

CURRICULUM VITAE

CLARK, James Curtis

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Positions Held

Professor, Biological Sciences Department, California State Polytechnic University, Pomona. Sep 1988-present.

Adjunct Professor, Rancho Santa Ana Botanic Garden, Claremont. Jan 1994-present.

Associate Professor, Biological Sciences Department, California State Polytechnic University, Pomona. Sep 1984-Sep 1988.

Assistant Professor, Biological Sciences Department, California State Polytechnic University, Pomona. Sep 1980-Sep 1984.

Lecturer, Department of Botany, University of California, Davis. Jan-Jun 1980.

Staff Research Associate, Department of Ecology and Evolutionary Biology, University of California, Irvine. Jun-Sep 1979.

Lecturer, Department of Botany, University of California, Davis. Apr-Jun 1979.

Graduate Teaching Assistant, Department of Botany, University of California, Davis. Oct 1978-Mar 1979; Oct-Dec 1977; Jan-Jun 1977.

Graduate Teaching Assistant, University of Oklahoma Biological Station. May-Jul 1973; May-Jul 1974.

Graduate Teaching Assistant, Department of Botany and Microbiology, University of Oklahoma. Sep 1972-May 1973.

Education

Ph.D., University of California, Davis, March 1979; major, botany; major professor, Donald W. Kyhos; dissertation, "Systematic Studies of *Eschscholzia* (Papaveraceae)".

M.S., University of Oklahoma, July 1974; major, botany; major professor, James R. Estes; thesis, "Ecogeographic Races of *Lesquerella engelmannii* (Cruciferae)".

B.S., High Honors, University of Oklahoma; May 1972; major, zoology; minors, botany, chemistry, German.

Honorary Societies Sigma Xi (Full, 1979; Associate, 1973), Phi Sigma (1973), Phi Beta Kappa (1972), Omicron Delta Kappa (1972); Phi Eta Sigma (1970).

Awards California State Polytechnic University Meritorious Performance and Professional Promise Award, 1985, 1986, 1987, 1988, 1989.

Best Paper, California Botanical Society Graduate Student Meetings, 1976.

University of Oklahoma Honors Award, 1971.

Scholarships and Fellowships University of California Regents Fellowship, 1977-78, 1976-77.

NSF Graduate Fellowship, 1973-76.

University of Oklahoma Merit Scholarship, 1969.

National Merit Scholarship, 1969.

University Service **California State Polytechnic University, Pomona**

- Member, Biotrek Steering Committee, 1998-present.
- Member, University Computer Resources Advisory Committee, 1997-present.
- Coordinator, Biological Sciences web pages, 1995-present.
- Member, departmental Graduate Affairs Committee, 1981-1994, 1996-present.
- Curator, Biological Sciences Herbarium (CSPU), 1980-present.
- Chair, Plant Population Geneticist Search Committee, 2000-2001.
- Member, Faculty Recruitment Task Force, 1999-2000.
- Member, College of Science Web Team, 1997-2001.
- Member, departmental Retention, Tenure, and Promotion Committee, 1992-1994, 1997-1999.
- Member, Academic Senate Committee Opposing the Cal Poly Pomona Golf Course, 1998-1999.
- Member, Vice-President for Information and Instructional Technology Search Committee, 1997-1998.
- Darkroom Coordinator, 1985-1995.
- Botany Section Coordinator, 1985-1986, 1989-1990, 1993-1994.
- Member, departmental Budget Committee, 1985-1986, 1989-

1990, 1993-1994.

- Member, Post-tenure Review Committee, 1992.
- Departmental Scheduling Coordinator, 1988-1991.
- Coordinator, Quantitative Biology Laboratory, 1987-1991.
- Chair, departmental Honors Program Committee, 1985-1988.
- Member, departmental Computer Committee, 1983-1986.
- Secretary, Institute for Cellular and Molecular Biology, 1982-1983.
- Seminar Co-Coordinator, Biological Sciences Department, 1981-1982.
- Faculty Sponsor, Botany Club, 1980-1982.
- Member, University Instructional Services Committee, 1980-1981.

University of California, Davis

- Vice-President, Botany Graduate Student Association, 1976-1977.

University of Oklahoma

- President, Omega Chapter of Phi Sigma, 1973-1974.
- President (1971-1972), Vice-President (1970-1971), University of Oklahoma Zoological Society.

Professional Activities

Manuscript reviews for *Systematic Botany*, *American Journal of Botany*, *Madroño*, *Southwestern Naturalist*, *Botanical Gazette*, *Aliso*, *Australian Journal of Botany*, *Crossosoma*.

Grant reviews for National Science Foundation, National Geographic Society, Southern California Botanists.

Board of Directors, Southern California Botanists, Inc., Jan 1981 - Nov 1984, Jan 1989 - Dec 1989, Jan 1992-Dec 1993.

President, Southern California Botanists, Inc., Jan 1990 - Dec 1991.

Editor, *Crossosoma* (journal of Southern California Botanists, Inc.), Jan 1992 - Dec 1995.

Memberships

- American Society of Plant Taxonomists
- Botanical Society of America
- California Native Plant Society
- International Association for Plant Taxonomy
- Sigma Xi (active)
- Society for Systematic Biology

- Southern California Botanists

REFEREED PUBLICATIONS

1. Clark, Curtis. 1975. Ecogeographic races of *Lesquerella engelmannii* (Cruciferae): Distribution, chromosome numbers, and taxonomy. *Brittonia* 27:263-278.
2. Clark, Curtis. 1978. Pollen shed as tetrads by plants of *Eschscholzia californica* (Papaveraceae). *Madroño* 25:59-60.
3. Clark, Curtis. 1978. Systematic studies of *Eschscholzia* (Papaveraceae). I. The origin and affinities of *E. mexicana*. *Syst. Bot.* 3:374-385.
4. Clark, Curtis and Judith A. Jernstedt. 1978. Systematic studies of *Eschscholzia* (Papaveraceae). II. Seed coat microsculpturing. *Syst. Bot.* 3:386-402.
5. Jernstedt, Judith A. and Curtis Clark. 1979. Stomata on the fruits and seeds of *Eschscholzia* (Papaveraceae). *Amer. J. Bot.* 66:586-590.
6. Clark, Curtis. 1979. Ultraviolet absorption by flowers of the *Eschscholzioideae* (Papaveraceae). *Madroño* 26:22-25.
7. Clark, Curtis and Donald W. Kyhos. 1980. Specific status for *Encelia californica* var. *asperifolia* (Compositae: Heliantheae). *Madroño* 27:48.
8. Clark, Curtis and Grady L. Webster. 1980. Noteworthy collections: *Eschscholzia californica* Chamisso ssp. *mexicana* (Greene) C. Clark (Papaveraceae). *Madroño* 27:180.
9. Kyhos, D.W., Curtis Clark, and Wm. C. Thompson. 1981. The hybrid nature of *Encelia laciniata* (Compositae: Heliantheae) and control of population composition by post-dispersal selection. *Syst. Bot.* 6:399-411.
10. Clark, Curtis, Nancy C. Clark, Donald L. Sanders, and Emilia Parra. 1984. Noteworthy collections: *Androstaphium breviflorum* S. Wats. (Amaryllidaceae). *Madroño* 31:192.
11. Budzikiewicz, Herbert, Gabriela Laufenberg, Curtis Clark, and Peter Proksch. 1984. New benzofuran derivatives from *Enceliopsis argophylla*. *Phytochemistry* 23:2625-2627.
12. Clark, Curtis and Donald L. Sanders. 1985. Lectotypification of *Enceliopsis covillei* (A. Nelson) S.F. Blake (Asteraceae: Heliantheae) and a consideration of its correct name. *Taxon* 34:147-149.
13. Clark, Curtis, Donald L. Sanders, and Nancy Charest. 1986. A field-oriented technique for producing high-quality preparations of plant surfaces for scanning electron microscopy. *Taxon* 35:295-297.
14. Clark, Curtis. 1986. Homoplastic—an appropriate choice. *Syst. Zool.* 35:142-143.
15. Clark, Curtis and Donald L. Sanders. 1986. Floral ultraviolet in the *Encelia* alliance (Asteraceae: Heliantheae). *Madroño* 33:130-135.
16. Clark, Curtis and Nancy Charest. 1986. Noteworthy collections: *Sanguisorba minor* Scop. subsp. *muricata* Briquet (Rosaceae). *Madroño* 33:231.
17. Clark, Curtis. 1986. *Eschscholzia lemmonii* ssp. *kernensis* : a new combination for the Tejon poppy. *Madroño* 33:224-225.
18. Clark, Curtis and Daniel J. Curran. 1986. Outgroup analysis, homoplasy, and global parsimony: A response to Maddison, Donoghue, and Maddison. *Syst. Zool.* 35:150-154.
19. Proksch, Peter and Curtis Clark. 1987. Systematic implications of chromenes and benzofurans from *Encelia* (Asteraceae). *Phytochemistry* 26:171-174.
20. Sanders, Donald L. and Curtis Clark. 1987. Comparative morphology of the capitulum of *Enceliopsis*. *Amer. J. Bot.* 74:1072-1086.
21. Clark, Curtis, Donald W. Kyhos, and Nancy Charest. 1988. A new *Encelia* (Asteraceae: Heliantheae) from Baja California. *Madroño* 35:10-15.
22. Proksch, Peter, Ursula Politt, Eckhard Wollenweber, Victor Wray, and Curtis Clark. 1988. Epicuticular flavonoids from *Encelia*. *Planta Medica* 1988:483-584.
23. Harrington, Daniel F., and Curtis Clark. 1989. Reduction in light reflectance of leaves of *Encelia densifolia* (Asteraceae) by trichome wetting. *Madroño* 36:180-186.
24. Clark, Curtis, and Mark Faull. 1991. A new subspecies and a new combination in *Eschscholzia minutiflora* (Papaveraceae). *Madroño* 38:73-79.
25. Allan, Gerard J., Curtis Clark, and Loren H. Riesberg. 1997. Distribution of parental DNA markers in *Encelia virginensis* (Asteraceae: Heliantheae), a diploid species of putative hybrid origin. *Pl. Syst. Evol.* 205:205-221.
26. Stiffler, Daniel F., Stephen H. Bryant, Curtis Clark, Michael L. Keith, and David J. Moriarty. 1998. Assessment of quantitative learning in the biological sciences. *CSU Fullerton Assessment Conference Proceedings*.
27. Ownbey, Gerald B., Jeffrey W. Brasher, and Curtis Clark. 1998. A new flora for Arizona in preparation: Papaveraceae. *J. Arizona-Nevada Acad. Sci.* 30(2):120-132.
28. Killeen, Gerry F., Claire A. Madigan, Cathal R. Connolly, Gerard A. Walsh, Curtis Clark, Michael J. Hynes, Brendan F. Timmins, Paraic James, Denis R. Headon, and Ronan F. Power. 1998. Antimicrobial saponins of *Yucca schidigera* and the implications of their in vitro properties for their in vivo impact. *J. Agric. Food Chem.* 46:3178-3186.
29. Clark, Curtis. 1998. Phylogeny and adaptation in the *Encelia* alliance (Asteraceae: Heliantheae). *Aliso* 17:89-98.

30. Clark, Curtis. 1998. New names and combinations in *Encelia frutescens* sensu lato (Asteraceae: Heliantheae). *Aliso* 17:201-202.

NON-REFEREED PUBLICATIONS

1. Ehleringer, James R. and Curtis Clark. 1987. Evolution and adaptation in *Encelia* (Asteraceae). Pp. 221-248 in *Plant evolutionary biology*. L.D. Gottlieb and S.K. Jain, eds. Chapman & Hall, London.
2. Isman, Murray B., Peter Proksch, and Curtis Clark. 1990. Terpenoid anti-herbivore chemistry of *Encelia* species (Asteraceae). *Biochemistry of the Mevalonic Acid Pathway to Terpenoids*, ch. 7 in *Recent Advances in Phytochemistry* 24:249-264. Plenum Press, New York.
3. Clark, Curtis. 1990. Peripatric speciation and the origin of crop plants. *Occas. Paper #5*, Archaeol. Res. Facility, Calif. St. Univ., Fullerton.
4. Clark, Curtis. 1990. Vascular plants of the undeveloped areas of California State Polytechnic University, Pomona. *Crossosoma* 16(4):1-7.
5. Clark, Curtis, and Nancy A. Charest. 1992. Vegetation survey of the Antelope Valley California Poppy Reserve. *Crossosoma* 18(1):15-24.
6. Clark, Curtis, and Nancy A. Charest. 1992. Comparison of annual and perennial *Eschscholzia californica* (Papaveraceae) at the Antelope Valley California Poppy Reserve. *Crossosoma* 18(2):19-26.
7. Clark, Curtis. 1993. How dry is a drought? *Crossosoma* 19(2):37-48.
8. Clark, Curtis. 1993. *Papaveraceae*, portions of *Asteraceae*. in *The Jepson Manual: Higher Plants of California*, ed. James C. Hickman. Univ. California.
9. Clark, Curtis. 1996. Species of *Argemone*, *Dendromecon*, *Eschscholzia*, *Glaucium*, *Meconella*, *Platystemon*, *Roemeria*, *Romneya*. in *World of Plants, Weekly Encyclopedia*, # 91. Asahi Shimbun Press. [in Japanese]
10. Clark, Curtis. 1997. Portions of *Papaveraceae*. in *Flora of North America Editorial Committee, Flora of North America, Volume 3: Magnoliophyta: Magnoliidae and Hamamelidae*. Oxford University Press.
11. Clark, Curtis. 1997. The genus *Eschscholzia*. in O'Brien, Bart C., Lorrae C. Fuentes, and Lydia F. Newcombe, eds., *Out of the Wild and Into the Garden II: A Symposium of California's Horticulturally Significant Plants*, March 9-11, 1995. Rancho Santa Ana Botanic Garden Occasional Publications No. 2. 261 pp.
12. Clark, Curtis. 2000. To inspire, to challenge, to anger: A personal reflection on the legacy of Ledyard Stebbins. *Botanical Electronic News* No. 240 (February 1), <http://www.ou.edu/cas/botany-micro/ben/ben240.html>.

PUBLISHED ABSTRACTS

1. Clark, Curtis, Karen W. Bowers, Phillip Hall, and W. Ethen Perkins. 1973. Fluorescence patterns in selected genera of yellow-rayed Oklahoma composites. *Swanews* 1973 (1&2):10 (April).
2. Clark, Curtis. 1974. Correlations between the distribution of *Lesquerella ovalifolia* (Cruciferae) and geological formations in southern Oklahoma. *Swanews* 1974 (1&2):11 (April).
3. Clark, Curtis. 1975. Ecogeographic races of *Lesquerella engelmannii* (Cruciferae). *Botanical Society of America, Abstracts*.
4. Clark, Curtis. 1978. Evolution of the desert species of *Eschscholzia* (Papaveraceae). *Botanical Society of America, Misc. Ser., Publ.* 156.
5. Jernstedt, J.A., and Curtis Clark. 1978. Stomata on the seed coats of *Eschscholzia* (Papaveraceae). *Botanical Society of America, Misc. Ser., Publ.* 156.
6. Clark, Curtis, and D.W. Kyhos. 1979. Origin of species by hybridization in *Encelia* (Compositae: Heliantheae). *Botanical Society of America, Misc. Ser., Publ.* 157.
7. Clark, Curtis. 1980. *Eschscholzia* (Papaveraceae): An evolutionary conspectus. *Pacific Division AAAS, 61st Annual Meeting, Abstracts*.
8. Clark, Curtis, Wm. C. Thompson, and Donald W. Kyhos. 1980. Comparative morphology of the leaf trichomes of *Encelia* (Compositae: Heliantheae). *Botanical Society of America, Misc. Ser., Publ.* 158.
9. Clark, Curtis, Donald W. Kyhos, and Wm. C. Thompson. 1980. Evidence for the origin of diploid species in *Encelia* (Compositae: Heliantheae) by hybridization. In: *Evolution Today, Second International Congress of Systematic and Evolutionary Biology, Abstracts*, p. 165.
10. Clark, Curtis. 1982. Applications of block clustering in ecology and systematics. *Pacific Division AAAS, 63rd Annual Meeting, Abstracts*.
11. Clark, Curtis. 1982. Hybridization in *Encelia* (Compositae: Heliantheae) and its effect on phylogenetic analysis. *Botanical Society of America, Misc. Ser., Publ.* 162.
12. Clark, Curtis. 1982. Relationships between experimental and phylogenetic systematics: An overview. *Botanical Society of America, Misc. Ser., Publ.* 162.
13. Clark, Curtis. 1983. Systematics and biogeography of the *Encelia frutescens* alliance (Asteraceae: Heliantheae). *Amer. J. Bot.* 70(5), Part 2, p. 109.

14. Clark, Curtis. 1983. Herbarium label-writing on a main-frame computer. *Amer. J. Bot.* 70(5), Part 2, p. 102.
15. Clark, Curtis. 1984. Selection against hybrid recombinants as an isolating mechanism: the syngameon reassessed. *Amer. J. Bot.* 71(5), Part 2, p. 161.
16. Clark, Nancy Charest, and Curtis Clark. 1984. Comparison of trichomes of the capitulum to leaf trichomes of the *Encelia californica* clade (Asteraceae: Heliantheae). *Amer. J. Bot.* 71(5), Part 2, p. 152.
17. Sanders, Donald L., and Curtis Clark. 1984. Comparative morphology of the disk florets of *Enceliopsis* (Asteraceae: Heliantheae). *Amer. J. Bot.* 71(5), Part 2, p. 153.
18. Proksch, Peter, and Curtis Clark. 1984. New chromenes and benzofurans from the *Encelia* alliance (Asteraceae: Heliantheae) and their systematic significance. *Amer. J. Bot.* 71(5), Part 2, p. 183.
19. Clark, Curtis. 1986. The phylogeny of *Encelia* (Asteraceae: Heliantheae). *Amer. J. Bot.* 73:757.
20. Clark, Curtis. 1988. A phylogenetic view of climatic tolerance in the *Encelia* alliance (Asteraceae: Heliantheae). *Amer. J. Bot.* 75(6), Part 2, p. 165.
21. Nishida, Joy H., and Curtis Clark. 1988. Scanning electron microscopic study of the trichomes of *Geraea* (Asteraceae: Heliantheae). *Amer. J. Bot.* 75(6), Part 2, pp. 196-197.
22. Clark, Curtis, and Mark Faull. 1989. Reevaluation of the *Eschscholzia minutiflora* autopolyploid complex (Papaveraceae). *Amer. J. Bot.* 76(6), Supplement, p. 232.
23. Allan, Gery J., Curtis Clark, and Loren Rieseberg. 1993. *Encelia virginensis* (Asteraceae): Origin and genetic composition of a diploid species of putative hybrid origin. *Amer. J. Bot.* 80(6), Supplement, p. 129.
24. Clark, Curtis. 1995. Reconciling phenotypic and ITS sequence phylogenies in the *Encelia* alliance (Asteraceae: Heliantheae) to study character evolution. *Amer. J. Bot.* 82(6), Supplement, p. 120.
25. Clark, Curtis. 1996. Hybrid speciation with external barriers: *Encelia* (Asteraceae: Heliantheae), a case study. *Amer. J. Bot.* 83(6), Supplement, p. [not presented]
26. Clark, Curtis, and Gerard J. Allan. 1997. Hybrid speciation with external barriers: *Encelia* (Asteraceae: Heliantheae), a case study. *Amer. J. Bot.* 83(6), Supplement, p. 249.
27. Carpenter, Kevin J., and Curtis Clark. 1999. Comparative morphology of disk floret trichomes of *Encelia* (Asteraceae). XVI International Botanical Congress, Abstracts. Poster 415, Abstract 2276, p. 362.
28. Tulig, Melissa C., and Curtis Clark. 2000. Morphological Variation in *Mimulus* section *Diplacus* (Scrophulariaceae). *Amer. J. Bot.* 87(6), Supplement, p. 182.

PRESENTED PAPERS AND POSTERS

1. Clark, Curtis. 1972. A comparison of the calls of two populations of pikas (*Ochotona princeps*). Southwestern Association of Naturalists, Annual Meeting.
2. Clark, Curtis. 1972. Notes on the pollination ecology of two Oklahoma thistles. Oklahoma Academy of Sciences, 61st Annual Meeting.
3. Clark, Curtis, Karen W. Bowers, Phillip Hall, and W. Ethen Perkins. 1973. Fluorescence patterns in selected genera of yellow-rayed Oklahoma composites. Southwestern Association of Naturalists, Annual Meeting.
4. Clark, Curtis. 1973. Pollen predation in *Lolium perenne* var. *italicum* and *Sorghum halepense*. Oklahoma Academy of Science, 62nd Annual Meeting.
5. Perkins, Mary C., and Curtis Clark. 1973. Notes on the floral biology of *Indigofera miniata*. Oklahoma Academy of Science, 62nd Annual Meeting (presented by Curtis Clark).
6. Clark, Curtis. 1974. Correlations between the distribution of *Lesquerella ovalifolia* (Cruciferae) and geological formations in southern Oklahoma. Southwestern Association of Naturalists, Annual Meeting.
7. Clark, Curtis. 1975. Ecogeographic races of *Lesquerella engelmannii* (Cruciferae). American Society of Plant Taxonomists, Annual Meeting.
8. Clark, Curtis. 1975. Ultraviolet reflection and fluorescence of flowers: Applications and techniques. California Botanical Society, Graduate Student Meetings.
9. Clark, Curtis. 1976. The identity of *Eschscholzia mexicana* (Papaveraceae): A preliminary report. California Botanical Society, Graduate Student Meetings (award for best paper).
10. Clark, Curtis. 1977. Evolution of the desert species of *Eschscholzia* (Papaveraceae). California Botanical Society, Graduate Student Meetings.
11. Clark, Curtis. 1978. Evolution of the desert species of *Eschscholzia* (Papaveraceae). American Society of Plant Taxonomists, Annual Meeting.
12. Clark, Curtis, and D.W. Kyhos. 1978. *Encelia X laciniata* (*E. ventorum* X *E. palmeri*): interspecific hybridization in Baja California. California Botanical Society, Graduate Student Meetings.
13. Clark, Curtis, and D.W. Kyhos. 1979. Origin of species by hybridization in *Encelia* (Compositae: Heliantheae). American Society of Plant Taxonomists, Annual Meeting.

14. Clark, Curtis. 1980. *Eschscholzia* (Papaveraceae): An evolutionary conspectus. Pacific Division AAAS, 61st Annual Meeting.
15. Clark, Curtis, Wm. C. Thompson, and Donald W. Kyhos. 1980. Comparative morphology of the leaf trichomes of *Encelia* (Compositae: Heliantheae). Botanical Society of America, Annual Meeting (poster).
16. Clark, Curtis, Donald W. Kyhos, and Wm. C. Thompson. 1980. Evidence for the origin of diploid species in *Encelia* (Compositae: Heliantheae) by hybridization. Second International Congress of Systematic and Evolutionary Biology.
17. Clark, Curtis. 1982. Applications of block clustering in ecology and systematics. Pacific Division AAAS, 63rd Annual Meeting.
18. Clark, Curtis. 1982. Hybridization in *Encelia* (Compositae: Heliantheae) and its effect on phylogenetic analysis. American Society of Plant Taxonomists, Annual Meeting.
19. Clark, Curtis. 1982. Relationships between experimental and phylogenetic systematics: An overview. American Society of Plant Taxonomists, Annual Meeting.
20. Clark, Curtis, and Nancy C. Clark. 1983. Use of trichome morphology in studies of the phylogeny of *Encelia* (Asteraceae). Institute for Cellular and Molecular Biology (California State Polytechnic University, Pomona), Fellows Symposium.
21. Clark, Curtis. 1983. Systematics and biogeography of the *Encelia frutescens* alliance (Asteraceae: Heliantheae). American Society of Plant Taxonomists, Annual Meeting.
22. Clark, Curtis. 1983. Herbarium label-writing on a main-frame computer. Botanical Society of America, Annual Meeting (poster).
23. Clark, Curtis. 1983. Label-writing on mainframe computers. Herbarium Curators Meeting, October 14, Missouri Botanical Garden.
24. Clark, Curtis. 1984. Selection against hybrid recombinants as an isolating mechanism: the syngameon reassessed. American Society of Plant Taxonomists, Annual Meeting.
25. Proksch, Peter, and Curtis Clark. 1984. New chromenes and benzofurans from the *Encelia* alliance (Asteraceae: Heliantheae) and their systematic significance. American Society of Plant Taxonomists, Annual Meeting (presented by Curtis Clark).
26. Clark, Curtis. 1986. The phylogeny of *Encelia* (Asteraceae: Heliantheae). American Society of Plant Taxonomists, Annual Meeting.
27. Clark, Curtis. 1988. A phylogenetic view of climatic tolerance in the *Encelia* alliance (Asteraceae: Heliantheae). American Society of Plant Taxonomists, Annual Meeting.
28. Clark, Curtis, Jonathan N. Baskin, and Jaime A. Tres. 1988. Linear measurement in biology: Comparison of computer-assisted with manual techniques. American Institute of Biological Sciences, Annual Meeting.
29. Clark, Curtis. 1989. Preparation of herbarium labels in lower division flora courses. Association of Biologists for Computing, Winter 1989 Meeting.
30. Clark, Curtis. 1989. A free word-processing program for computer application classes. Association of Biologists for Computing, Winter 1989 Meeting.
31. Clark, Curtis, and Mark Faull. 1989. Reevaluation of the *Eschscholzia minutiflora* autopolyploid complex (Papaveraceae). American Society of Plant Taxonomists, Annual Meeting.
32. Clark, Curtis. 1995. Reconciling phenotypic and ITS sequence phylogenies in the *Encelia* alliance (Asteraceae: Heliantheae) to study character evolution. American Society of Plant Taxonomists, Annual Meeting.
33. Clark, Curtis, and Gerard J. Allan. 1997. Hybrid speciation with external barriers: *Encelia* (Asteraceae: Heliantheae), a case study. American Society of Plant Taxonomists, Annual Meeting (poster).
34. Clark, Curtis, Rashmi Pant, and Gerard J. Allan. 1998. Hybrid speciation in *Encelia virginensis* (Asteraceae): Evidence from multiple ITS chimeras. Society for Systematic Biology, Annual Meeting (poster presented by the coauthors).
35. Carpenter, Kevin J., and Curtis Clark. 1999. Comparative morphology of disk floret trichomes of *Encelia* (Asteraceae). XVI International Botanical Congress, St. Louis, MO. (poster)
36. Tulig, Melissa, and Curtis Clark. 2000. Morphological Variation in *Mimulus* section *Diplacus* (Scrophulariaceae). American Society of Plant Taxonomists, Annual Meeting (poster, presented by the first author).

EDUCATIONAL PUBLICATIONS

1. Clark, Curtis. 1981. Why do scientific names have those curious abbreviations after them? *Crossosoma* 7(3):10.
2. Clark, Curtis. 1982. What is a type specimen? *Crossosoma* 8(4):4-6.
3. Clark, Curtis. 1983. Uses of computers in plant taxonomy. *Crossosoma* 9(1):24-25.
4. Clark, Curtis. 1983. Everything you wanted to know about writing for *Crossosoma*, but were afraid to ask. *Crossosoma* 9(3):1-2.
5. Clark, Curtis. 1984. Looking at plant names. *Crossosoma* 10(4):7-8.
6. Clark, Curtis, and Gery Allan. 1992-1997. Plant morphology: BOT 125 laboratory and study guide. Privately published.

7. Clark, Curtis. 1995. Natural history of the trees of the Celtic Ogham. Circle Network News 17(2):12-13 (Issue 56, Summer 1995).
8. Clark, Curtis. 1997-present. Plant morphology: BOT 125 laboratory and study guide, 2nd and 3rd editions. Privately published.

WORLD WIDE WEB PUBLICATIONS

1. Clark, Curtis. 1995. The California Poppy and its relatives. This site is indexed by CSUBioWeb. <http://www.csupomona.edu/~jcclark/poppy/>
2. Clark, Curtis. 1995. The genus *Encelia*. <http://www.csupomona.edu/~jcclark/encelia/>
3. Clark, Curtis. 1995. Vascular Plants of the Undeveloped Areas of California State Polytechnic University, Pomona. <http://www.csupomona.edu/~jcclark/more/vpcp.html>
4. Clark, Curtis. 1995. Natural History of the Trees of the Celtic Ogham. <http://www.csupomona.edu/~jcclark/ogham/ogh-tree.html>
5. Clark, Curtis. 1998. The Wildlands of Cal Poly Pomona. <http://www.csupomona.edu/~jcclark/wildlands/>

COMPUTER SOFTWARE

1. Clark, Curtis. 1988. Corn (Version 1.0): A program demonstrating the classic dihybrid cross in corn endosperm. Freeware, distributed by the author and by the Association of Biologists for Computing lending library (<ftp://nic.csu.net>).
2. Clark, Curtis, and Jaime Tres. 1988. Maiz (Version 1.0): Identical to Corn, *pero en español*. Freeware, distributed by the author and by the Association of Biologists for Computing lending library (<ftp://nic.csu.net>).
3. Clark, Curtis. 1989. Scheda (version 1.3): A program for preparing herbarium specimen labels. Freeware, distributed by the author and by the Association of Biologists for Computing lending library (<ftp://nic.csu.net>).
4. Clark, Curtis. 1993, 1995. Pie Charts for Maps (Version 1.0, 1.1): A TrueType font. Freeware, distributed by the author and by the Winsite archive (<http://www.winsite.com>) and other Internet archives.
5. Clark, Curtis. 1995. Moon Phases (Version 1.0): A TrueType font. Freeware, distributed by the author and by the Winsite archive (<http://www.winsite.com>) and other Internet archives.
6. Clark, Curtis. 1996. Female and Male Symbols (Version 1.0): A TrueType font. Freeware, distributed by the author.

RESEARCH GRANTS

1. Clark, Curtis. 1970. NSF Grant-in-Aid (University of Oklahoma Biological Station): Behavioral studies of the cotton rat (*Sigmodon hispidus*). (\$250)
2. Clark, Curtis. 1972. Oklahoma Biological Survey Research Grant: Collections of *Lesquerella* (Cruciferae) in Oklahoma. (\$150)
3. Clark, Curtis. 1976. Sigma Xi Grant-in-Aid of Research: Experimental systematic studies of *Eschscholzia* (Papaveraceae). (\$200)
4. Clark, Curtis. 1977. NSF Doctoral Dissertation Research Grant DEB 77-02234: Experimental systematic studies of *Eschscholzia* (Papaveraceae). (\$1750)
5. Clark, Curtis. 1980. Affirmative Action Faculty Development Grant: Scanning electron microscopic studies of *Encelia* (Compositae). (\$635, 4 Weighted Teaching Units)
6. Clark, Curtis. 1980. Institute for Cellular and Molecular Biology Research Grant: Study of the glandular leaf trichomes of *Encelia* (Compositae). (\$800)
7. Clark, Curtis. 1981. Cal Poly Kellogg Unit Foundation Educational Grant: Field studies of *Encelia* (Compositae). (\$175)
8. Clark, Curtis. 1983. Cal Poly Kellogg Unit Foundation Educational Grant: Purchase of climatic database computer tape. (\$300)
9. Clark, Curtis. 1983. Cal Poly Kellogg Unit Foundation Seed Grant: Systematic studies of *Encelia* (Asteraceae) and related genera. (\$300)
10. Clark, Curtis. 1983. Affirmative Action Faculty Development Grant: Systematic studies of *Encelia* (Asteraceae) and related genera. (\$395)
11. Clark, Curtis. 1985. Cal Poly Kellogg Unit Foundation Seed Grant: Systematic studies of *Helianthella* (Asteraceae). (\$600)
12. Baskin, Jonatahn N., Curtis Clark, and Stephen H. Bryant. 1985. NSF College Science Instrumentation Program grant: Microcomputer-based laboratories in college biology. (\$45,419)
13. Clark, Curtis. 1986. Cal Poly LandLab Research Grant: Phylogenetic engineering of brittlebush (*Encelia* spp.) for revegetation and slope stabilization. (\$3100)
14. Quinn, Ronald J., Curtis Clark, David J. Moriarty, Laszlo Szijj, Daniel Stiffler, and Glen Stewart. 1986. Cal Poly LandLab Research Grant: Responses of the biota of the Cal Poly campus to a sanitary landfill and other urban land uses. (\$38,000)
15. Clark, Curtis. 1987. Cal Poly LandLab Research Grant: Phylogenetic engineering of brittlebush (*Encelia* spp.) for revegetation and slope stabilization. (second-year renewal, \$2462)

16. Quinn, Ronald J., Curtis Clark, David J. Moriarty, Laszlo Szijj, Daniel Stiffler, and Glen Stewart. 1987. Cal Poly LandLab Research Grant: Responses of the biota of the Cal Poly campus to a sanitary landfill and other urban land uses. (second-year renewal, ca. \$38,000)
 17. Bryant, Stephen H., Curtis Clark, and Jonathan N. Baskin. 1987. Cal Poly Kellogg Unit Foundation Special Funding Project: Instrumentation Program Grant. (\$3800)
 18. Bryant, Stephen H., Curtis Clark, and Jonathan N. Baskin. 1988. Non-Formula-Based Instructional Equipment Lottery Matching Funds: Microcomputer-Based Laboratories. (\$47,550)
 19. Clark, Curtis. 1988. Cal Poly Kellogg Unit Foundation Educational Grant: Camera Attachment for Scanning Electron Microscope. (\$1800)
 20. Quinn, Ronald J., Curtis Clark, David J. Moriarty, Laszlo Szijj, Daniel Stiffler, and Glen Stewart. 1988. Cal Poly LandLab Research Grant: Responses of the biota of the Cal Poly campus to a sanitary landfill and other urban land uses. (third-year renewal, \$25,254)
 21. Clark, Curtis. 1988. Cal Poly LandLab Research Grant: Phylogenetic engineering of brittlebush (*Encelia* spp.) for revegetation and slope stabilization. (third-year renewal, \$1772)
 22. Clark, Curtis. 1989. Cal Poly LandLab Research Grant: Phylogenetic engineering of brittlebush (*Encelia* spp.) for revegetation and slope stabilization. (fourth-year renewal, no additional funding)
 23. Clark, Curtis. 1991. Cal Poly Faculty Professional Development Mini-grant. (\$350)
 24. Clark, Curtis. 1994. Cal Poly LandLab Research Grant: Recovery of Coastal Sage Scrub in the Cal Poly Hills After a Fire. (\$2300)
 25. Stiffler, Daniel F., Stephen H. Bryant, Curtis Clark, Michael L. Keith, and David J. Moriarty. 1997. Assessment of Quantitative Learning in the Biological Sciences.
 26. Stiffler, Daniel F., Stephen H. Bryant, Curtis Clark, Michael L. Keith, and David J. Moriarty. 1998. Competitive Renewal: Assessment of Quantitative Learning in the Biological Sciences.
- 1987 - R. D. Jablonsky, Inc.: Forensic botany, civil case.
 - 1990 - Gerald A. Gornik, Attorney at Law: Forensic botany, criminal case.
 - 1990 - Turnbull Skyline, Inc.: Plant identification.
 - 1991 - Crawford, Bacon, Bangs, & Briesemeister: Forensic botany, civil case.
 - 1991 - San Marino Environmental Associates: Reconnaissance of the vegetation of the upper Santa Clara River.
 - 1991 - San Marino Environmental Associates: Assessment of the impact of an oil spill on the willows and other vegetation of upper San Timoteo Creek.
 - 1991 - San Marino Environmental Associates: Survey of the vegetation of the north terrace of the Santa Clara River at the Valencia Water Reclamation Plant.
 - 1991 - West Covina Historical Society: Appearances before the West Covina City Council and Planning Commission in support of an ordinance to protect native stands of Southern California Black Walnut (*Juglans californica*).
 - 1991 - City of Walnut: Assessment of the effect of drainage modifications on a grove of Southern California Black Walnut (*Juglans californica*).
 - 1992 - San Marino Environmental Associates: Revegetation plan for terrace of Santa Clara River.
 - 1992 - San Marino Environmental Associates: Revegetation plan for the Valencia Water Reclamation Plant.
 - 1992 - San Marino Environmental Associates: Vegetation survey of the middle Santa Clara River.
 - 1992 - San Marino Environmental Associates: Assessment of the effects of a sodium hydroxide spill in Haskell Creek, Los Angeles Co.
 - 1992 - San Marino Environmental Associates: Expert testimony on delineation of riparian vegetation for California Department of Fish and Game arbitration.
 - 1993 - San Marino Environmental Associates: Revegetation of a pipeline repair on the Santa Clara River, eastern Ventura Co.
 - 1993 - San Marino Environmental Associates: Revegetation of Arroyo Simi adjacent to Tierra Rejada landfill, Ventura Co.
 - 1993 - San Marino Environmental Associates: Survey of sensitive plant species and communities in the vicinity of Santa Clarita, Los Angeles Co.
 - 1994 - San Marino Environmental Associates: Interpretation of aerial photographs of the Santa Clara River, Los Angeles and Ventura Cos.
 - 1994 - San Marino Environmental Associates: Study of the effects of oil cleanup activities on riparian vegetation along the Santa Clara River.

1984-present, numerous small grants obtained by students under my supervision, including Sigma Xi, Theodore Roosevelt, Hardman Foundation, etc., totalling approx. \$5000.

CONTRACTS AND CONSULTING

- 1983 - California Department of Parks and Recreation: Study of the factors influencing flowering of *Eschscholzia californica* at the Antelope Valley California Poppy Reserve.

- 1995 - Citizens Against Price-Costco: Review of botanical portion of Environmental Impact Report.
- 2000 – San Marino Environmental Associates: Evaluation of documents relating to oil spill on the Santa Clara River.
- 2000 – San Marino Environmental Associates: Vegetation mapping of the region of the I-5 bridge crossing of the Santa Clara River.
- 2001 - San Marino Environmental Associates: Endangered plant species survey in Valencia.
- 2001 - Private party: Review of development plans along San Dimas Creek.
- 2001 - Summer Web Institute with Mentoring (SWIM 2001), August bootcamp (with Judi Sanders).
- 1997-2001 Computer workshops for Faculty Computing Support Center: Adding sound to your web page, Intermediate Eudora Pro, Introduction to Adobe Acrobat, Introduction to Eudora Pro, Introduction to useful CGI programs, Introduction to Windows 95, Introductory Web Page Design, PageMill 2.0, Uploading and Downloading Files, Using email discussion lists, Web page accessibility.

INVITED SEMINARS

1. Clark, Curtis. 1980. November. Plants of Baja California. Cal Poly Pomona (Field Botany Club).
2. Clark, Curtis. 1981. November. Chemical constituents of *Encelia* trichomes. Cal Poly Pomona (Institute for Cellular and Molecular Biology lunch seminar).
3. Clark, Curtis. 1982. June. Plant morphogenesis: biology of nyctinasty. Cal Poly Pomona (Institute for Cellular and Molecular Biology Journal Club).
4. Clark, Curtis. 1983. March. Hybridization in *Encelia* (Compositae: Heliantheae) and its effect on phylogenetic analysis. Cal Poly Pomona (Biological Sciences Faculty Research Seminar).
5. Clark, Curtis. 1983. April. Using CYBER word-processing programs. Cal Poly Pomona (Biolunch seminar).
6. Clark, Curtis. 1984. January 19. Hybridization in *Encelia* (Asteraceae: Heliantheae) and its effect on phylogenetic analysis. University of California, Davis (Botany 222 speaker).
7. Clark, Curtis. 1984. March 12. Selection against hybrid recombinants as a reproductive isolating mechanism: the syngameon reassessed. San Diego State University (departmental seminar).
8. Clark, Curtis. 1985. February 8. Cladistics for real: The systematics of *Encelia* (Asteraceae: Heliantheae). Rancho Santa Ana Botanic Garden, Claremont, CA (weekly seminar series).
9. Clark, Curtis. 1985. November 16. Peripatric speciation and the origin of crop plants. Seventh Symposium of Man, Department of Anthropology, California State University, Fullerton.
10. Clark, Curtis. 1987. May 1. Techniques for preparing projection slides for scientific presentations. Rancho Santa Ana Botanic Garden, Claremont CA.
11. Clark, Curtis. 1988. November 17. Phylogenetic engineering of brittlebush for revegetation and slope stabilization. California State Polytechnic University, Pomona (Spadra Showcase - research and development projects involving Spadra landfill).

COURSES TAUGHT

University of California, Davis: Plant Systematics, General Botany.

California State Polytechnic University, Pomona: Advanced Plant Taxonomy, Advanced Topics in Evolutionary Biology, Bioethics, Biological Data Acquisition, Biological Systematics, California Flora, Computer Applications in Biology, Evolution of Plants, Field Botany, Graphic Techniques for Biologists, Graphic Publication for Biologists, Life Science Lab, Mechanisms of Speciation, Microcomputer Applications in Biology, Paleobiology, Paleobotany, Plant Anatomy, Plant Biosystematics, Plant Genetics, Plant Morphology, Plant Structures and Functions, Plant Taxonomy, Preparing a Paper for a Scientific Meeting, Preparing a Poster for a Scientific Meeting, Principles of Evolution, Scientific Communication I, Scientific Communication II, Scientific Integrity.

Rancho Santa Ana Botanic Garden: Plant Speciation.

WORKSHOPS TAUGHT

- 1996 - Developing Content for Your Course Web Pages (12/12)
- 1997 - The Sunflower Family (Rancho Santa Ana Botanic Garden, spring semester)
- 1997 - Summer Web Institute with Mentoring (SWIM97), with Susan Kullman Puz.
- 1998 - Summer Web Institute with Mentoring (SWIM98), Science and Engineering, with Susan Kullman Puz.
- 1998 - Summer Web Institute with Mentoring (SWIM98), Pre-professional Studies, with Susan Kullman Puz.
- 1999 - Summer Web Institute with Mentoring (SWIM99), Pre-professional Studies, with Susan Kullman Puz.
- 1999 - Summer Web Institute with Mentoring (SWIM99), Math, Science, and Engineering, with Susan Kullman Puz.
- 2000 - Summer Web Institute with Mentoring (SWIM99), with Judi Sanders.

12. Clark, Curtis. 1990. November 13. Endangered species: Will there be a tomorrow? Panel discussion at California State Polytechnic University, Pomona.
 13. Clark, Curtis. 1992. October 24. How dry is a drought? Eighteenth Annual Symposium, Southern California Botanists.
 14. Clark, Curtis. 1995. March 11. The genus *Eschscholzia*. Symposium: Out of the Wild and Into the Garden. Rancho Santa Ana Botanic Garden, Claremont CA.
 15. Clark, Curtis. 1995. May 18. Brittlebushes, Poppies, and Giant Reed: DNA at RSA. Rancho Santa Ana Botanic Garden, Claremont, CA (weekly seminar series).
 16. Clark, Curtis. 1996. March 13. Evidence for homoploid hybrid speciation in *Encelia* (Asteraceae: Heliantheae). California State University, Fullerton, CA (weekly seminar series).
 17. Clark, Curtis. 1996. June 6. The Southern California Black Walnut. Walnut Valley Area Chamber of Commerce breakfast meeting.
 18. Clark, Curtis. 1997. May 24. Phylogeny and adaptation in the *Encelia* alliance (Asteraceae: Heliantheae). "Evolution and Taxonomy of Southwestern Plants", Thirteenth Annual Southwestern Botanical Systematics Symposium, Rancho Santa Ana Botanic Garden, Claremont, CA.
 19. Clark, Curtis. 1999. March 5. Finding the right tools: Technology in a biology lab course. Keynote address at "Teaching and Learning with Technology: What Works and How Do You Know", Third Annual Technology Showcase, Teaching, Learning & Technology Roundtable, California State University, Sacramento.
- 1978 - **Sonoran and Mojave deserts (California):** Collections of *Eschscholzia*.
 - 1978 - **México (Sonora, Baja California), Arizona:** Collections of *Encelia*, plant ecology field study.
 - 1979 - **México (Sonora), Arizona, California:** Collections of *Encelia*, plant ecology field study.
 - 1980 - **México (Baja California), California, Nevada:** Collections of *Encelia*, plant ecology field study.
 - 1981 - **México (Baja California), California, Arizona, Utah, Nevada:** Collections of *Encelia*, plant ecology field study.
 - 1982 - **México (Baja California):** Collections of *Encelia*, plant ecology field study.
 - 1983 - **Arizona:** Plant ecology field study in Organ Pipe Cactus National Monument, Sycamore Canyon.
 - 1983 - **California:** Tetracoccus Ridge, Death Valley National Monument.
 - 1983 - **Nevada, Utah:** Collections of *Enceliopsis*, plant ecology field study.
 - 1985 - **Arizona, New Mexico, Colorado, Utah.** Field study of *Helianthella*.
 - 1988 - **Western Mojave Desert (California):** Field study of *Eschscholzia*.
 - 1989 - **Western Mojave Desert (California):** Field study of *Eschscholzia*.
 - 1989 - **México (Baja California):** Collections of *Encelia* in Sierra Vizcaíno.
 - 1992 - **California, Arizona, Nevada, Utah:** Collections of *Encelia*.
 - 1994 - **México (Baja California):** Collections of *Encelia*.
 - 1995 - **California:** Collections of *Eschscholzia*.
 - 1995 - **San Clemente Island (California):** Collections of *Eschscholzia*, *Encelia*.
 - 1996 - **San Clemente Island (California):** Collections of *Eschscholzia*, *Encelia*.
 - 1998 - **San Clemente Island (California):** Assisting field research on *Lotus*, *Brodiea*, *Triteleia*.

1981 - present, repeated class field trips to eastern Mojave Desert, western Mojave Desert, Palomar Mountain (**California**).

FIELD EXPERIENCE

- 1971 - **Texas, New Mexico, Arizona:** Plant ecology field study trip.
- 1971 - **Colorado, Wyoming:** Study of pika vocalizations in the alpine zone.
- 1972 - **Colorado:** Study of pika vocalizations in the alpine zone.
- 1973 - **México (Coahuila, Jalisco, Colima):** Ornithology field study trip.
- 1973 - **Oklahoma:** Collections of *Lesquerella engelmannii*.
- 1974 - **Oklahoma, Texas, Kansas, Colorado:** Collections of *Lesquerella engelmannii*.
- 1975 - **Sonoran Desert (California, Arizona):** Plant ecology field study.
- 1976 - **Sonoran and Mojave deserts (California, Arizona):** Collections of *Eschscholzia*.
- 1977 - **Sonoran and Mojave deserts (California, Arizona):** Collections of *Eschscholzia*.