some 75 reviews, several of them far from cursory remarks; especially notable is that of The story of the Royal Horticultural Society by Harold Fletcher (B201). This horticultural facet of his interests has been intensively developed in the history of early American horticulturists: Bernard M'Mahon (B142), and (with Mrs. Ewan) John Lyon (B164); and for John Bartram and Humphry Marshall, the introductions to two volumes (B188,189) of the series Classica botanica americana (Hafner), of which Prof. Ewan has been editor since 1966. He is also a contributor to Scribner's Dictionary of scientific biography currently appearing.

Through all of this he has had a lively interest in his original leaning to taxonomy and floristics. To the first of these he has contributed substantial studies in the genus Delphinium (B16, 25, 36, 39, 60, 83, 89, 92), and to the second numerous articles, especially on ferns.

He has been the recipient of several grants from the American Philosophical Society, and of a Guggenheim Fellowship for study in Europe, 1954-55.

His role in teaching at Tulane has been seminal for the students fortunate enough to enroll in his classes, because of the scope of interest he can present to undergraduates of varied backgrounds and goals. He has also engaged in the study of the local flora on a floristic basis, and of the city flora in relation to its importance to the public. One significant connection between the public and Tulane University has been the interest he stimulated in one benefactor who has contributed very substantial funds for the purchase of rare botanical works for the Howard Tilton Library at the University.

Finally, never too busy to answer a postal inquiry, he has correspondents around the world, and across most of the natural sciences.

JOSEPH ANDORFER EWAN -- BIOGRAPHY

(This sketch is written with the background of Professor Ewan's bibliography in mind. A copy of this bibliography is attached; and the designation 'B' followed by a number refers to this list. The entry for Prof. Ewan in American Men of Science is appended to this sketch.)

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These two titles exhibit also his encyclopedic knowledge of botanical, and more generally biological, literature of the past, as well as his intimate acquaintance with the relevant manuscript material in a large number of the important libraries of the western world. Such bibliographic interests

have also produced Bibliography of the Botany of Arizona (B17), botanical footnotes in Endeavour journal of Joseph Banks (B155), and Bibliography of Louisiana Botany (B192), not to mention several lesser pieces.

Among invited papers are to be noted: L'activité des premiers explorateurs Français dans le sud-est des Etats Unis [presented in Paris] (B127); Scientist on the Frontier [presented in St. Louis] (B154); French naturalists in the Mississippi Valley [presented in St. Louis] (B183); as well as the book Short history of botany in the United States (B208), which was commissioned for presentation to all members of the 11th International Botanical Congress, 1969, Seattle. Because of his intimate knowledge of Cook's Endeavour voyage (B155) he was invited as lecturer to the University of Hawaii for the summer of 1967, where he presented a history of Cook's voyages.

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His role in teaching at Tulane has been seminal for the students fortunate enough to enroll in his classes, because of the scope of interest he can present to undergraduates of varied backgrounds and goals. He has also engaged in the study of the local flora on a floristic basis, and of the city flora in relation to its importance to the public. One ~~very~~ significant connection between the public and Tulane University has been the interest he stimulated in one benefactor who has contributed very substantial funds for the purchase of rare botanical works for the Howard Tilton Library at the University.

Finally, never too busy to answer a postal inquiry, he has correspondents around the world, and across most of the natural sciences.

The following is Professor Ewan's citation in American Men of Science, Tenth Edition.

"EWAN, PROF. JOSEPH (ANDORFER), Tulane University, New Orleans 18, La. BOTANY, Philadelphia, Pa, Oct. 24, 09; m. 35; c. 3. A.B, California, 34, 34-37. Asst. phanerogamic bot, California, 33-37; instr. biol, Colorado, 37-44; botanist, For. Econ. Admin, Colombia, 44-45; asst. curator div. plants, Smithsonian Inst, 45-46; assoc. botanist, bur. plant indust, U.S. Dept. Agr. Md, 46-48; asst. prof. BOT, TULANE, 47-52, assoc. prof, 52-57, PROF, 57-Grantee, Am. Philos. Soc, 49-52, 54; Guggenheim fel. 54; Nat. Sci. Found, 59. Official delegate, Colloques int. du Centre Nat. de la Recherche Sci, Paris, 56. Mem. Wash. Acad. Sci. bot. explor, S.Am. Fern Soc. (v. pres, 41-47; pres, 48-50); Soc. Plant Taxon; Cooper Ornith. Soc; Torrey Bot. Club. London Soc. for Bibliog. Nat. Hist. Taxonomy of Delphinium, Vis-mia and American Gentianaceae; comparison of vegetation of North America cordilleras with that of Andes; phytogeography and flora of Louisiana."

- EVANS, DR. RAYMOND NORRIS. Chemistry. See 11th ed, Phys. & Biol. Vols. New position: Teacher chem, Jackson County Jr. Col, Gautier, 66- Address: 35 Ridge Rd, Ocean Springs, Miss. 37564.
- EVANS, DR. RICHARD (TODD). Microbiology, Immunology. See 11th ed, Phys. & Biol. Vols. New position: Asst. prof. oral bio, sch. dent, State Univ. N.Y. Buffalo. Address: 344 Chapin Hall, School of Dentistry, State University of New York, Buffalo, N.Y. 14214.
- EVANS, DR. ROBERT JOHN. Organic Chemistry. See 11th ed, Phys. & Biol. Vols. New position & address: Asst. prof., 66-, Dept. of Chemistry, Illinois College, Jacksonville, Ill. 62302.
- EVANS, DR. RUSSELL (STUART). Wood Chemistry. See 11th ed, Phys. & Biol. Vols. New position & address: Dir. basic res., 65-, Research & Development Division, Columbia Cellulose Co, Ltd, 1039 W. Georgia St, Vancouver, B.C. Can.
- EVANS, DR. SÍLAS M(eAFEE). Experimental Medicine. See 11th ed, Phys. & Biol. Vols. Change in address: 811 E. Wisconsin Ave, Milwaukee, Wis. 53202.
- EVANS, STANFORD KENT, b. Salt Lake City, Utah, June 30, 39; m. 62. CERAMIC ENGINEERING, SOLID STATE PHYSICS. B.A., Utah, 51, fel., 54-65, Ph.D.(ceramic eng.), 66. CERAMIST, PLATONUM FUELS DEVELOP. NEOLONICS LAB, GEN. EL.E.C.C. Co, 65- Ord.C., 61-62, Res. 62, 1st Lt. Ceramic Soc. Powder characterization, phase equilibria, metallography and nuclear fuel process development of uranium and plutonium oxides; electronic properties of mixed-valency oxide semiconductors; muon decay in metals. Address: 1733 Baywood Court, Pleasanton, Calif. 94566.
- EVANS, DR. THEODORE SCHLOSSER. Medicine. See 11th ed, Phys. & Biol. Vols. New position: Emer. clin. prof. med. sch. med. Yale. Address: 309 Edwards St, New Haven, Conn. 06511.
- EVANS, DR. THOMAS FREDERICK. Chemical Engineering. See 11th ed, Phys. & Biol. Vols. New position: Asst. prof. chem. eng. Pa. State, 65- Address: 1948 N. Oak Lane, State College, Pa. 16801.
- EVANS, DR. TOMMY NICHOLAS. Medicine. See 11th ed, Phys. & Biol. Vols. Change in address: 18930 Fairway Dr, Detroit, Mich. 48221.
- EVANS, WAYNE RUSSELL. Physics. See 11th ed, Phys. & Biol. Vols. New position: Asst. mgr. commercial & prinl. prod. develop. & eng. 66-, Eastman Kodak Co, 400 Plymouth Ave. N, Rochester, N.Y. 14650.
- EVANS, WILLIAM L(EE). Computer Science. See 11th ed, Phys. & Biol. Vols. New position: Assoc. chief computational center, 66-, Battelle Memorial Institute, 505 King Ave, Columbus, Ohio. 43201.
- EVANSON, PROF. ROBERT WERNE. Pharmacy. See 11th ed, Phys. & Biol. Vols. Additional information: Also head dept. pharm. admin, Purdue, 66- Address: 400 Lindberg Ave, West Lafayette, Ind. 47905.
- EVENSON, DR. KENNETH MELVIN. Atomic & Molecular Physics. See 11th ed, Phys. & Biol. Vols. Change of address: Salina Star Route, Boulder, Colo. 80302.
- EVERETT, PROF. HERBERT LYMAN. Plant Breeding, Genetics. See 11th ed, Phys. & Biol. Vols. Additional information: Also dir. resident instr., 66-, College of Agriculture, Cornell University, Ithaca, N.Y. 14850.
- EVERETT, DR. HOUSTON (SPENCER). Gynecology. See 11th ed, Phys. & Biol. Vols. New position: Emer. assoc. prof. gynec. sch. med. Hopkins, 66- Address: 3923 Canterbury Rd, Baltimore, Md. 21218.
- EVERETT, DR. HUGH III. Mathematical Physics. See 11th ed, Phys. & Biol. Vols. New position: Pres. Lambda Corp, 65- Address: 8114 Touchstone Terr, McLean, Va. 22101.
- EVERETT, DR. MARK ALLEN, b. Oklahoma City, Okla., May 30, 29. MEDICINE DERMATOLOGY. B.A., Oklahoma, 47, M.D. 51; Tulane, 52. Intern pediat., Michigan, 51-52, resident DERMAT., 54-56, instr. 56-57; OKLAHOMA, 57-59, asst. prof., 59-63, ASSOC. PROF., 63, CHIEF, DEPT., 64-66, res. lab., 59, dir. resident training & res. 63-64. Area consult. Vet. Admin. Hosp. St. Louis, Mo; consult. Vet. Admin. Hosp. Okla. City, Okla. & Sheppard Air Force Base, Tex. Dipl. Am. Bd. Dermat. 58. U.S.A.F. 52-54, Capt. Am. Med. Assn. Acad. Dermat. Dermat. Assn. Soc. Invest. Dermat. Venereal Disease Assn./Radiation Res. Soc. N.Y. Acad. Sci. Int. Soc. Trop. Dermat. World Med. Assn. Cutaneous photobiology; ultraviolet erythema; clinical dermatology. Address: Dept. of Dermatology, University of Oklahoma Medical School, Oklahoma City, Okla. 73104.
- EVERETT, ROBERT W. JR. Geology. See 11th ed, Phys. & Biol. Vols. Change in address: 6511 General Diaz, New Orleans, La. 70124.
- EVERETT, PROF. WILBUR (WAYNE). Biophysical Chemistry. See 11th ed, Phys. & Biol. Vols. New position: Also chem. dept. chem, Ouachita Baptist University, Arkadelphia, Ark. 71923.
- EVERHART, DR. DONALD LEE. Immunochromy. See 11th ed, Phys. & Biol. Vols. New position: Asst. prof. microbiol. Med. Col. Va., 66- Address: 406 Keats Rd, Richmond, Va. 23222.
- EVERHART, JOHN LAURENCE. Engineering. See 11th ed, Phys. & Biol. Vols. New position: Ed, Nickel Topics, 65- Address: 110 Galloway Hill Rd, Westfield, N.J. 07099.
- EVERHART, DR. (JOHN OTIS). Ceramic Engineering. See 11th ed, Phys. & Biol. Vols. Change in address: Dept. of Ceramic Engineering, The Ohio State University, Columbus, Ohio 43210.
- EVERHART, PROF. THOMAS EUGENE. Electrical Engineering. See 11th ed, Phys. & Biol. Vols. New information: Nat. Sci. Found. sr. fel, Töbingen, 35-37. Address: Dept. of Electrical Engineering, University of California, Berkeley, Calif. 94720.
- EVERITT, DEAN WILLIAM LITTELL. Electrical Engineering. See 11th ed, Phys. & Biol. Vols. New information: Hon. D.Eng. Univ. of Andes, Colombia, 66; Hon. D.Eng. Mich. Tech. 67. Mem. Nat. Acad. Eng. 64; telecomm. sci. panel, Commerce Tech. Adv. Bd, 66- Address: College of Engineering, University of Illinois, Urbana, Ill. 61801.
- EVERNEDEN, DR. JACK F(ORRIS). Seismology, Geophysics. See 11th ed, Phys. & Biol. Vols. New position: Res. assoc. Yale Seismol. Center, 65- Address: 6621 Wakefield Dr, Apt. 811, Alexandria, Va. 22307.
- EVERSOLE, PROF. WILBUR JOHN. Physiology. See 11th ed, Phys. & Biol. Vols. New position: Nov. prof. physiol., Dept. of Life Sciences, Indiana State University, Terre Haute, Ind. 47890.
- EVERSOLE, PROF. WILLIAM GEORGE. Physical Chemistry. See 11th ed, Phys. & Biol. Vols. Change in address: Box 1315, Arkansas Polytechnic College, Russellville, Ark. 72801.
- EVERT, DR. RAY FRANKLIN. Botany. See 11th ed, Phys. & Biol. Vols. New information: Guggenheim Found. fel, 65-66. Prof. 66-, Dept. of Botany, University of Wisconsin, Madison, Wis. 53706.
- EVESLAGE, DR. SYLVESTER L(EE). Organic Chemistry. See 11th ed, Phys. & Biol. Vols. New position: Prof. 66-, Dept. of Chemistry, University of Dayton, Dayton, Ohio 45409.
- EVGY, DR. WILLIAM H(ARRINGTON). Neurophysiology. See 11th ed, Phys. & Biol. Vols. New position & address: Asst. prof. 66-, Dept. of Biology, University of Miami, Coral Gables, Fla. 33124.
- EVTUHOV, DR. VIKTOR. Electrical Engineering, Physics. See 11th ed, Phys. & Biol. Vols. Change in address: Hughes Research Lab, 3011 Malibu Canyon Rd, Malibu, Calif. 90263.
- EVVARD, DR. JOHN C(ROPPER). Aerodynamics. See 11th ed, Phys. & Biol. Vols. New position: Assoc. dir. res. 66-, Lewis Research Center, NASA, 4000 Brookpark Rd, Cleveland, Ohio 44133.
- EWALD, PROF. PAUL (PIETER). Physics, Crystallography. See 11th ed, Phys. & Biol. Vols. New information: Hon. dir. Adolph. Address: 19 Fordyce Rd, New Milford, Conn. 06776.
- EWALD, WILLIAM P. Optics. See 11th ed, Phys. & Biol. Vols. New position: Now sr. supv. develop. engr. Apparatus & Optical Division, Eastman Kodak Co, 400 Plymouth Ave. N, Rochester, N.Y. 14650.
- EVAN, PROF. JOSEPH (ANDORFER). Botany. See 11th ed, Phys. & Biol. Vols. New information: Ed. *Classica Botanica Americana*, 66- Address: Dept. of Biology, Tulane University, New Orleans, La. 70118.
- EWART, G. YUAN. Agriculture, Hydrology. See 11th ed, Phys. & Biol. Vols. Company name change: Amfac, Inc, P.O. Box 3230, Oahu, Hawaii. 96801.
- EWART, DR. ROWELL (HARR). Physical Chemistry. See 11th ed, Phys. & Biol. Vols. New position: Mgr. indust. res. & salary admin, 65-, Research Center, U.S. Rubber Co, Wayne, N.J. 07470.
- EWELL, DR. CLEVE WINFIELD, see 11th ed, Phys. & Biol. Vols. deceased 66.
- EWELL, DR. ROBERT BARTLETT. Chemical Engineering. See 11th ed, Phys. & Biol. Vols. New position: Staff engr, Houston Refinery, Shell Oil Co, 68- Address: 1431 Davon Lane, Houston, Tex. 77058.
- EWING, DR. BEN B. Sanitary Engineering. See 11th ed, Phys. & Biol. Vols. Additional information: Also dir. water resources center, Illinois, 66- Address: Dept. of Civil Engineering, University of Illinois, Urbana, Ill. 61801.
- EWING, DR. GIFFORD (COCHRAN). Oceanography. See 11th ed, Phys. & Biol. Vols. New information: Chmn. antisubmarine warfare infrared cmd, U.S. Navy, 61-63. Address: Woods Hole Oceanographic Institution, Woods Hole, Mass. 02543.
- EWING, KYJ (PEPPER). Entomology. See 11th ed, Phys. & Biol. Vols. Additional information: Retired, Hercules Inc, 65. Address: 6907 Wells Pkwy, University Park, Md. 20782.
- EWING, PROF. (WILLIAM) MAURICE. Geophysics. See 11th ed, Phys. & Biol. Vols. New information: Higgins prof. geol. Columbia, 59- Address: Lamont Geological Observatory, Palisades, N.Y. 10964.
- EWING, RICHARD (EVERETT). Physical Chemistry. See 11th ed, Phys. & Biol. Vols. New position: Proj. leader, H.P. Labs, Hewlett Packard Co, Palo Alto, 65- Address: 122 Lockhart Lane, Los Altos, Calif. 94022.
- EWING, DR. SCOTT PRESTON, Sr. Electrochemistry. See 11th ed, Phys. & Biol. Vols. New position: Part time consult, Esso Prod. Res. Co, Houston & adv. on corrosion, Oil & Gas Consult-Int, Tulsa. Address: 5508 E. 35th St, Tulsa, Okla. 74133.
- EKLIN, PAUL (GETTIS), see 11th ed, Phys. & Biol. Vols. deceased 66.
- EXTON, DR. JOHN (HOWARD). Biochemistry. See 11th ed, Phys. & Biol. Vols. New position: Now asst. prof. physiol., School of Medicine, Vanderbilt University, Nashville, Tenn. 37203.



taken, will enable their being reunited with their original label upon completion of re-pressing.

After the elapsed soaking periods prescribed above, the plant specimens are removed from the solution, excess water allowed to drain, and placed in dry collection sheets, blotters, etc., and dried in the usual manner.

The major advantages of this method are that it results in a quality of specimen far superior to that obtained from soaking in tap water before re-pressing. Also it saves time requiring three or four hours less for each group of specimens. The method has been used in the Herbarium of the United States National Arboretum for approximately one year. To date all the specimens so treated have exhibited no ill-effects.—GABRIEL EDWIN, U. S. National Arboretum, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Maryland.

A WHITE FORM OF *TRILISA PANICULATA*.—The three species of *Trilisa* of the southeastern United States all normally bear reddish-purple flowers. No white form of any of them is listed in the Gray Herbarium card catalog of new names, and there is no material of any in the U. S. National Herbarium or the herbarium of the National Arboretum. The finding of an albino form of *Trilisa paniculata* accordingly seems worthy to be placed on record, and the form may be provided with a Latin name as a means of documenting it in the literature.

*TRILISA PANICULATA* (Walt.) Cass. f. *alba*, forma nov. *Phyllaria viridia*; corollae et styli et pappus alba. SOUTH CAROLINA: Small colony of about 3 plants (one several-stemmed), among pines near main road, about 5 miles south of Little River, Horry County, 11 Oct. 1947, S. F. Blake 12366 (type no. 243471, Herb. National Arboretum).—S. F. BLAKE, Division of Plant Exploration and Introduction, Plant Industry Station, Beltsville, Maryland.

ROCKY MOUNTAIN NATURALISTS<sup>1</sup>.—In this book portraits and biographies of nine leading naturalists, primarily of Colorado, are supplemented by a roster in biographical dictionary form, of natural history collectors of the Rocky Mountain area between 1682 and 1932. Separate chapters are de-

<sup>1</sup> Joseph Ewan. *Rocky Mountain Naturalists*. XV + 358 pp. (with nine portraits). Denver, Colorado. The University of Denver Press. \$5.00.

voted to Edwin James, John C. Porter, H. N. Patterson, Cockerell. To one interested chapters makes fascinating r include as well a narrative Stories of events and numero cal data to produce both pl course, is laid on a historical of view of obtaining facts a portion of the book begins w bibliography, and extends th history collectors, to page 3 and interesting items concee source material has been uti of the book and he has m otherwise easily available. the nature and extent of th

The fact that the book w botanists has somewhat limi nine men singled out for naturalists of the Rocky M rado probably did not rece as those whose major activ immediately think of P. A. Greene or, in fact, any of th it is certainly an author's p and it is doubtful whether the same men from the lon tion. On the whole, Profes to our organized informati region, and has done so wit dation for the painstaking presented his material.—R

Volume 53, no. 627, incl March, 1951.

Rhodes

53

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—GABRIEL EDWIN.  
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398 pp. (with nine por-  
sa. \$5.00.

voted to Edwin James, John C. Fremont, C. C. Parry, E. L. Greene, Thomas C. Porter, H. N. Patterson, Marcus E. Jones, Eugene Penard and T. D. A. Cockerell. To one interested in the natural history of Colorado, each of these chapters makes fascinating reading, for they not only treat of the men, but include as well a narrative of the exploration in which they participated. Stories of events and numerous facts are skillfully interwoven with biographical data to produce both pleasant and informative reading. The whole, of course, is laid on a historical as well as regional background. From the point of view of obtaining facts concerning naturalists of the region, the richest portion of the book begins with chapter XI, page 138, explanatory notes and bibliography, and extends through the section containing the roster of natural history collectors, to page 344. Thus over 200 pages are packed with facts and interesting items concerning the collectors mentioned. Much untapped source material has been utilized by Professor Ewan in assembling this portion of the book and he has made it a veritable storehouse of information not otherwise easily available. Where possible, he has indicated for each collector the nature and extent of the collections made and their ultimate disposition.

The fact that the book was developed from a series of essays on Colorado botanists has somewhat limited the final product. For example, seven of the nine men singled out for special treatment are botanists. Furthermore, naturalists of the Rocky Mountain area who did not work primarily in Colorado probably did not receive the same consideration for special treatment as those whose major activities were centered there. Of the botanists, we immediately think of P. A. Rydberg and Aven Nelson who were, in our judgement, as deserving of special treatment as Marcus E. Jones, Edward Lee Greene or, in fact, any of the botanists given such attention in the book. But it is certainly an author's prerogative to select the material he wishes to treat and it is doubtful whether any two potential authors would choose exactly the same men from the long list of possibilities for special biographical attention. On the whole, Professor Ewan has made a very substantial contribution to our organized information about the naturalists of the Rocky Mountain region, and has done so with skill and acumen. He deserves special commendation for the painstaking and thorough way in which he has gathered and presented his material.—R. C. ROLLINS.

*Volume 53, no. 827, including pages 67-95 and plate 1165, was issued 13 March, 1951.*

TAXONOMIC LITERATURE

THE BARTRAM DRAWINGS \*

*Frans A. Stafleu*

The Bartrams hold several firsts in American botany: John, the father, founded the first botanical garden in North America, in 1731; William, the son (1739-1823), was the first native-born American artist-naturalist; both were first to describe, collect, depict, grow or send to Europe many now famous North American plants. John is best known as the enthusiastic collector and gardener who sent so many living plants to Peter Collinson and other British patrons (he was ultimately appointed 'Botanist to the King'). His correspondence with Collinson as reproduced in William Darlington's *Memorials* was recently made available again through a reprint edited by Joe Ewan (See *Taxon* 17: 76-78). William Bartram, and a splendid set of his botanical and zoological drawings are now the subject of another publication by Ewan, a publication which is as spectacular as it is beautiful.

William Bartram's *Travels through North & South Carolina, Georgia, East & West Florida*, ... (1791), though rare in its original edition, is now widely available because of several republications, of which the one edited by Francis Harper (1958) contains the greatest amount of secondary information. Harper also published and annotated William's 'Report to Dr. John Fothergill' from the Banks collection of manuscripts at the British Museum. One major portion of Bartram's work, however, remained unpublished: his drawings, mainly made for Fothergill and now at the Botany Department of the British Museum (Natural History). Some of these drawings were published by Harper, but the collection as a whole remained unpublished until 1968.

John Fothergill (1712-1780) was a London physician and amateur botanist who had a large garden at Upton, Essex, near London. This garden, like that of Peter Collinson, amply deserved the epithet 'botanical'. Fothergill became William Bartram's patron; he commissioned him to make drawings and to collect herbarium specimens and living plants. William's great tour of 1773-1775 was made with financial support of Fothergill. The Bartram drawings, manuscripts and herbarium specimens were purchased by Sir Joseph Banks after Fothergill's death in 1780 and are now at the British Museum. This album of drawings is the subject of Ewan's publication.

\* WILLIAM BARTRAM - Botanical and Zoological Drawings, 1756-1788. Reproduced from the Fothergill Album in the British Museum (Natural History). Edited with an introduction and commentary by JOSEPH EWAN. The American Philosophical Society, Independence Square, Philadelphia. MCMLXVIII - xii, 180 pp., 60 plates, (20 in colour). Overall size 11¼ x 5½. Cloth. Price \$ 35.00 (plus handling charge of \$ 1.00 for U.S. orders, \$ 1.50 for foreign orders). - *Memoirs of the American Philosophical Society*, volume 74. - Address of Society: 104 South Fifth Street, Philadelphia, Pennsylvania 19106, U.S.A.

The *Travels*, published in 1791, were illustrated with drawings by William Bartram himself. If judged on the basis of these drawings, William would hardly merit mention in the annals of botanical illustration. Wilfrid Blunt, in his *The art of botanical illustration*, mentions Bartram only incidentally. The present publication of the Fothergill album of Bartram drawings, however, makes it clear that even though Bartram does not rank with Ehret, the Bauers or Redouté, he may be regarded as an artist of high distinction with several surprisingly beautiful botanical and zoological illustrations to his credit. Bartram's famous drawing of *Franklinia alatamaha* (1788), featured on the frontispiece, and the picture of the Green Heron (pl. 44) represent indeed, as Ewan points out, the apogee of his artistry. A comparison between the 'Anona (*Asimina obovata*) in the *Travels* with that in the Fothergill album (pl. 45, fig. 1) explains the discrepancy in the evaluation of William Bartram's artistic accomplishment. The picture in the *Travels* is flat and crude, even when the loss of detail through engraving and reproduction is taken into account; that in the Fothergill album is sensitive and very much alive. The Bartram *Asiminas* are an interesting example of the extent of his botanical discoveries: he encountered five then undescribed species on his journeys. Two are illustrated in the *Travels*: *A. secundiflora* (erroneously named 'Anona pygmaea' on the plate) and 'Anona grandiflora', now correctly named (sive Ewan) *Asimina obovata*.

The drawing of *Franklinia*, perhaps the finest of the whole collection, was originally made for the English amateur botanist Robert Barclay, but it is now also preserved in the Fothergill album. The plant is also illustrated very nicely on plate 23 of the album itself. Ewan, in his extensive commentary, uses the opportunity to correct some misconceptions persistent in the literature. *Franklinia* was discovered by the Bartrams together on 1 October 1765; the last mention of it in the literature is by John Lyon, who saw '6 to 8 full grown trees' on 1 June 1803. "Almost everything about *Franklinia* is fabulous...". It is fortunate that the Bartram garden kept the germ plasm of this beautiful relict genus alive, thus preserving for posterity an example of a botanical Sino-American alliance. Ewan's text does ample justice to William Bartram, as well as to his drawings. The great scholarship of the doyen of historians of American botany accounts for an unusually well-documented and detailed account of Bartram's life and for an exhaustive commentary on the plates and accompanying manuscripts. The introduction contains biographical chapters, evaluating Bartram as a naturalist, artist and explorer. The detailed biographical data are brought together in a chronology entitled *The world of William Bartram* which, notwithstanding its dryly enumerative style, presents a fascinating account of early American botany and of the relations between the botanists in the motherland and those overseas in colonial times.

In his discussion of the plates themselves Ewan provides taxonomic and historical information, often quoting from unpublished sources and giving details on nomenclature, literature, typification and herbarium specimens. This part of the book is of direct relevance for taxonomy. Ewan accepts, with Merrill, the validity of William Bartram's binomials as published in the *Travels*, a position amply justified by the quotations from published as well as unpublished material. The Appendix contains extracts from the manuscripts which accompanied the illustrations and specimens sent to Fothergill and Barclay. These comments often contain interesting side remarks on dates of first collection or introduction of now widely known plants. *Illicium floridanum*, for instance, was collected first by Bartram in northern Florida in the winter of 1766, nine years earlier than the date quoted by the author of the name, John Ellis. Bartram referred to the plant as 'Anisum stellatum'; plate 3 of the present book is the earliest known drawing of the plant, the flowers of which inspired the editor of this journal in his choice of this year's cover.

All plates of the the reproductions reached by repro chronological ord Fothergill volume

One further item 250 items. This bi manuscript, the l together with this artistry, in an in This is undoubtedly cal illustration, l William Bartram.

## WILD FLOWER

*Frans A. Stafleu*

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Greek botany r Many British bot

\* *Wild Flowers* of edited by W. T. S. Kifissia, Athens, Gr (prepublication) US

All plates of the Fothergill album are reproduced in Ewan's book. The quality of the reproductions (by Meriden Gravure) is very high; a special effect has been reached by reproducing the full sheets in a grey cadre. The plates are reproduced in chronological order; a cross index to the numbers of the original drawings in the Fothergill volume is provided.

One further item merits special mention: the very extensive bibliography of nearly 250 items. This bibliography, the chronology, the analyses of the plates, the annotated manuscript, the biographical and iconographical chapters by Ewan, are presented together with this fine series of sixty botanical and zoological drawings of no mean artistry, in an imposing volume of refined typography and delicate reproduction. This is undoubtedly the finest tribute so far paid to that pioneer of American botanical illustration, botanist, explorer and connoisseur of the American landscape, William Bartram.

*(Specimen list in)*  
*W. Bartram*

#### WILD FLOWERS OF GREECE \*

Frans A. Stafleu

Theophrastus (c. 370–285 b.C.) and his *De Historia plantarum* stand at the beginning of scientific botany. Botany was born with ancient Greek culture; previously plants had been studied only for their medicinal, economic or supposedly magical features. The study of plants for the sake of knowledge as such originated, with the other natural sciences, in the spiritual climate of Aristotle and Theophrastus. Four centuries later Greece yielded another botanist, of lesser scientific standing than Theophrastus, but for centuries of greater fame, Dioscorides, whose *De Materia medica* dominated Western botany for nearly sixteen centuries. Greek botany eclipsed during the Byzantine Empire. The Juliana Anicia Codex of Dioscorides (*Codex vindobonensis*) of the sixth century stands out as a monument of botanical illustration, and there were numerous recipe books, glossaries and other compilations; however, original scientific botanical research remained at low ebb in Theophrastus' country for many centuries.

Renewed study of the Greek flora arose from a 'special relationship' between Great Britain and Greece. Only a few years ago, in this journal (16: 163–178), Stearn recounted the story of John Sibthorp, John Edward Smith, John Lindley, Ferdinand Bauer, and the magnificent *Flora Graeca*. Anyone who opens the volume by Goulandris, Goulimis and Stearn will immediately associate its beauty with that of the earlier classic. This new volume of colour illustrations of Greek wild flowers (others may follow) can stand a comparison, not in size but in quality and general execution, with that greatest of all illustrated floras, the *Flora Graeca*.

Greek botany remained a non-Greek affair long after Sibthorp and Smith's time. Many British botanists and horticulturists were attracted by the riches of the Greek

\* *Wild Flowers of Greece*, painted by NIKI A. GOULANDRIS, text by CONSTANTINE N. GOULIMIS, edited by W. T. STEARN. Publication of the Goulandris Botanical Museum [5, Levidou St., Kifissia, Athens, Greece. 1968. 214 pp., 119 coloured plates, linen bound, 38 x 28 cm. Price (prepublication) US \$ 40.-.

- Quotation from two reviews of  
Professor Ewart's books.

In reviewing Rocky Mountain Helianthus  
in Rhodora 53 (1951) page 111, Dr. Leed  
Rollins of Harvard University wrote:

To one interested in the  
making, ... the earliest portion of  
the book begins with Chapter XI.  
[in which in] ... over 200 pages  
are packed ... facts and illustrations  
... available.

In reviewing William Barton,

Botanical & Zoological drawings

in Taxon 18 (1969) p. 444-445; -

Dr. Franz Stafelm of the University

f Utrecht wrote:

Swain's text --- The details ---