

CURRICULUM VITAE: JULIAN CAMPBELL (July 2013)

Current Work Address: Bluegrass Woodland Restoration Center
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PERSONAL DATA

Full Name: Julian James Noel Campbell
Born: 17th January 1953, London, England

EDUCATION

1976-80: Graduate School, University of Kentucky, Lexington, Kentucky
Ph.D. (Biology); major advisor, W. Meijer
Dissertation--"Present and presettlement forest conditions in the Inner Bluegrass of Kentucky" (209 pp.)

1974-75: University College of North Wales, Bangor, Wales
M.Sc. (Ecology); major advisor, P. Greig-Smith
Thesis--"Ground vegetation, tree regeneration, grazing, light and soil in Coed Gorswen, a North Wales oak-ash-alder wood" (62 pp.)

1971-74: Magdalene College, University of Cambridge, England
B.A. (Hons.) Class 2.2, Natural Sciences; tutor, P.J. Grubb
Part IA--Chemistry/Biology of Cells/Biology of Organisms
Part IB--Biochemistry/Botany/Environmental Biology
Part II--Botany (with emphasis on ecology)

1966-70: Queen's Scholar, Westminster School, London, England
A-levels (Oxbridge): Pure Maths (A); Applied Maths (B); Physics (A/S1);
Chemistry (A/S2); Biology (A/S2)

RECENT EMPLOYMENT

2003-present: self-employed in development of the “Bluegrass Woodland Restoration Center”

1989-2006: The Nature Conservancy, Lexington, Kentucky. Conservation Scientist. Full time employment as botanist & inventory coordinator; initially as coordinator of continued cooperative inventory of rare species on Daniel Boone National Forest (1989-1994); other major projects include the following:

1989-present: Natural Areas Inventory of Kentucky (continuing).

1994-96: Ecological Classification on Daniel Boone National Forest.

1996-99: Biological Evaluation of East Kentucky Power & Cooperative powerlines on Daniel Boone National Forest.

1997-99: Fire Management Plan for Mammoth Cave National Park.

1999-2001: Fire Management Plan for Big South Fork NRR.

1987-88: The Nature Conservancy, Lexington, Kentucky. Contracts for botanical work in cooperative inventory of rare species in Daniel Boone National Forest; in partnership with US Forest Service, Ky. State Nature Preserves Commission, and Ky. Dept. of Fish & Wildlife Resources.

1981-2006: East Kentucky Power Cooperative Inc., Winchester, Kentucky. Contracts to survey for rare plant species, and general floristic research.

RECENT CONSULTING EXPERIENCE

As a paid private consultant, I have worked on numerous environmental projects, as exemplified below.

Jessamine County, Camp Nelson area, Heritage Land Conservation Fund projects, Jessamine Co., Kentucky: Biological Survey (2007-2008). I conducted a detailed botanical survey of several tracts recently acquired using grants from the state (HLCF). He provided a reports on flora and vegetation, with notes on rare species and invasive alien species, and with appended GIS materials. I subcontracted a zoological study to provide a list of vertebrate species.

East Kentucky Power Cooperative, J.K. Smith Powerplant Proposal, Clark Co., Kentucky: Endangered Species Consultation (2007). I provided a report on flora and vegetation in the ca. 3000 acre J.K. Smith powerplant site. Special attention was given to potential habitat for the federally endangered running buffalo clover (*Trifolium stoloniferum*) and other endangered or threatened species. Unusual habitats were mapped using GIS, including remnants of native grassland and rocky glades. Within the rocky glades, a state-listed grass (*Bouteloua curtipendula*) was rediscovered after 30 years, and unusual collections of *Gaura biennis* with relatively small flower parts were made, to be studied further in the herbarium.

Western Kentucky University, Green River Bioreserve, Heritage Land Conservation Fund project, Hart Co., Kentucky: Botanical Surveys (2007-2008). I provided reports on flora and vegetation at lands recently acquired using grants from the state (HLCF). Field work included inspection of the Green River banks from canoes, as well as terrestrial exploration. Field work was coordinated with student projects and provided general education value.

Fuller, Mossbarger, Scott and May Engineers, Inc., Kinniconick Creek and Indian Creek Stream Restoration, Lewis Co., Kentucky: Endangered Species Consultation and Wetland Survey (2007). I conducted a survey for rare species along streambanks proposed for redesign. Special attention was given to the federally threatened Virginia spiraea (*Spiraea virginiana*), but none was found. A list of flora was provided for streambanks and some adjacent wooded terraces and slopes.

Fuller, Mossbarger, Scott and May Engineers, Inc., Vintage Club at the Reserve, Cincinnati, Ohio: Endangered Species Consultation and Wetland Survey (2007). Dr. Campbell conducted a survey for rare species at sites proposed for redesign of streambanks and some associated revegetation. Special attention was given to the federally endangered running buffalo clover (*Trifolium stoloniferum*), but none was found. A detailed inventory of the flora was provided at some wetland sites.

City of Alexandria, Virginia: Review of Grass Collections for Local Flora Project (2007). Dr. Campbell annotated specimens of wild ryes (*Elymus* spp.) at the George Mason University herbarium, providing data to the local government's forest managers.

Sisler-Maggard Engineering, Inc., waterlines in Nicholas Co., Kentucky: Endangered Species Consultation (2003-2007). Dr. Campbell conducted surveys along over 30 miles of proposed water line, where several rare plants are known, including the federally endangered Short's goldenrod (*Solidago shortii*). No rare plants were discovered, but recommendations were made for minimizing damage to wooded sections. Detailed botanical notes were provided for more natural sites.

East Kentucky Power, various new powerline proposals: Endangered Species Consultation (2000-2006). Dr. Campbell conducted botanical surveys along several sections of proposed powerlines in central and eastern Kentucky, to search for rare species listed by state or federal agencies. In order to consolidate efforts and increase overall efficiency in such surveys, he developed checklists for the flora of Kentucky and simple GIS materials for keeping track of multiple project data. This effort led, with support from EKPC, to the drafting of the Atlas of Vascular Plants for Kentucky.

U.S. Forest Service, Land-Between-the-Lakes, various projects in open lands, trail use and road widening, Kentucky & Tennessee: Botanical Survey (2003-2005). Dr. Campbell and subcontracted botanists conducted a rapid assessment of virtually all old fields and wildlife openings at LBL, in order to allow the USFS better planning for their management. Special attention was given to rare species, and several locations were found. He outlined the significance of some sites as apparent remnants of open grassy woodland that was probably maintained by fire before Virginian settlement. They also conducted botanical surveys, and noted eroded areas, along ca. 15 miles of trail system that has been proposed for more active recreational use with bicycles. And they conducted botanical surveys in areas where US 68 has been proposed for widening.

Work on National Forests and National Parks

As an employee with The Nature Conservancy, and as a paid private consultant, Dr. Campbell has worked on numerous projects for the following National Forests and National Parks. These are listed from east to west.

Great Smoky Mountains National Park (NPS). In 1984-85, he was contracted to conduct a survey of the experimental exclosures for European wild boar, mostly within higher elevation beech forests. Adjacent controls were also surveyed. Data were entered into the NPS system for their analysis, and a provisional report was supplied indicating general contrasts between areas with and without wild boar.

Big South Fork National River and Recreation Area (NPS). From 1995 to 2003, as a Conservancy employee, he conducted various surveys for rare plant species and invasive aliens. These include special searches for the globally imperiled white fringeless orchid. For much of this work, he was responsible, with subcontractors, for reports on potential impacts of proposed oil-and-gas development in the park. In 1998-2000, he was charged with producing a report for ecological justification of fire management in the park, along the lines of the similar project for Mammoth Cave (see below). He conducted field work in remote sections of the park to document fire-enhanced features in the flora and vegetation. He produced a report with details of palaeoecological, archaeological, historical, botanical and zoological (contributed by M. Hines) information that is relevant to designing a fire management program at the park.

Daniel Boone National Forest (USFS). From 1987 to 1994, as a Conservancy employee, he conducted surveys for rare plants across all seven districts, with a report produced on a district after each year. For most of this time (except the first year), he was responsible for the overall conduct of the projects and the reports. These surveys resulted in hundreds of new records for officially listed species plus a wealth of additional floristic and vegetational information. He described a new species to science, together with subcontractor Max Medley: *Aster saxicastelii* (now *Eurybia* s.), and documented several new sites for other newly described species (*Cypripedium kentuckiense*, *Silphium wasiotensis*, *Solidago faucibus*). The reports include details of geology, soils and vegetation, allowing insight to the major ecological gradients within the forest. In 1994-1996, he conducted further work, in cooperation with Martina Hines (KSNPC) and David Taylor (DBNF), to survey over 700 forest plots (15 m radius) for woody and herbaceous vegetation. These data have provided a foundation for ecological analysis of the forest.

Mammoth Cave National Park (NPS). In 1996-1998, he participated with other Conservancy employees or subcontractors in a project to provide the park with justification for managing vegetation with fire. A general field survey of vegetation and flora was conducted in order to document features that would be enhanced by fire. A general review of historical and ecological background was conducted for insight to the effects of fire before settlement. A detailed report was submitted, including maps of botanical features and recommended areas for various types of fire management. In 1998-1999, further work was conducted for the park in order to assemble vegetation data for calibrating the remote-sensing maps produced by Murray State University. These projects provided a provisional classification of the vegetation and mapping ability.

Land-between-the-Lakes National Recreation Area (USFS). In 2003-2005, as a private consultant, Dr. Campbell and subcontracted botanists conducted several projects. These included a rapid assessment of virtually all old fields and wildlife openings at LBL, in order to allow the USFS better planning for their management. Special attention was given to rare species, and several locations were found. He outlined the significance of some sites as apparent remnants of open grassy woodland that was probably maintained by fire before Virginian settlement. They also conducted botanical surveys, and noted eroded areas, along ca. 15 miles of trail system that has been proposed for more active recreational use with bicycles. And they conducted botanical surveys in areas where US 68 has been proposed for widening.

Ouachita National Forest (USFS). In 1993-1996, as an employee of the Conservancy through their Arkansas Chapter, he participated in a botanical survey of lands proposed for exchange with the Weyerhaeuser Timber Company. This involved rapid assessment of about 50,000 acres of USFS land and 150,000 acres of WEYCO land. This exchange has been one of the largest in the South involving federal land, adding 105,000 acres to the Ouachita National Forest near Broken Bow Lake in southeastern Oklahoma, 28,000 near Lake Ouachita in Arkansas and 25,000 as part of the Cossatot National Wildlife Refuge in southwestern Arkansas. With political contention in the community, the Conservancy was contracted to provide an objective, science-based assessment of the biological values in the exchange.

OTHER EMPLOYMENT, CONTRACTS AND OTHER PROFESSIONAL SERVICES

Historical data include the following.

- 1975: Ohio State University (Department of Biology), Columbus, Ohio
Teaching Assistant (one semester)
- 1977-78: University of Kentucky (School of Biological Sciences), Lexington
Teaching Assistant--Introductory Botany, Plant Kingdom, Field Botany
- 1977: Land and Nature Trust of the Bluegrass, Lexington, Kentucky
Part-time employment on landscape inventory
- 1980: Kentucky State Nature Preserves Commission, Frankfort, Kentucky
Contract to analyze forest composition for conservation planning
- 1981: East Kentucky Power Cooperative Inc.
Contract to train employees for environmental impact studies
- 1982-83: World Wildlife Fund International, Gland, Switzerland
Contract to work on bamboo forest ecology in China for Giant Panda Project
- 1984: Chadwick & Associates Inc., Littleton, Colorado
Contract to survey flora in Kentucky for Means Oil-Shale Project
- 1984-85: Great Smoky Mountains National Park, Gatlinburg, Tennessee
Contract to assess vegetation damage from European wild boar
- 1985-86: University of Kentucky (School of Biological Sciences), Lexington, Kentucky
Part-time Instructor--Economic Botany, Plant Kingdom, Animal Biology, Ecology
- 1986-87: University of Kentucky (Department of Horticulture), Lexington, Kentucky
Research Specialist for establishing arboretum with woody plants of Kentucky
- 1986-87: The Nature Conservancy, Frankfort, Kentucky
Contract to survey rare plant species of Jessamine Creek Gorge.
- 1986: Commonwealth Technology Inc., Lexington, Ky. (E.T. Hartowisz subcontract)
Contract to survey vegetation along proposed US 23, Floyd & Johnson Counties.
- 1987-92: East Kentucky Power Cooperative Inc., Winchester, Ky.
Contracts to search for rare plant species along proposed powerlines.
- 1987-88: The Nature Conservancy, Lexington, Ky.
Contract for botanical work in cooperative inventory of rare species in Daniel Boone National Forest; working in partnership with US Forest Service, Ky. State Nature Preserves Commission, and Ky. Dept. of Fish & Wildlife Resources.

OTHER FINANCIAL SUPPORT AND GRANTS

- 1974-75: Buttle Memorial Trust, London, England; \$1000 for M.Sc. work.
- 1978-79: Univ. of Ky., Graduate School; \$3000 for Ph.D. Dissertation Year Fellowship.
- 1984: Kentucky Academy of Science, Marcia Athey Fund;
\$1500 for floristic work in Bluegrass.
- 1984-85: Smithsonian Institution, Department of Botany (with T.R. Soderstrom).
\$3500 for work on taxonomy and ecology of bamboos, including trip to India;
- 1987-89: Plant Conservation Center, Missouri Botanical Garden (with N.L. Taylor); \$1000
for propagation/study of *Trifolium stoloniferum* at Univ. of Ky, Dept. of Agronomy.
- 1989-90: Friends of Raven Run Inc., Lexington, Kentucky.
\$3000 to conduct a botanical survey of Raven Run Nature Sanctuary.

VOLUNTARY PROFESSIONAL ACTIVITIES

Kentucky Academy of Science: life member; Secretary, Botany & Microbiology Section (1986-87).

Kentucky Native Plant Society: founding board member (1985-89); newsletter editor (1985-89); president (1990-92).

Advisory Board, Raven Run Nature Sanctuary, Lexington-Fayette Urban County Government (1985-92).

Land & Nature Trust of the Bluegrass: board member (1992-present).

Initial effort in 1990s: Fayette County Biodiversity Task-Force: a cooperative partnership of Lexington-Fayette Urban-County Government and private-sector conservationists.

Initial effort in 2000s: Friends of Griffith Woods (2003-2009); a founding board member.

PUBLICATIONS

- Campbell, J.J.N., D.B. Richards & L.R.F. Crowley. 1978.** Regression analysis of sapling abundance in the Inner Bluegrass of Kentucky, with special reference to seed source. In P.E. Pope (ed.). Proceedings of the Second Central Hardwood Forest Conference, p. 258-268. Purdue University, West Lafayette, Indiana.
- Meijer, W., J.J.N. Campbell, H. Setser & L.R. Meade. 1981.** Swamp forests on high terrace deposits in the Bluegrass and Knobs regions of Kentucky. *Castanea* 46: 122-135.
- Campbell, J.J.N. 1982.** Pears and persimmons: a comparison of temperate forests in Europe and eastern North America. *Vegetatio* 49: 85-101.
- Campbell, J.J.N., & Qin Z-S. 1983.** Interaction of giant pandas, bamboos and people. *Journal of the American Bamboo Society* 4: 1-35.
- Campbell, J.J.N. 1984.** Giant panda conservation and bamboo forest destruction. In T.N. Veziroglu (ed.), *The Biosphere: Problems and Solutions*, p. 599-616. Elsevier Science Publishers B.V., Amsterdam. [Full report to World Wildlife Fund also available.]
- Campbell, J.J.N. 1985.** Bamboo flowering patterns: a global view with special reference to East Asia. In Proceedings of the First International Bamboo Conference. *Journal of the American Bamboo Society* 6: 17-35.
- Campbell, J.J.N. 1987.** The history of Sino-Himalayan bamboo flowering, droughts and sunspots. *Journal of Bamboo Research* 6: 1-15.
- Campbell, J.J.N. 1987.** Gradients of species composition in the Central Hardwood Forest. In R.L. Hay, F.W. Woods & H. DeSelm (eds.). Proceedings of the Sixth Central hardwood Forest Conference, p. 325-346. University of Tennessee, Knoxville, Tennessee.
- Campbell, J.J.N., M. Evans, M.E. Medley & N.L. Taylor. 1988.** Buffalo clovers in Kentucky (*Trifolium stoloniferum* and *T. reflexum*): historical records, presettlement environment, rediscovery, endangered status, cultivation and chromosome number. *Rhodora* 90: 399-418.
- Campbell, J.J.N. 1989.** Historical evidence of presettlement forest composition in the Inner Bluegrass of Kentucky. In G. Rink & C.A. Budelsky (eds.). Proceedings of the Seventh Central Hardwood Forest Conference, p. 231-246. North Central Forest Experiment Station, USDA Forest Service.
- Campbell, J.J.N., & M.E. Medley. 1989.** *Aster saxicastellii* (Asteraceae), a new species from the Rockcastle River bars in southeastern Kentucky. *Sida* 13: 277-284.
- Campbell, J.J.N., & W. Meijer. 1989.** The flora and vegetation of Jessamine Gorge, an outstanding natural area in the Inner Bluegrass Region of Kentucky. *Transactions of the Kentucky Academy of Science* 50: 27-45.
- Campbell, J.J.N., M.E. Medley. 1990.** The largest known concentration of *Silphium wasiotensis*, a plant found only in the Rugged Eastern Area of Appalachian Kentucky. *Transactions of the Kentucky Academy of Science* 51: 43-50.
- Campbell, J.J.N., D.D. Taylor, M.E. Medley & A.C. Risk. 1991.** Floristic and historical evidence of fire-maintained, grassy pine-oak "barrens" before settlement in southeastern Kentucky. In S.C. Nodvin & T.A. Waldrop (eds.). *Fire and the Environment: Ecological and Cultural Perspectives*, Proceedings of an International Symposium, p. 359-375. SE Forest Expt. Station, Asheville, North Carolina.
- Campbell, J.J.N. 1992.** Sino-Himalayan bamboos: towards a synthesis of western and eastern knowledge. Proceedings of the Second International Bamboo Conference. *Journal of the American Bamboo Society* 8: 12-22.
- Campbell, J.J.N., & J. Grubbs. 1992.** Natural Plant Communities of Hopkins County, Kentucky.

Transactions of the Kentucky Academy of Science 53: 29-38.

Campbell, J.J.N., D.G. Ruch & W. Meijer. 1995. The flora and vegetation of Raven Run Nature Sanctuary, Fayette County, Kentucky. Proceedings of the Indiana Academy of Science 104: 139-184.

Campbell, J.J.N. 1995. New combinations in eastern North American *Elymus* (Poaceae). Novon 5: 128.

Campbell, J.J.N. 1996. Proposal to conserve *Elymus virginicus* (Poaceae) with a conserved type. Taxon 45: 128-129.

Campbell, J.J.N. 2000. Notes on North American *Elymus* species (Poaceae) with paired spikelets: I. *E. macgregorii* sp. nov. and *E. glaucus* ssp. *mackenzii* comb. nov. Journal of the Kentucky Academy of Science 61: 88-98.

Campbell, J.J.N. 2002a. Notes on North American *Elymus* species (Poaceae) with paired spikelets: II. The "*interruptus* group". Journal of the Kentucky Academy of Science 63: 19-38.

Campbell, J.J.N. 2002b. Notes on North American *Elymus* species (Poaceae) with paired spikelets: III. A synoptic key. Journal of the Kentucky Academy of Science 63: 47-52.

Campbell, J.J.N. 2002c. Notes on North American *Elymus* species (Poaceae) with paired spikelets. IV. A key to the species and varieties in Kentucky. Journal of the Kentucky Academy of Science 3: 47-52.

Campbell, J.J.N. 2005. Comparative ecology of warm-season (C_4) versus cool-season (C_3) grass species in Kentucky, with special reference to Bluegrass Woodlands. Proceedings of the Fourth Eastern Native Grass Symposium (Lexington, Kentucky); ed. T.G. Barnes.

Campbell, J.J.N. 2006. Two new species of *Elymus* in the southern U.S.A., and other notes on North American *Elymus* species. Sida, Contributions to Botany 22: 485-494.

Barkworth, M., J.J.N. Campbell & B. Salomon. 2007. *Elymus*. In M.E. Barkworth, K.M. Capels & L.A. Vorobik (eds.). Poaceae, part 1. Flora of North America. 24: 288-343. Oxford University Press, New York.

Campbell, J.J.N., M.E. Medley & T. Barnes. 2011 (in preparation). Illustrated Atlas of Vascular Plants in Kentucky. Submitted to University Press of Kentucky; draft plus database now available at http://bluegrasswoodland.com/Kentucky_Plants_Flora.html.]

Campbell, J. J. N., & W. R. Seymour. 2011a. A review of native vegetation types in the Black Belt of Mississippi and Alabama, with suggested relationships to the catenas of soil series. Journal of the Mississippi Academy of Science 56: 166-184. [See correct version at http://bluegrasswoodland.com/Mississippi_Black_Belt.html.]

Campbell, J. J. N., & W. R. Seymour. 2011b. The vegetation of Pulliam Prairie, Chickasaw County, Mississippi: a significant remnant of pre-Columbian landscape in the Black Belt. Journal of the Mississippi Academy of Science 56: 248-263. [See correct version at http://bluegrasswoodland.com/Mississippi_Black_Belt.html.]

Campbell, J.J.N., & W.R. Seymour. 2012. The flora of Pulliam Prairie, Chickasaw County, Mississippi: a significant remnant of native vegetation in the Black Belt Region. Journal of the Mississippi Academy of Science 57 (in press). [See correct version at http://bluegrasswoodland.com/Mississippi_Black_Belt.html.]

TECHNICAL REPORTS (available on request).

Campbell, J.J.N. 1984. Natural History and Conservation Problems of Forests, Bamboos and Giant Pandas in the Sichuan Region, People's Republic of China. Ecological Background for the World Wildlife Fund Giant Panda Project.

- Campbell, J.J.N. 1985.** The Land of Cane and Clover: Presettlement Vegetation in the So-called Bluegrass Region of Kentucky. Report from the Herbarium, University of Kentucky, Lexington, Kentucky.
- Palmer-Ball, B., J.J.N. Campbell, M.E. Medley, D.T. Towles, J.R. MacGregor & R.R. Cicerello. 1988.** Cooperative inventory of endangered, threatened, sensitive and rare species: Daniel Boone National Forest, Somerset Ranger District. Technical report by U.S. Forest Service, The Nature Conservancy, Kentucky State Nature Preserves Commission and Kentucky Department of Fish & Wildlife Resources. Kentucky State Nature Preserves Commission, Frankfort, Ky.
- Campbell, J.J.N., D.T. Towles, J.R. MacGregor, R.R. Cicerello, B. Palmer-Ball, M.E. Nedley & S. Olson. 1989.** Cooperative inventory of endangered, threatened, sensitive and rare species: Daniel Boone National Forest, Stanton Ranger District. Technical report by U.S. Forest Service, The Nature Conservancy, Kentucky State Nature Preserves Commission and Kentucky Department of Fish & Wildlife Resources. Kentucky State Nature Preserves Commission, Frankfort, Ky.
- Campbell, J.J.N., & D.G. Ruch. 1990.** Botanical Survey of the Raven Run Nature Sanctuary with Recommendations for Management. A Study Funded by the Friends of Raven Run.
- Campbell, J.J.N., A.C. Risk, V.L. Andrews, B. Palmer-Ball & J.R. MacGregor. 1990.** Cooperative inventory of endangered, threatened, sensitive and rare species: Daniel Boone National Forest, Stearns Ranger District. Technical report by U.S. Forest Service, The Nature Conservancy, Ky. State Nature Preserves Commission and Ky. Dept. Fish & Wildlife Resources. Kentucky State Nature Preserves Commission, Frankfort. Ky.
- Campbell, J.J.N., J.E. Flotemersch, J.R. MacGregor, D. Noe, A.C. Risk, M.D. Studer & T.T. Towles. 1991.** Cooperative inventory of endangered, threatened, sensitive and rare species: Daniel Boone National Forest, Berea Ranger District. Technical report by U.S. Forest Service, The Nature Conservancy, Kentucky State Nature Preserves Commission and Kentucky Department of Fish & Wildlife Resources. Kentucky State Nature Preserves Commission, Frankfort, Ky.
- Campbell, J.J.N., S.A. Bonney, J.D. Kiser, L.E. Kornman., J.R. MacGregor, L.E. Meade & A.C. Risk. 1992.** Cooperative inventory of endangered, threatened, sensitive and rare species: Daniel Boone National Forest, Morehead Ranger District. Technical report by U.S. Forest Service, The Nature Conservancy, Kentucky State Nature Preserves Commission and Kentucky Department of Fish & Wildlife Resources. Kentucky State Nature Preserves Commission, Frankfort, Ky.
- Campbell, J.J.N., R.R. Cicerello, J.D. Kiser, J.R. MacGregor & A.C. Risk. 1993.** Cooperative inventory of endangered, threatened, sensitive and rare species: Daniel Boone National Forest, Redbird Ranger District. Technical report by U.S. Forest Service, The Nature Conservancy, Kentucky State Nature Preserves Commission and Kentucky Department of Fish & Wildlife Resources. Kentucky State Nature Preserves Commission, Frankfort, Ky.
- Campbell, J.J.N., J.R. Abbott, R.R. Cicerello, J.D. Kiser, J.R. MacGregor & J.G. Palis. 1994.** Cooperative inventory of endangered, threatened, sensitive and rare species: Daniel Boone National Forest, London Ranger District. Technical report by U.S. Forest Service, The Nature Conservancy, Kentucky State Nature Preserves Commission and Kentucky Department of Fish & Wildlife Resources. Kentucky State Nature Preserves Commission, Frankfort, Ky.
- Campbell, J.J.N. 1996.** Classification of Forest, Soil and Land Types on Daniel Boone National Forest. Technical report to Daniel Boone National Forest. The Nature Conservancy, Kentucky Chapter, Lexington, Kentucky.
- Campbell, J.J.N., & T. Simmons. 1999.** Fire Management Plan for Mammoth Cave National Park. The Nature Conservancy, Kentucky Chapter, Lexington, Kentucky.
- Campbell, J.J.N. 1999.** [Botanical sections.] In J. Hohman (ed.). Biological Evaluation of Herbicide

Application to Powerline Rights-of-Way. East Kentucky Power Inc., Winchester, Kentucky.
Campbell, J.J.N. 2001. Ecological Rationale for the Fire Management Plan at Big South Fork National River and Recreation Area. Report from The Nature Conservancy for National Park Service..g., removing or planting species to investigate competition).