

# Journal of Melittology

Bee Biology, Ecology, Evolution, & Systematics

*The latest buzz in bee biology*

No. 17, pp. 1–22

9 September 2013

## BIOGRAPHY

### In memoriam: Wallace Edmund LaBerge (1927–2013)

Claus Rasmussen<sup>1</sup>, Victor H. Gonzalez<sup>2</sup>,  
Michael S. Engel<sup>3</sup>, & Charles D. Michener<sup>3</sup>

**Abstract.** A brief account of the life and career of Wallace Edmund LaBerge (1927–2013) is presented along with a compilation of his publications and taxa proposed. In total 326 publications and 1 family-group, 46 genus-group, and 206 species-group names are listed, as well as seven cases of eponymy.

---

This issue is dedicated to the memory of Wallace Edmund LaBerge (Fig. 1) (7 February 1927–22 July 2013), an American entomologist best known for his monumental works on the systematics of *Andrena* Fabricius (Andrenidae) and *Melissodes* Latreille (Apidae). We commemorate his life by presenting a brief account of his career as well as a summary of his contributions to melittological science.

LaBerge was born in Grafton, North Dakota, and obtained both his Bachelor and Master degrees in Zoology from the nearby University of North Dakota, Grand Forks, in 1949 and 1951, respectively, and developed an interest in the systematics of ants (Formicidae). He was the second of seven children and married Elizabeth “Betty” LaMont, a native of Grafton, on 9 August 1958. Following his M.Sc. degree, LaBerge was hired as research assistant at the University of Kansas, Lawrence, under the supervision of Charles D. Michener. LaBerge enrolled in the Ph.D. program in Entomology and was initially interested in continuing his ant studies from North Dakota. However, he took on a project within bee systematics, just like the other two students in Michener’s lab: Jerome G. Rozen, Jr. (Bachelor in 1950 with a comparative morphologi-

---

<sup>1</sup> Department of Bioscience, Aarhus University, Ny Munkegade 114, Bldg. 1540, DK-8000 Aarhus, Denmark (alrunen@yahoo.com).

<sup>2</sup> Department of Biological Sciences, Southwestern Oklahoma State University, 100 Campus Drive, Weatherford, Oklahoma 73096, USA (victorgonzab@gmail.com).

<sup>3</sup> Division of Entomology, Natural History Museum, and Department of Ecology & Evolutionary Biology, 1501 Crestline Drive – Suite 140, University of Kansas, Lawrence, Kansas 66045, USA (msengel@ku.edu, michener@ku.edu).

cal study of andrenid genitalia) and William P. Stephen [Ph.D. in 1952 with a revision of *Colletes* Latreille (Colletidae)]. LaBerge earned his Ph.D. with a systematic revision of *Melissodes* in 1955 and, immediately after graduation, was hired as Assistant Professor and Museum Curator at the University of Kansas, basically assuming Michener's duties during the latter's sabbatical in Brazil. It was at the end of this period in Kansas that LaBerge met the influential Brazilian bee taxonomist, Jesus Santiago Moure (1912–2010) (Engel *et al.*, 2012). LaBerge was very fond of Moure, often mentioning how much he liked him as a person and scientist. They co-authored a few papers and maintained a continuous communication for several years, exchanging life experiences and their interests in bees. In a letter sent to Moure on 11 April 1958, LaBerge wrote:

“I am planning to be married in the beginning of August. I have found a lovely girl in my home town who grew up while I was away. A romance carried on in spite of over 600 miles must, necessarily, be mediated largely by the postal Dept. She likes to travel as much as I, so perhaps after a year or two a trip to Brasil may be feasible...”.

In 1956, LaBerge moved to Ames, Iowa, where he worked as Assistant Professor in zoology at Iowa State University until 1959. Then, from 1959 to 1965, LaBerge moved to Lincoln, Nebraska, where he worked as Associate Professor in entomology at the University of Nebraska. There, his three children were born. In 1965, LaBerge finally moved to Champaign, Illinois, where on 1 September he joined the Illinois Natural History Survey (INHS) first as Associate Taxonomist and then as Professional Scientist (Fig. 2). He remained at the INHS until his retirement in 1994. In addition to his primary positions he was also appointed as Adjunct Professor in entomology at the University of Illinois (1969), and served as acting chief (1980–1981) and section head (1979–1989) of the survey. He also served in 1982 as Program Director of Systematic Biology at the National Science Foundation in Washington, D.C.

LaBerge contributed extensively to our understanding of New World bees. The majority of his publications are on the systematics of bees but some focus on his initial passion, ants, as well as wasps and diverse aspects of bee biology including pollination. He also wrote numerous reports on diverse organisms and topics (Appendix I). His revisions on *Melissodes*, and in particular, *Andrena*, the latter of which were published over many years beginning in 1964 and completed decades later, are simply outstanding. They include the study of a tremendous amount of material (nearly 170,000 specimens in total) that he carefully examined to understand morphological variations and species limits. Every single specimen bears an individual identification label and this material may be found in institutions throughout North America and, in fact, in many foreign repositories. This has allowed other researchers to keep track of the specimens he studied when confirming identifications, and particularly when testing species concepts and hypotheses. His descriptions are quite detailed and often well-illustrated with line-drawings, facilitating species identification of these diverse and taxonomically challenging genera. He made an amazing effort to record and analyze floral relationships, biogeographical patterns, as well as variation in some morphological characters for each species. Because of the depth and degree of detail in his work, he was able to stabilize the circumscription of many species in addition to the discovery of more than 100 new species in *Andrena* and 59 in *Melissodes* (Appendix II). A tremendous enhancement of his papers was made by the inclusion of keys to the numerous species, and these he sometimes corrected or updated in subsequent papers. In addition, he made attempts to understand the phylogenetic relationships of the spe-



**Figure 1.** Wallace E. LaBerge (1927–2013) in 1981 (photograph courtesy of the Illinois Natural History Survey Library).



**Figure 2.** Clockwise from upper left: Wallace E. LaBerge (1927–2013) in his office at the Illinois Natural History Survey; after a day in the field with John C. Marlin in 1976; at his retirement party in 1994; and in the collections of the Illinois Natural History Survey in 1986 (photographs courtesy of the Illinois Natural History Survey Library).

cies and subgenera of these lineages, a particularly challenging process for groups that are so diverse and sometimes quite homogeneous in many characters, and was among the few melittologists of the day coding characters for such analyses. Interestingly, several of the relationships he recovered and proposed have been corroborated by more recent analyses (*e.g.*, Dubitzky *et al.*, 2010). Amazingly, despite the amount of time required to tease out the complexities of genera such as *Andrena* and *Melissodes*, LaBerge was able to devote his energies and talents to other groups as well, producing equally important works such as that on *Tetraloniella* Ashmead (Apidae). LaBerge had also planned to work on other North American genera as evidenced by several manuscript names associated with specimens in insect collections. For example, he intended to revise the genus *Anthidium* Fabricius (Megachilidae) for North America with Elbert R. Jaycox (1923–2004), Professor of Apiculture and close colleague from the University of Illinois.

LaBerge was able to train and mentor several graduate students, among which were Adolfo Molina-Pardo (Ph.D., 1973), John C. Marlin (M.Sc., 1973), Lloyd R. Davis, Jr. (M.Sc., 1974), Martha N. Schrader (M.Sc., 1977), Eugene R. Miliczky (Ph.D., 1985), and Steven L. Heydon (Ph.D., 1988). His students remember him as a quiet, kind, and honest man. One of them still remembers the day when he asked him to be his advisor in a systematic project. “He looked at me and told me: you are welcome to work with me, but you probably won’t find a job”. Definitely not the most encouraging start, but LaBerge was sincere about the difficult job market faced by professional systematists;

however, he proved to be wrong because his students went on to successful careers.

LaBerge was as committed to his students as he was to research. He helped them in any way he could to promote their academic and personal development and success. He knew the importance of mentoring and the impact this activity could have to future generations. For example, in another letter sent to Moure on 28 August 1970, LaBerge wrote:

“A Columbian [sic] student, Adolfo Molina, came to me last year to learn something about bee systematics. He has since studied the classification of bees, learned to recognize the genera and studied the species of *Xylocopa* in our collection...I hope to cultivate Adolfo's interest in systematics before he returns to Columbia. It could be important to have a Melittologist collecting in that area”.

No doubt that LaBerge was successful at cultivating Molina's interest in bees and in passing on his knowledge. Molina completed his Ph.D. by studying the phylogenetic relationships of some subgenera of *Andrena* using phenetic methods. Once back in Colombia, Molina became a professor at the Universidad Nacional de Colombia, Medellín, and facilitated early studies of the native bee fauna by assisting Guiomar Nates Parra, a honey bee geneticist who had also recently returned to Colombia and become interested in native bees (Gonzalez & Engel, 2013). Thus, arguably, the growing bee research that we see today with Colombia's rich bee fauna was in part inspired by LaBerge. The same may also be said for systematic melittology in Mexico as it was LaBerge who first cultivated the professional interests of Ricardo Ayala and assisted him in developing his start in bee taxonomy.

LaBerge was known as “Wally” by his friends and colleagues, and we can only concur that he was a person very willing to share his knowledge, kindly helping to identify specimens and sharing stories from his long career as a bee systematist. His academic standards were very high and once it became difficult for him to achieve such a standard due to health issues, he stopped publishing, focusing instead on his retirement and humanistic projects, such as Habitat for Humanity. His last publications on the systematics of *Andrena* were with Robbin W. Thorp, Professor Emeritus of the University of California, Davis. These contributions concluded a very long and important revision of the genus that began as a prodromus 41 years earlier. The publication from 2012 (Appendix I) was based on the identifications he had made years prior.

LaBerge was a committed Catholic and a member of the St. Patrick's Church community, where he was elected to the Parish Council and served as a Eucharistic minister. He was a devoted father and grandfather who played piano and enjoyed gardening, baking, and working at home. He also enjoyed nature and often took his family on road trips to Colorado, California, and North Dakota. LaBerge passed away peacefully at the age of 86 at Carle Foundation Hospital, Urbana, surrounded by family. He is survived by his brothers (Tom, Dick, and Donny), his sisters (Frances and Suzanne), his son (Daniel), two daughters (Lesle and Laura), and three grandchildren. Several bees have been named in honor of LaBerge, along with one leaf beetle and one mite (Appendix III).

#### ACKNOWLEDGEMENTS

We are thankful to Elizabeth Wohlgemuth, INHS Library, for providing the photographs used herein; to Steven L. Heydon, Bohart Museum of Entomology, for comments and sugges-

tions; and to Ricardo Ayala for some of his personal memories. Some of the personal aspects of LaBerge mentioned were taken from the Entomology Newsletter, Department of Entomology of the University of Illinois at Urbana-Champaign and from an obituary in the *The News-Gazette* (25 July 2013), both of which were expanded with information from the Renner-Wikoff Chapel and Crematory. The latter obituary was written by the LaBerge family and was based partly on the information compiled by the late Donald W. Webb (1939–2012) when he nominated LaBerge for the Thomas Say Award of the Entomological Society of America.

#### REFERENCES

- Dubitzky, A., J. Plant, & K. Schönitzer. 2010. Phylogeny of the bee genus *Andrena* Fabricius based on morphology (Hymenoptera: Andrenidae). *Mitteilungen Münchener Entomologischen Gesellschaft* 100: 137–202.
- Elzinga, R.J. 1982. The genus *Antennequesoma* (Acari: Uropodina) and descriptions of four new species. *Acarologia* 23(4): 319–325.
- Engel, M.S., D. Urban, F.F. de Oliveira, & I. Alves-dos-Santos. 2012. In memoriam: Jesús Santiago Moure (1912–2010). *Journal of the Kansas Entomological Society* 85(1): 65–83.
- Gonzalez, V.H., & M.S. Engel. 2013. Maria Guiomar Nates-Parra: Biographical sketch and summary of contributions to the melittological knowledge of Colombia. *Journal of Melittology* 6: 1–7.
- Gonzalez, V.H., & T. Griswold. 2013. Wool carder bees of the genus *Anthidium* in the Western Hemisphere (Hymenoptera: Megachilidae): Diversity, host plant associations, phylogeny, and biogeography. *Zoological Journal of the Linnean Society* 168(2): 221–425.
- Gusenleitner, F. 1998. Neue westpaläarktische *Andrena*-Arten (Hymenoptera: Apidae: Andreninae). *Entomofauna* 19(6): 109–144.
- Hirashima, Y., & M. Abe. 2011. Bees of the genera *Xenorhiza* Michener and *Palaeorhiza* Perkins (Hymenoptera: Colletidae) of Papua New Guinea collected by Dr. W.J. Pulawski of the California Academy of Sciences. *Entomological Science* 14(3): 309–318.
- Moldenke, A.R. 1981. A generic reclassification of the New World Clytrinae (Coleoptera: Chrysomelidae) with a description of new species. *Entomologische Arbeiten aus dem Museum G. [Georg] Frey, Tutzing bei München* 29–30: 75–116.
- Ribble, D.W. 1968. Revisions of two subgenera of *Andrena*: *Micrandrena* Ashmead and *Derandrena*, new subgenus (Hymenoptera: Apoidea). *Bulletin of the University of Nebraska State Museum* 8(5): 237–394.
- Timberlake, P.H. 1960. A revisional study of the bees of the genus *Perdita* F. Smith, with special reference to the fauna of the Pacific coast (Hymenoptera, Apoidea). Part IV. *University of California Publications in Entomology* 17(1): 1–156.

## APPENDIX I

## Publications of Wallace E. LaBerge

Here is compiled a complete list of the 326 known published writings of Wallace E. LaBerge. Included are numerous reports compiled by LaBerge and appearing in the *Illinois Natural History Survey Reports*. These reports indicate authorship on the back cover and also allude to unnamed contributors who presumably assisted the lead author(s) to varying degrees (either by providing ideas, information, or perhaps even entire paragraphs). Where more than one individual is specifically identified, we have included them as an author of the articles in the reports.

1. LaBerge, W.E. 1952. Locality records of two ants found in Kansas. *Journal of the Kansas Entomological Society* 25(2): 59.
2. LaBerge, W.E. 1953. A note on a phorid parasite of *Pheidole dentata* Mayr. *Journal of the Kansas Entomological Society* 26(2): 69.
3. Michener, C.D., & W.E. LaBerge. 1954. A large *Bombus* nest from Mexico. *Psyche* 61(2): 63–67.
4. LaBerge, W.E. 1955. Bees of the genus *Anthedonia* Michener in North America (Hymenoptera, Apidae). *Journal of the Kansas Entomological Society* 28(4): 132–135.
5. Michener, C.D., W.E. LaBerge, & J.S. Moure. 1955a. Canephorulini, a tribe of South American bees (Hymenopt.-Apoidea). *Dusenian* 6(5): 207–212.
6. Michener, C.D., W.E. LaBerge, & J.S. Moure. 1955b. Some American Eucerini bees. *Dusenian* 6(6): 213–230.
7. LaBerge, W.E. 1956a. A revision of the bees of the genus *Melissodes* in North and Central America. Part I (Hymenoptera, Apidae). *University of Kansas Science Bulletin* 37(18): 911–1194.
9. LaBerge, W.E. 1956b. Catalogue of the types in the Snow Entomological Museum. Part I (Hymenoptera). *University of Kansas Science Bulletin* 38(7): 501–514.
8. LaBerge, W.E. 1956c. A revision of the bees of the genus *Melissodes* in North and Central America. Part II (Hymenoptera, Apidae). *University of Kansas Science Bulletin* 38(8): 533–578.
10. LaBerge, W.E. 1957. The genera of bees of the tribe Eucerini in North and Central America (Hymenoptera, Apoidea). *American Museum Novitates* 1837: 1–44.
11. LaBerge, W.E. 1958a. Notes on the genus *Gaesischia* Michener, LaBerge and Moure, with descriptions of a new species and subgenus from México. *Pan-Pacific Entomologist* 34(4): 195–202.
12. LaBerge, W.E. 1958b. Notes on the North and Central American bees of the genus *Svastra* Holmberg (Hymenoptera: Apidae). *Journal of the Kansas Entomological Society* 31(4): 266–273.
13. LaBerge, W.E. 1960. Pollination of alfalfa by native insects. *Nebraska Experiment Station Quarterly, University of Nebraska* 8(1): 20.
14. LaBerge, W.E. 1961. A revision of the bees of the genus *Melissodes* in North and Central America. Part III (Hymenoptera, Apidae). *University of Kansas Science Bulletin* 42(5): 283–663.
15. LaBerge, W.E. 1962. Neotype designation for *Melissodes leprieuri* Blanchard (Hymenoptera: Apoidea). *Entomological News* 73(6): 164–165.
16. LaBerge, W.E., & J.S. Moure. 1962. Type specimens of American eucerine bees deposited in the British Museum (Hymenoptera-Apoidea). *Boletim da Universidade do Paraná, Zoologia* 1(11): 1–12.
17. LaBerge, W.E., & M.C. Webb. 1962. The bumblebees of Nebraska. *University of Nebraska College of Agriculture, Agricultural Experiment Station Research Bulletin* 205: 1–38.
18. LaBerge, W.E. 1963a. *Melissodes fonscolombeii* Romand, 1841 (Insecta, Hymenoptera); proposed suppression under the plenary powers as a *nomen dubium*. *Bulletin of Zoological Nomenclature* 20(4): 292–293.
19. LaBerge, W.E. 1963b. New species and records of little-known species of *Melissodes* from North America (Hymenoptera: Anthophoridae). *Bulletin of the University of Nebraska State Museum* 4(10): 227–242.

20. LaBerge, W.E. 1963c. Records of the genus *Svaestra* in North America with the description of a new species (Hymenoptera: Apidae). *Journal of the Kansas Entomological Society* 36(1): 52–56.
21. LaBerge, W.E. 1963d. [Book Review: *The Nest Architecture of the Sweat Bees (Halictinae), A Comparative Study of Behavior*]. *Entomological News* 74(5): 137–138.
22. LaBerge, W.E., & O.W. Isakson. 1963. The nest of *Lasioglossum (Chloralictus) zephyrus* (Smith) in Wyoming (Hymenoptera, Halictidae). *Entomological News* 74(5): 113–116.
23. LaBerge, W.E., & C.D. Michener. 1963. *Deltoptila*, a Middle American genus of anthophorine bees (Hymenoptera, Apoidea). *Bulletin of the University of Nebraska State Museum* 4(9): 211–225.
24. Hirashima, Y., & W.E. LaBerge. 1963. [Subgenus *Calomelissa* Hirashima et LaBerge, nov.]. In: Hirashima, Y., *Systematic and biological studies of the family Andrenidae of Japan (Hymenoptera, Apoidea)*. Part 2. Systematics, 2: 241–242. *Journal of the Faculty of Agriculture, Kyushu University* 12(4): 241–263.
25. LaBerge, W.E. 1964. Prodromus of American bees of the genus *Andrena* (Hymenoptera, Apoidea). *Bulletin of the University of Nebraska State Museum* 4(14): 279–316.
26. Hirashima, Y., & W.E. LaBerge. 1964. [Subgenus *Habromelissa* Hirashima et LaBerge, nov.]. In: Hirashima, Y., *Systematic and biological studies of the family Andrenidae of Japan (Hymenoptera, Apoidea)*. Part 2. Systematics, 4: 71–72. *Journal of the Faculty of Agriculture, Kyushu University* 13(1): 71–97.
27. LaBerge, W.E., & P.D. Hurd, Jr. 1965. A new subgenus and species of matinal *Andrena* from the flowers of *Sicyos* (Cucurbitaceae) in Mexico (Hymenoptera: Apoidea). *Pan-Pacific Entomologist* 41(3): 186–193.
28. LaBerge, W.E., O.W. Isakson, & W.R. Kehr. 1965. Native insects as pollinators of caged alfalfa clones and seedling performance of the progeny. *Journal of Economic Entomology* 58(1): 63–66.
29. Hirashima, Y., & W.E. LaBerge. 1965a. [Subgenus *Mitsukuriella* Hirashima et LaBerge, nov.]. In: Hirashima, Y., *Systematic and biological studies of the family Andrenidae of Japan (Hymenoptera, Apoidea)*. Part 2. Systematics, 5: 472. *Journal of the Faculty of Agriculture, Kyushu University* 13(3): 461–491.
30. Hirashima, Y., & W.E. LaBerge. 1965b. [Subgenus *Stenomelissa* Hirashima et LaBerge, nov.]. In: Hirashima, Y., *Systematic and biological studies of the family Andrenidae of Japan (Hymenoptera, Apoidea)*. Part 2. Systematics, 6: 500–501. *Journal of the Faculty of Agriculture, Kyushu University* 13(3): 493–517.
31. LaBerge, W.E., & D.W. Ribble. 1966a. Biology of *Florilegus condignus* (Hymenoptera: Anthophoridae), with a description of its larva, and remarks on its importance in alfalfa pollination. *Annals of the Entomological Society of America* 59(5): 944–950.
32. LaBerge, W.E., & D.W. Ribble. 1966b. The nests and larvae of two species of *Agapostemon* (Hymenoptera: Halictidae). *Journal of the Kansas Entomological Society* 39(3): 467–472.
33. Kehr, W.R., & W.E. LaBerge. 1966. Cross-pollination of alfalfa in cages with honeybees. *Crop Science* 6(1): 91–93.
34. LaBerge, W.E. 1967. A revision of the bees of the genus *Andrena* of the Western Hemisphere. Part I. *Callandrena* (Hymenoptera: Andrenidae). *Bulletin of the University of Nebraska State Museum* 7: 1–318.
35. LaBerge, W.E., & D.F. Schoeneweiss. 1967a. Cereal leaf beetle invasion. *Illinois Natural History Survey Reports* 58: 1–2.
36. LaBerge, W.E., & D.F. Schoeneweiss. 1967b. Prairie chickens and redtop sod. *Illinois Natural History Survey Reports* 58: 2.
37. LaBerge, W.E., & D.F. Schoeneweiss. 1967c. Who needs it? *Illinois Natural History Survey Reports* 58: 2–3.
38. LaBerge, W.E., & D.F. Schoeneweiss. 1967d. Hybrid bass. *Illinois Natural History Survey Reports* 58: 3–4.
39. LaBerge, W.E., & D.F. Schoeneweiss. 1967e. Kissing bugs? *Illinois Natural History Survey Reports* 59: 1–2.



40. LaBerge, W.E., & D.F. Schoeneweiss. 1967f. Which wilt is which? *Illinois Natural History Survey Reports* 59: 2.
41. LaBerge, W.E., & D.F. Schoeneweiss. 1967g. Redressing the balance. *Illinois Natural History Survey Reports* 59: 2-3.
42. LaBerge, W.E., & D.F. Schoeneweiss. 1967h. Burglar-proof wood duck house. *Illinois Natural History Survey Reports* 59: 3-4.
43. LaBerge, W.E. 1968a. A new bee of the genus *Andrena* from India (Hymenoptera: Andrenidae). *The Entomologist* 101(1260): 101-104.
44. LaBerge, W.E. 1968b. Landlocked midges. *Illinois Natural History Survey Reports* 71: 1-2.
45. LaBerge, W.E. 1968c. Physical fitness in rabbits. *Illinois Natural History Survey Reports* 71: 2.
46. LaBerge, W.E. 1968d. Reciprocity. *Illinois Natural History Survey Reports* 71: 2-3.
47. LaBerge, W.E. 1968e. Longer pheasant season. *Illinois Natural History Survey Reports* 71: 3-4.
48. LaBerge, W.E. 1968f. No DDT. *Illinois Natural History Survey Reports* 71: 4.
49. LaBerge, W.E. 1969a. A revision of the bees of the genus *Andrena* of the Western Hemisphere. Part II. *Plastandrena*, *Aporandrena*, *Charitandrena*. *Transactions of the American Entomological Society* 95(1): 1-47.
50. LaBerge, W.E. 1969b. Lead crumpler losing? *Illinois Natural History Survey Reports* 79: 1-2.
51. LaBerge, W.E. 1969c. Oxbow soup. *Illinois Natural History Survey Reports* 79: 2.
52. LaBerge, W.E. 1969d. Documentary fishes. *Illinois Natural History Survey Reports* 79: 2-3.
53. LaBerge, W.E. 1969e. Prairie chicken decline halted? *Illinois Natural History Survey Reports* 79: 3-4.
54. LaBerge, W.E. 1969f. Virus disease of gladiolus. *Illinois Natural History Survey Reports* 81: 1-2.
55. LaBerge, W.E. 1969g. Water, oxygen and metals. *Illinois Natural History Survey Reports* 81: 2-3.
56. LaBerge, W.E. 1969h. Fly birth control. *Illinois Natural History Survey Reports* 81: 3.
57. LaBerge, W.E. 1969i. Major J.W. Powell. *Illinois Natural History Survey Reports* 81: 3.
58. LaBerge, W.E. 1969j. New angling. *Illinois Natural History Survey Reports* 83: 1-2.
59. LaBerge, W.E. 1969k. Insect informants. *Illinois Natural History Survey Reports* 83: 2.
60. LaBerge, W.E. 1969l. Corn pulling. *Illinois Natural History Survey Reports* 83: 2-3.
61. LaBerge, W.E. 1969m. Busy greenhouses. *Illinois Natural History Survey Reports* 83: 4.
62. LaBerge, W.E. 1969n. Nightmares and oddballs. *Illinois Natural History Survey Reports* 85: 1.
63. LaBerge, W.E. 1969o. Roadside pheasant farming. *Illinois Natural History Survey Reports* 85: 1-2.
64. LaBerge, W.E. 1969p. Pot thrips. *Illinois Natural History Survey Reports* 85: 2-3.
65. LaBerge, W.E. 1969q. Catfish-shiner. *Illinois Natural History Survey Reports* 85: 3-4.
66. LaBerge, W.E. 1970a. A new genus with three new species of eucerine bees from Mexico (Hymenoptera: Anthophoridae). *Journal of the Kansas Entomological Society* 43(3): 321-328.
67. LaBerge, W.E., & J.K. Bouseman. 1970. A revision of the bees of the genus *Andrena* of the Western Hemisphere. Part III. *Tylandrena*. *Transactions of the American Entomological Society* 96(4): 543-605.
68. LaBerge, W.E. 1970b. Bass-bluegill ecology. *Illinois Natural History Survey Reports* 87: 1-2.
69. LaBerge, W.E. 1970c. New mite, new site. *Illinois Natural History Survey Reports* 87: 2.
70. LaBerge, W.E. 1970d. Menu for spotted bass. *Illinois Natural History Survey Reports* 87: 2-3.
71. LaBerge, W.E. 1970e. Insect toxin baselines. *Illinois Natural History Survey Reports* 87: 3-4.
72. LaBerge, W.E. 1970f. Mr. butterfly of Illinois. *Illinois Natural History Survey Reports* 89: 1-2.
73. LaBerge, W.E. 1970g. Garden symphylans – control. *Illinois Natural History Survey Reports* 89: 2.
74. LaBerge, W.E. 1970h. Winterkill of fishes. *Illinois Natural History Survey Reports* 89: 2-4.
75. LaBerge, W.E. 1970i. Tell-tale body heat. *Illinois Natural History Survey Reports* 89: 4.
76. LaBerge, W.E. 1970j. Petty receives service award. *Illinois Natural History Survey Reports* 91: 1.
77. LaBerge, W.E. 1970k. Computer ecology. *Illinois Natural History Survey Reports* 91: 1-2.
78. LaBerge, W.E. 1970l. The year of the cicada. *Illinois Natural History Survey Reports* 91: 2-3.
79. LaBerge, W.E. 1970m. Environmental crisis week. *Illinois Natural History Survey Reports* 91: 3-4.
80. LaBerge, W.E. 1970n. Success story. *Illinois Natural History Survey Reports* 93: 1.
81. LaBerge, W.E. 1970o. Rare river-resident. *Illinois Natural History Survey Reports* 93: 1-2.
82. LaBerge, W.E. 1970p. Brown recluse in Illinois. *Illinois Natural History Survey Reports* 93: 2.

83. LaBerge, W.E. 1970q. Aquatic-weed control. *Illinois Natural History Survey Reports* 93: 2–4.
84. LaBerge, W.E. 1970r. Once upon a mutation. *Illinois Natural History Survey Reports* 95: 1–2.
85. LaBerge, W.E. 1970s. Raising fishes in cages. *Illinois Natural History Survey Reports* 95: 2–3.
86. LaBerge, W.E. 1970t. Dusky darter data. *Illinois Natural History Survey Reports* 95: 3–4.
87. LaBerge, W.E. 1970u. Insecticides in pheasant eggs. *Illinois Natural History Survey Reports* 95: 4.
88. LaBerge, W.E. 1970v. Hawthorn mealybug. *Illinois Natural History Survey Reports* 97: 1–2.
89. LaBerge, W.E. 1970w. Illinois birds. *Illinois Natural History Survey Reports* 97: 2.
90. LaBerge, W.E. 1970x. Sunfish isozymes. *Illinois Natural History Survey Reports* 97: 2–3.
91. LaBerge, W.E. 1970y. Winter survival. *Illinois Natural History Survey Reports* 97: 3–4.
92. LaBerge, W.E. 1971a. A new subgenus of *Andrena* found in California and Oregon (Hymenoptera: Apoidea). *Pan-Pacific Entomologist* 47(1): 47–57.
93. LaBerge, W.E. 1971b. A revision of the bees of the genus *Andrena* of the Western Hemisphere. Part IV. *Scrapteropsis*, *Xiphandrena* and *Rhaphandrena*. *Transactions of the American Entomological Society* 97(3): 441–520.
94. Ross, H.H., G.L. Rotramel, & W.E. LaBerge. 1971. A synopsis of common and economic Illinois ants, with keys to the genera (Hymenoptera, Formicidae). *Biological Notes, Illinois Natural History Survey* 71: 1–22.
95. LaBerge, W.E. 1971c. Wintertime culture of trout. *Illinois Natural History Survey Reports* 99: 1–2.
96. LaBerge, W.E. 1971d. Frog spots. *Illinois Natural History Survey Reports* 99: 2.
97. LaBerge, W.E. 1971e. Counting cottontails. *Illinois Natural History Survey Reports* 99: 2–4.
98. LaBerge, W.E. 1971f. Ducks on the wing. *Illinois Natural History Survey Reports* 101: 1–2.
99. LaBerge, W.E. 1971g. Ants in review. *Illinois Natural History Survey Reports* 101: 2.
100. LaBerge, W.E. 1971h. Teamwork on pesticides. *Illinois Natural History Survey Reports* 101: 2–3.
101. LaBerge, W.E. 1971i. The gall of insects. *Illinois Natural History Survey Reports* 101: 3–4.
102. LaBerge, W.E. 1971j. Dr. Harlow B. Mills. *Illinois Natural History Survey Reports* 103: 1.
103. LaBerge, W.E. 1971k. Little blue herons and insecticides. *Illinois Natural History Survey Reports* 103: 1–2.
104. LaBerge, W.E. 1971l. Mussels, buttons, and pearls. *Illinois Natural History Survey Reports* 103: 2–3.
105. LaBerge, W.E. 1971m. Hopper predictions. *Illinois Natural History Survey Reports* 103: 3–4.
106. LaBerge, W.E. 1971n. Fishes, streams, and ecology. *Illinois Natural History Survey Reports* 105: 1–2.
107. LaBerge, W.E. 1971o. The pheasant: A tough act to follow. *Illinois Natural History Survey Reports* 105: 2–3.
108. LaBerge, W.E. 1971p. Little wanderers on thrips. *Illinois Natural History Survey Reports* 105: 3–4.
109. LaBerge, W.E. 1971q. Soybean insects. *Illinois Natural History Survey Reports* 105: 4.
110. LaBerge, W.E. 1971r. Aquatic vegetation control. *Illinois Natural History Survey Reports* 107: 1–2.
111. LaBerge, W.E. 1971s. Nighttime bird migrations. *Illinois Natural History Survey Reports* 107: 2–3.
112. LaBerge, W.E. 1971t. Baits for cutworms. *Illinois Natural History Survey Reports* 107: 3–4.
113. LaBerge, W.E. 1971u. Soybean, alfalfa, and pests. *Illinois Natural History Survey Reports* 109: 1–2.
114. LaBerge, W.E. 1971v. Computers, pests, and biological control. *Illinois Natural History Survey Reports* 109: 2.
115. LaBerge, W.E. 1971w. Pheasants and chemical elements. *Illinois Natural History Survey Reports* 109: 2–3.
116. LaBerge, W.E. 1971x. Ecology and livestock. *Illinois Natural History Survey Reports* 109: 3–4.
117. LaBerge, W.E., & D.W. Ribble. 1972. A revision of the bees of the genus *Andrena* of the Western Hemisphere. Part V. *Gonandrena*, *Geissandrena*, *Parandrena*, *Pelicandrena*. *Transactions of the American Entomological Society* 98(3): 271–358.
118. LaBerge, W.E. 1972a. [Book review: *Genesis of the Hymenoptera and the Phases of their Evolution*]. *Animal Behaviour* 20(2): 404–405.
119. LaBerge, W.E. 1972b. Game statistics. *Illinois Natural History Survey Reports* 111: 1–2.
120. LaBerge, W.E. 1972c. Crop pests in 1971. *Illinois Natural History Survey Reports* 111: 2.
121. LaBerge, W.E. 1972d. Man-made marsh and bass. *Illinois Natural History Survey Reports* 111: 2–3.
122. LaBerge, W.E. 1972e. Mississippi River fishes. *Illinois Natural History Survey Reports* 111: 3–4.
123. LaBerge, W.E. 1972f. Bronze birch borer. *Illinois Natural History Survey Reports* 113: 1.
124. LaBerge, W.E. 1972g. Have venom – will bite. *Illinois Natural History Survey Reports* 113: 2–3.

125. LaBerge, W.E. 1972h. The living fence, wildlife, and corn. *Illinois Natural History Survey Reports* 113: 3.
126. LaBerge, W.E. 1972i. Corn rootworm resistance. *Illinois Natural History Survey Reports* 113: 3–4.
127. LaBerge, W.E. 1972j. Tell-tale feather facts. *Illinois Natural History Survey Reports* 115: 1–2.
128. LaBerge, W.E. 1972k. Pesticides in model ecosystems. *Illinois Natural History Survey Reports* 115: 2.
129. LaBerge, W.E. 1972l. Cicada spectacular. *Illinois Natural History Survey Reports* 115: 2–3.
130. LaBerge, W.E. 1972m. Computerized caterpillars. *Illinois Natural History Survey Reports* 115: 3–4.
131. LaBerge, W.E. 1972n. Gray-squirrel reproduction. *Illinois Natural History Survey Reports* 117: 1–2.
132. LaBerge, W.E. 1972o. The mighty midge. *Illinois Natural History Survey Reports* 117: 2.
133. LaBerge, W.E. 1972p. Slenderhead darter data. *Illinois Natural History Survey Reports* 117: 2–3.
134. LaBerge, W.E. 1972q. Arborvitae leaf miner. *Illinois Natural History Survey Reports* 117: 3–4.
135. LaBerge, W.E. 1972r. Pheasants: Age and eggs. *Illinois Natural History Survey Reports* 119: 1–2.
136. LaBerge, W.E. 1972s. Carlinville revisited. *Illinois Natural History Survey Reports* 119: 2.
137. LaBerge, W.E. 1972t. Microspores in deep-freeze. *Illinois Natural History Survey Reports* 119: 2–3.
138. LaBerge, W.E. 1972u. Aquatic plant control. *Illinois Natural History Survey Reports* 119: 3–4.
139. LaBerge, W.E. 1972v. Illinois swallows. *Illinois Natural History Survey Reports* 121: 1–2.
140. LaBerge, W.E. 1972w. Sangamon studies. *Illinois Natural History Survey Reports* 121: 2.
141. LaBerge, W.E. 1972x. Mighty mites may help. *Illinois Natural History Survey Reports* 121: 2–3.
142. LaBerge, W.E. 1972y. Prairie fire and insects. *Illinois Natural History Survey Reports* 121: 3–4.
143. LaBerge, W.E. 1973a. A revision of the bees of the genus *Andrena* of the Western Hemisphere. Part VI. Subgenus *Trachandrena*. *Transactions of the American Entomological Society* 99(3): 235–371.
144. LaBerge, W.E. 1973b. The bee genus *Proteriades* in South Dakota (Hymenoptera: Megachilidae). *Entomological News* 84(5): 160.
145. LaBerge, W.E. 1973c. Hot angling spot – Ridge Lake. *Illinois Natural History Survey Reports* 123: 1–2.
146. LaBerge, W.E. 1973d. Wood ducks – tagged and bagged. *Illinois Natural History Survey Reports* 123: 2.
147. LaBerge, W.E. 1973e. Environmental research facility completed. *Illinois Natural History Survey Reports* 123: 2–3.
148. LaBerge, W.E. 1973f. Crop pests of 1972. *Illinois Natural History Survey Reports* 123: 3–4.
149. LaBerge, W.E. 1973g. The shrike and its prey. *Illinois Natural History Survey Reports* 125: 1–2.
150. LaBerge, W.E. 1973h. Fishes, keys, and names. *Illinois Natural History Survey Reports* 125: 2–3.
151. LaBerge, W.E. 1973i. Corn rootworm disease. *Illinois Natural History Survey Reports* 125: 3–4.
152. LaBerge, W.E. 1973j. Return of the cicada. *Illinois Natural History Survey Reports* 127: 1.
153. LaBerge, W.E. 1973k. Trace elements and pheasants. *Illinois Natural History Survey Reports* 127: 2.
154. LaBerge, W.E. 1973l. Water quality in Shelbyville. *Illinois Natural History Survey Reports* 127: 2–3.
155. LaBerge, W.E. 1973m. Corn pest management. *Illinois Natural History Survey Reports* 127: 3–4.
156. LaBerge, W.E. 1973n. Gray squirrel history in Illinois. *Illinois Natural History Survey Reports* 129: 1–2.
157. LaBerge, W.E. 1973o. Catfish and bass ponds. *Illinois Natural History Survey Reports* 129: 2.
158. LaBerge, W.E. 1973p. The James P. Nielson insect collection. *Illinois Natural History Survey Reports* 129: 2–3. [Nota bene: A photograph of Wally, with other Survey staff, appears with this article.]
159. LaBerge, W.E. 1973q. Butterfily directory. *Illinois Natural History Survey Reports* 129: 4.
160. LaBerge, W.E. 1973r. Lead in aquatic ecosystems. *Illinois Natural History Survey Reports* 131: 1–2.
161. LaBerge, W.E. 1973s. Rare and endangered fish. *Illinois Natural History Survey Reports* 131: 2.
162. LaBerge, W.E. 1973t. The pheasant: He adds green to the economy. *Illinois Natural History Survey Reports* 131: 2–3.
163. LaBerge, W.E. 1973u. Almond month in stored soybeans. *Illinois Natural History Survey Reports* 131: 3–4.
164. LaBerge, W.E. 1974a. Waterfowl migration and weather. *Illinois Natural History Survey Reports* 133: 1–2.

165. LaBerge, W.E. 1974b. Mission: Information. *Illinois Natural History Survey Reports* 133: 2–3.
166. LaBerge, W.E. 1974c. Crawling water beetles. *Illinois Natural History Survey Reports* 133: 3.
167. LaBerge, W.E. 1974d. Pests of 1973 and outlook. *Illinois Natural History Survey Reports* 133: 3–4.
168. LaBerge, W.E. 1974e. Lice, youth, and schools. *Illinois Natural History Survey Reports* 135: 1–2.
169. LaBerge, W.E. 1974f. Insecticides in Lake Michigan mud. *Illinois Natural History Survey Reports* 135: 2.
170. LaBerge, W.E. 1974g. Green sunfish diet. *Illinois Natural History Survey Reports* 135: 2–3.
171. LaBerge, W.E. 1974h. Weather, agriculture, and rabbits. *Illinois Natural History Survey Reports* 135: 3–4.
172. LaBerge, W.E. 1974i. Some Illinois aquatic Crustacea. *Illinois Natural History Survey Reports* 137: 1–2.
173. LaBerge, W.E. 1974j. Controlling flies on pastured cattle. *Illinois Natural History Survey Reports* 137: 2.
174. LaBerge, W.E. 1974k. Nantucket pine tip moth. *Illinois Natural History Survey Reports* 137: 3–4.
175. LaBerge, W.E. 1974l. Modeling and alfalfa weevils. *Illinois Natural History Survey Reports* 139: 1–2.
176. LaBerge, W.E. 1974m. Power, heat and lakes. *Illinois Natural History Survey Reports* 139: 2.
177. LaBerge, W.E. 1974n. Life history of the spotted darter. *Illinois Natural History Survey Reports* 139: 2–3.
178. LaBerge, W.E. 1974o. Conditions and stresses in pheasants. *Illinois Natural History Survey Reports* 139: 3–4.
179. LaBerge, W.E. 1974p. Scorpionflies roam the Midwest. *Illinois Natural History Survey Reports* 141: 1–2.
180. LaBerge, W.E. 1974q. Model ecosystems in use. *Illinois Natural History Survey Reports* 141: 2.
181. LaBerge, W.E. 1974r. Wood duck populations. *Illinois Natural History Survey Reports* 141: 2–3.
182. LaBerge, W.E. 1974s. Hog wastes and the silver carp. *Illinois Natural History Survey Reports* 141: 3–4.
183. LaBerge, W.E., & D.W. Ribble. 1975. A revision of the bees of the genus *Andrena* of the Western Hemisphere. Part VII. Subgenus *Euandrena*. *Transactions of the American Entomological Society* 101(3): 371–446.
184. Davis, L.R., & W.E. LaBerge. 1975. The nest biology of the bee *Andrena (Ptilandrena) erigeniae* Robertson (Hymenoptera: Andrenidae). *Biological Notes, Illinois Natural History Survey* 95: 1–16.
185. LaBerge, W.E. 1975a. Bucks, does, and synchrony. *Illinois Natural History Survey Reports* 143: 1–2.
186. LaBerge, W.E. 1975b. Crop pests in 1974. *Illinois Natural History Survey Reports* 143: 2.
187. LaBerge, W.E. 1975c. Thrips and soybeans. *Illinois Natural History Survey Reports* 143: 2–3.
188. LaBerge, W.E. 1975d. Turfgrass and aquatic herbicides. *Illinois Natural History Survey Reports* 143: 3–4.
189. LaBerge, W.E. 1975e. Counter, corn rootworms, and pheasants. *Illinois Natural History Survey Reports* 145: 1–2.
190. LaBerge, W.E. 1975f. Aquatic plates and diquat. *Illinois Natural History Survey Reports* 145: 2.
191. LaBerge, W.E. 1975g. A new research tool. *Illinois Natural History Survey Reports* 145: 2–3.
192. LaBerge, W.E. 1975h. Protecting water quality. *Illinois Natural History Survey Reports* 145: 3–4.
193. LaBerge, W.E. 1975i. Spring goose migration. *Illinois Natural History Survey Reports* 147: 1–2.
194. LaBerge, W.E. 1975j. Corn rootworms and sweet corn. *Illinois Natural History Survey Reports* 147: 2.
195. LaBerge, W.E. 1975k. Illinois' periodical cicadas. *Illinois Natural History Survey Reports* 147: 3.
196. LaBerge, W.E. 1975l. Biochemistry and pollution. *Illinois Natural History Survey Reports* 147: 3–4.
197. LaBerge, W.E. 1975m. Ground nesting bee. *Illinois Natural History Survey Reports* 150: 1–2.
198. LaBerge, W.E. 1975n. Thrips and soybeans. *Illinois Natural History Survey Reports* 150: 2.
199. LaBerge, W.E. 1975o. Pheasant population increases. *Illinois Natural History Survey Reports* 150: 2–3.
200. LaBerge, W.E. 1975p. New golf course grubs. *Illinois Natural History Survey Reports* 150: 3–4.
201. LaBerge, W.E. 1975q. Some rare fishes saved. *Illinois Natural History Survey Reports* 152: 1–2.
202. LaBerge, W.E. 1975r. Pesticides and environment. *Illinois Natural History Survey Reports* 152: 2.
203. LaBerge, W.E. 1975s. Pollutants and bluegill. *Illinois Natural History Survey Reports* 152: 2–4.
204. Freimuth, G., & W.E. LaBerge. 1976. Dating and environmental reconstruction from prehistoric mud-dauber nests: Some possibilities. *Plains Anthropologist* 21(72): 111–114.

205. Zavortink, T.J., & W.E. LaBerge. 1976. Bees of the genus *Martinapis* Cockerell in North America. *Wasmann Journal of Biology* 34(1): 119–145.
206. LaBerge, W.E. 1976a. The stripetail darter. *Illinois Natural History Survey Reports* 154: 1–2.
207. LaBerge, W.E. 1976b. The heron problem. *Illinois Natural History Survey Reports* 154: 2.
208. LaBerge, W.E. 1976c. Predicting fish populations. *Illinois Natural History Survey Reports* 154: 2–3.
209. LaBerge, W.E. 1976d. Crop pests in 1975. *Illinois Natural History Survey Reports* 154: 3–4.
210. LaBerge, W.E. 1976e. Prehistoric squirrels. *Illinois Natural History Survey Reports* 156: 1–2.
211. LaBerge, W.E. 1976f. Pesticide study guide. *Illinois Natural History Survey Reports* 156: 2–3.
212. LaBerge, W.E. 1976g. Periodical cicada time again. *Illinois Natural History Survey Reports* 156: 3.
213. LaBerge, W.E. 1976h. Aquatic life and ammonia. *Illinois Natural History Survey Reports* 156: 3–4.
214. LaBerge, W.E. 1976i. New alfalfa weevil parasites. *Illinois Natural History Survey Reports* 158: 1–2.
215. LaBerge, W.E. 1976j. Pheasants and inversity. *Illinois Natural History Survey Reports* 158: 2–3.
216. LaBerge, W.E. 1976k. Swine and fishes. *Illinois Natural History Survey Reports* 158: 3.
217. LaBerge, W.E. 1976l. What's in a name. *Illinois Natural History Survey Reports* 160: 1–2.
218. LaBerge, W.E. 1976m. What whiteflies see. *Illinois Natural History Survey Reports* 160: 2.
219. LaBerge, W.E. 1976n. Genetic engineering and largemouth bass. *Illinois Natural History Survey Reports* 160: 2–3.
220. LaBerge, W.E. 1976o. Waterfowl power line collisions. *Illinois Natural History Survey Reports* 160: 3–4.
221. LaBerge, W.E. 1976p. Sulfur licks or salt licks? *Illinois Natural History Survey Reports* 162: 1–2.
222. LaBerge, W.E. 1976q. Cocoons, parasites, and insecticides. *Illinois Natural History Survey Reports* 162: 2.
223. LaBerge, W.E. 1976r. Stoneroller populations. *Illinois Natural History Survey Reports* 162: 2–3.
224. LaBerge, W.E. 1976s. Watershed ecology. *Illinois Natural History Survey Reports* 162: 3–4.
225. LaBerge, W.E. 1977a. A revision of the bees of the genus *Andrena* of the Western Hemisphere. Part VIII. Subgenera *Thysandrena*, *Dasyandrena*, *Psammandrena*, *Rhacandrena*, *Euanandrena*, *Oxyandrena*. *Transactions of the American Entomological Society* 103(1): 1–143.
226. LaBerge, W.E., & J.K. Bouseman. 1977. On the systematic position of three black *Andrena* from Western North America (Hymenoptera: Andrenidae). *Journal of the Kansas Entomological Society* 50(4): 601–612.
227. LaBerge, W.E. 1977b. Of Clams and ducks. *Illinois Natural History Survey Reports* 164: 1–2.
228. LaBerge, W.E. 1977c. Gray squirrels in Illinois. *Illinois Natural History Survey Reports* 164: 2–3.
229. LaBerge, W.E. 1977d. The measure of diversity. *Illinois Natural History Survey Reports* 164: 3–4.
230. LaBerge, W.E. 1977e. Men, birds, and libraries. *Illinois Natural History Survey Reports* 166: 1–2.
231. LaBerge, W.E. 1977f. Aquatic ecosystem model. *Illinois Natural History Survey Reports* 166: 2.
232. LaBerge, W.E. 1977g. Striptail darters. *Illinois Natural History Survey Reports* 166: 3.
233. LaBerge, W.E. 1977h. Microsporidian methodology. *Illinois Natural History Survey Reports* 166: 3–4.
234. LaBerge, W.E. 1977i. Glenn, the moth man. *Illinois Natural History Survey Reports* 168: 1–2.
235. LaBerge, W.E. 1977j. Alfalfa weevil management. *Illinois Natural History Survey Reports* 168: 2.
236. LaBerge, W.E. 1977k. Dr. George W. Bennett. *Illinois Natural History Survey Reports* 168: 2–3.
237. LaBerge, W.E. 1977l. Severe winter and pheasants. *Illinois Natural History Survey Reports* 168: 3–4.
238. LaBerge, W.E. 1977m. Weevils, crucifers and men. *Illinois Natural History Survey Reports* 170: 1–2.
239. LaBerge, W.E. 1977n. Flies: Who's who. *Illinois Natural History Survey Reports* 170: 2–3.
240. LaBerge, W.E. 1977o. Woodpeckers and old forest. *Illinois Natural History Survey Reports* 170: 3–4.
241. LaBerge, W.E. 1977p. Illinois natural areas. *Illinois Natural History Survey Reports* 172: 1–2.
242. LaBerge, W.E. 1977q. Bantam sunfish in Illinois. *Illinois Natural History Survey Reports* 172: 2–3.
243. LaBerge, W.E. 1977r. Fox squirrel and winter food. *Illinois Natural History Survey Reports* 172: 3–4.
244. LaBerge, W.E. 1978a. *Andrena (Callandrena) micheneriana*, a remarkable new bee from Arizona and Mexico (Apoidea: Andrenidae). *Journal of the Kansas Entomological Society* 51(4): 592–596.

245. Schrader, M.N., & W.E. LaBerge. 1978. The nest biology of the bees *Andrena (Melandrena) regularis* Malloch and *Andrena (Melandrena) carlini* Cockerell (Hymenoptera: Andrenidae). *Biological Notes, Illinois Natural History Survey* 108: 1–24.
246. LaBerge, W.E. 1978b. Sulfur and ecosystem productivity. *Illinois Natural History Survey Reports* 174: 1–3.
247. LaBerge, W.E. 1978c. Alfalfa weevil parasite production. *Illinois Natural History Survey Reports* 174: 3–4.
248. LaBerge, W.E. 1978d. Winter feeding of squirrels. *Illinois Natural History Survey Reports* 176: 1–2.
249. LaBerge, W.E. 1978e. Lake Shelbyville mercury. *Illinois Natural History Survey Reports* 176: 2–3.
250. LaBerge, W.E. 1978f. Black cutworm trapping. *Illinois Natural History Survey Reports* 176: 3–4.
251. LaBerge, W.E. 1978g. More flies – the genus *Dialysis*. *Illinois Natural History Survey Reports* 176: 4.
252. LaBerge, W.E. 1978h. The spring cavefish. *Illinois Natural History Survey Reports* 178: 1–2.
253. LaBerge, W.E. 1978i. Turfgrass insect populations. *Illinois Natural History Survey Reports* 178: 2.
254. LaBerge, W.E. 1978j. Illinois mollusks. *Illinois Natural History Survey Reports* 178: 2–3.
255. LaBerge, W.E. 1978k. Wandering weevils. *Illinois Natural History Survey Reports* 178: 3–4.
256. LaBerge, W.E. 1978l. Soybean spiders. *Illinois Natural History Survey Reports* 180: 1–2.
257. LaBerge, W.E. 1978m. Lake Michigan diversion. *Illinois Natural History Survey Reports* 180: 2–3.
258. LaBerge, W.E. 1978n. Soybean mosaic virus. *Illinois Natural History Survey Reports* 180: 3–4.
259. LaBerge, W.E. 1978o. Mail carrier pheasant census. *Illinois Natural History Survey Reports* 182: 1–2.
260. LaBerge, W.E. 1978p. Malaysian prawns in Illinois. *Illinois Natural History Survey Reports* 182: 2.
261. LaBerge, W.E. 1978q. The cypress darter. *Illinois Natural History Survey Reports* 182: 3.
262. LaBerge, W.E. 1978r. Dimorphic protozoans. *Illinois Natural History Survey Reports* 182: 3–4.
263. Bouseman, J.K., & W.E. LaBerge. 1979. A revision of the bees of the genus *Andrena* of the Western Hemisphere. Part IX. Subgenus *Melandrena*. *Transactions of the American Entomological Society* 104(3–4): 275–389.
264. Kevan, P.G., & W.E. LaBerge. 1979. Demise and recovery of native pollinator populations through pesticide use and some economic implications. In: Caron, D.M (Ed.), *Proceedings of the IVth International Symposium on Pollination: Increasing Production of Agricultural Crops through Increased Insect Pollination*: 489–508. Maryland Agricultural Experiment Station, University of Maryland; College Park, MD; vi+541 pp.
265. LaBerge, W.E. 1979a. Fishes of Illinois. *Illinois Natural History Survey Reports* 184: 1–2.
266. LaBerge, W.E. 1979b. Seventy years later. *Illinois Natural History Survey Reports* 184: 2.
267. LaBerge, W.E. 1979c. Herbert H. Ross. *Illinois Natural History Survey Reports* 184: 2–3.
268. LaBerge, W.E. 1979d. Crop pests of 1978. *Illinois Natural History Survey Reports* 184: 3–4.
269. LaBerge, W.E. 1979e. Bee systematics – *Melandrena*. *Illinois Natural History Survey Reports* 186: 1–2.
270. LaBerge, W.E. 1979f. Coal conversion wastes. *Illinois Natural History Survey Reports* 186: 2.
271. LaBerge, W.E. 1979g. Illinois River timber. *Illinois Natural History Survey Reports* 186: 2–4.
272. LaBerge, W.E. 1979h. Insect/plant relationships. *Illinois Natural History Survey Reports* 186: 4.
273. LaBerge, W.E. 1979i. Squirrel nests. *Illinois Natural History Survey Reports* 188: 1–2.
274. LaBerge, W.E. 1979j. Collections and collectors. *Illinois Natural History Survey Reports* 188: 2.
275. LaBerge, W.E. 1979k. Thrips in soybeans. *Illinois Natural History Survey Reports* 188: 2–3.
276. LaBerge, W.E. 1979l. Computers at the library. *Illinois Natural History Survey Reports* 188: 3–4.
277. LaBerge, W.E. 1979m. Stinging caterpillars. *Illinois Natural History Survey Reports* 190: 1–2.
278. LaBerge, W.E. 1979n. A leaf miner in soybeans. *Illinois Natural History Survey Reports* 190: 2.
279. LaBerge, W.E. 1979o. Submersible vacuum cleaner. *Illinois Natural History Survey Reports* 190: 2–3.
280. LaBerge, W.E. 1979p. Mercury and Lake Shelbyville. *Illinois Natural History Survey Reports* 190: 3–4.
281. LaBerge, W.E. 1979q. Least darter biology. *Illinois Natural History Survey Reports* 192: 1–2.
282. LaBerge, W.E. 1979r. Wood duck populations. *Illinois Natural History Survey Reports* 192: 2.
283. LaBerge, W.E. 1979s. Walnut caterpillars and wood. *Illinois Natural History Survey Reports* 192: 2–3.
284. LaBerge, W.E. 1979t. Redear sunfish in Illinois. *Illinois Natural History Survey Reports* 192: 3–4.

285. LaBerge, W.E. 1980a. A revision of the bees of the genus *Andrena* of the Western Hemisphere. Part X. Subgenus *Andrena*. *Transactions of the American Entomological Society* 106(4): 395–525.
286. Hurd, P.D., Jr., W.E. LaBerge, & E.G. Linsley. 1980. Principal sunflower bees of North America with emphasis on the southwestern United States (Hymenoptera: Apoidea). *Smithsonian Contributions to Zoology* 310: 1–158.
287. LaBerge, W.E. 1980b. Red-headed woodpeckers and acorns. *Illinois Natural History Survey Reports* 194: 1–2.
288. LaBerge, W.E. 1980c. Havana lab welcomes electronic assistant. *Illinois Natural History Survey Reports* 194: 2–3.
289. LaBerge, W.E. 1980d. Blueberries and bees. *Illinois Natural History Survey Reports* 194: 3–4.
290. LaBerge, W.E. 1980e. Custom spray operators school. *Illinois Natural History Survey Reports* 194: 4.
291. LaBerge, W.E. 1980f. Hop vine borer in corn. *Illinois Natural History Survey Reports* 196: 1–2.
292. LaBerge, W.E. 1980g. IPM – new employment opportunities in Illinois. *Illinois Natural History Survey Reports* 196: 2.
293. LaBerge, W.E. 1980h. Daily aging of fish. *Illinois Natural History Survey Reports* 196: 2–3.
294. LaBerge, W.E. 1980i. Cottontails and grassland. *Illinois Natural History Survey Reports* 196: 3–4.
295. LaBerge, W.E. 1980j. Prairie and prairie chickens. *Illinois Natural History Survey Reports* 198: 1–2.
296. LaBerge, W.E. 1980k. The Kankakee River. *Illinois Natural History Survey Reports* 198: 2–3.
297. LaBerge, W.E. 1980l. Hybrid carp and aquatic weeds. *Illinois Natural History Survey Reports* 198: 3.
298. LaBerge, W.E. 1980m. Corn rootworm egg sampling. *Illinois Natural History Survey Reports* 198: 3–4.
299. Fernandes, A., R.M. Duffield, J.W. Wheeler, & W.E. LaBerge. 1981. Chemistry of the Dufour's gland secretions of North American andrenid bees (Hymenoptera: Andrenidae). *Journal of Chemical Ecology* 7(2): 453–463.
300. Duffield, R.M., W.E. LaBerge, J.H. Cane, & J.W. Wheeler. 1982. Exocrine secretions of bees – IV. Macrocyclic lactones and isopentenyl esters in Dufour's gland secretions of *Nomia* bees (Hymenoptera: Halictidae). *Journal of Chemical Ecology* 8(2): 535–543.
301. Duffield, R.M., W.E. LaBerge, & J.W. Wheeler. 1984. Exocrine secretions of bees – VII. Aliphatic esters in the dufour's gland secretion of *Svastra obliqua obliqua* (Hymenoptera: Anthophoridae). *Comparative Biochemistry and Physiology, Part B, Comparative Biochemistry* 78(1): 47–50.
302. Birmingham, F., E.W. Riddick, W.E. LaBerge, J.W. Wheeler, & R.M. Duffield. 1984. Exocrine secretions of bees – IX. Aliphatic esters in the Dufour's gland secretions of *Synhalonia hamata*. *Journal of the Washington Academy of Sciences* 74(2): 47–50.
303. Waldbauer, G.P., & W.E. LaBerge. 1985. Phenological relationships of wasps, bumblebees, their mimics and insectivorous birds in northern Michigan. *Ecological Entomology* 10(1): 99–110.
304. LaBerge, W.E. 1985 [1986a]. A revision of the bees of the genus *Andrena* of the western hemisphere. Part XI. Minor subgenera and subgeneric key. *Transactions of the American Entomological Society* 111(4): 441–567.
305. LaBerge, W.E. 1986b. [Book Review: *Studies on the Morphology and Systematics of Scale Insects – No. 12. Revision of the Family Kermesidae (Homoptera) in the Nearctic Region based on Adult and Third Instar Females / A Morphological and Systematic Study of the First and Second Instars of the Family Kermesidae in the Nearctic Region (Homoptera: Coccoidea)*]. ASC [Association of Systematic Collections] Newsletter 14(5): 54.
306. LaBerge, W.E. 1986c. The zoogeography of *Andrena* Fabricius (Hymenoptera: Andrenidae) of the Western Hemisphere. In: Clambey, G.K., & R.H. Pemble (Eds.), *The Prairie? Past, Present and Future: Proceedings of the Ninth North American Prairie Conference*: 110–115. Tri-College University Center for Environmental Studies; Moorhead, MN; 264 pp.
307. LaBerge, W.E. 1986 [1987a]. A revision of the bees of the genus *Andrena* of the western hemisphere. Part XII. Subgenera *Leucandrena*, *Ptilandrena*, *Scoliandrena*, and *Melandrena*. *Transactions of the American Entomological Society* 112(3): 191–248.

308. LaBerge, W.E. 1987b. [Book review: *Foundations for a National Biological Survey*]. *Proceedings of the Entomological Society of Washington* 89(2): 302.
309. Dubois, M.B., & W.E. LaBerge. 1988. Annotated list of ants in Illinois (Hymenoptera: Formicidae). In: Trager, J.C. (Ed.), *Advances in Myrmecology*: 133–156. Brill; Leiden, The Netherlands; xxvii+551 pp.
310. Heydon, S.L., & W.E. LaBerge. 1988. A review of North American species of *Sphegigaster* north of Mexico and the biology of their hosts (Hymenoptera, Pteromalidae). *Journal of the Kansas Entomological Society* 61(3): 258–277.
311. LaBerge, W.E. 1988. Lewis J. Stannard 1918–1988. *Bulletin of the Entomological Society of America* 34(4): 215.
312. LaBerge, W.E. 1989a. A review of the bees of the genus *Pectinapis* (Hymenoptera: Anthophoridae). *Journal of the Kansas Entomological Society* 62(4): 524–527.
313. LaBerge, W.E. 1989b. A revision of the bees of the genus *Andrena* of the Western Hemisphere. Part XIII. Subgenera *Simandrena* and *Taeniandrena*. *Transactions of the American Entomological Society* 115(1): 1–56.
314. LaBerge, W.E. 1992. New records for *Agapanthinus callophila* (Hymenoptera: Anthophoridae), a bee rare in collections. *Entomological News* 103(5): 210–211.
315. Cane, J.H., S.L. Buchmann, & W.E. LaBerge. 1992. The solitary bee *Melissodes thelypodii thelypodii* Cockerell (Hymenoptera: Anthophoridae) collects pollen from wind-pollinated *Amaranthus palmeri* Watson. *Pan-Pacific Entomologist* 68(2): 97–99.
316. LaBerge, W.E. 1994a. A new species of *Syntrichalonia* from Mexico (Hymenoptera: Apidae). *Journal of the Kansas Entomological Society* 67(3): 283–287.
317. LaBerge, W.E. 1994b. Status of some species names of eucerine bees (Hymenoptera: Apoidea) proposed by Lepeletier in 1841. *Entomological News* 105(5): 280–282.
318. Hirashima, Y., W.E. LaBerge, & S. Ikudome. 1994. [Subgenus *Mitsukuriapis* Hirashima, LaBerge et Ikudome, new name]. In: Ikudome, S., *A list of the bee taxa of Japan and their Japanese names (Hymenoptera, Apoidea)*: 6. *Bulletin of Kagoshima Women's Junior College* 29: 1–23.
319. LaBerge, W.E. 1995. Case 2945. *Melissodes desponsa* Smith, 1854 and *M. agilis* Cresson, 1878 (Insecta, Hymenoptera): Proposed conservation of the specific names. *Bulletin of Zoological Nomenclature* 52(2): 159–161.
320. Dibble, A.C., F.A. Drummond, & W.E. LaBerge. 1997. Floral syndrome in *Amelanchier nantucketensis* (Rosaceae). II. Bee preference and diversity associated with andropetaly. *Canadian Journal of Botany* 75(11): 1860–1867.
321. LaBerge, W.E. 2001. Revision of the bees of the genus *Tetraloniella* in the New World (Hymenoptera: Apidae). *Illinois Natural History Survey Bulletin* 36(3): 67–162.
322. Marlin, J.C., & W.E. LaBerge. 2001. The native bee fauna of Carlinville, Illinois, revisited after 75 years: A case for persistence. *Conservation Ecology* 5(1): 9. [<http://www.consecol.org/vol5/iss1/art9>] [Nota bene: An early account of this report appears in LaBerge (1972s).]
323. Kalhorn, K.D., E.M. Barrows, & W.E. LaBerge. 2003. Bee (Hymenoptera: Apoidea: Apiformes) diversity in an Appalachian shale barrens. *Journal of the Kansas Entomological Society* 76(3): 455–468.
324. LaBerge, W.E., & R.W. Thorp. 2005. A revision of the bees of the genus *Andrena* of the Western Hemisphere. Part XIV. Subgenus *Onagrandrena*. *Illinois Natural History Survey Bulletin* 37(1): 1–63.
325. Thorp, R.W., & W.E. LaBerge. 2005. A revision of the bees of the genus *Andrena* of the Western Hemisphere. Part XV. Subgenus *Hesperandrena*. *Illinois Natural History Survey Bulletin* 37(2): 64–93.
326. Smith, B.A., R.L. Brown, W.[E.] LaBerge, & T.[L.] Griswold. 2012. A faunistic survey of bees (Hymenoptera: Apoidea) in the Black Belt Prairie of Mississippi. *Journal of the Kansas Entomological Society* 85(1): 32–47.



## APPENDIX II

## Taxa Proposed by Wallace E. LaBerge

The following list contains a total of one family-group, 46 genus-group, and 206 species-group names (including six subspecies). Taxa are listed alphabetically under each family except for family-group names that are indicated first. Names are presented under their original combination.

Order Hymenoptera Linnaeus

Family Pteromalidae Dalman

- Sphegigaster salicinus* Heydon & LaBerge, 1988: 268.  
*Sphegigaster conchylatus* Heydon & LaBerge, 1988: 269.  
*Sphegigaster cracentis* Heydon & LaBerge, 1988: 271.  
*Sphegigaster euryepomis* Heydon & LaBerge, 1988: 272.

Family Andrenidae Latreille

- Andrena (Anchandrena)* LaBerge, 1986a: 496.  
*Andrena (Andrena) aculeata* LaBerge, 1980a: 495.  
*Andrena (Andrena) ceanothifloris cretata* LaBerge, 1980a: 518.  
*Andrena (Andrena) coconina* LaBerge, 1980a: 441.  
*Andrena (Andrena) fulgida* LaBerge, 1980a: 451.  
*Andrena (Andrena) lanhami* LaBerge, 1980a: 490.  
*Andrena (Andrena) longifacies* LaBerge, 1980a: 469.  
*Andrena (Andrena) monoensis* LaBerge, 1980a: 423.  
*Andrena (Andrena) prolixa* LaBerge, 1980a: 441.  
*Andrena (Andrena) schuhi* LaBerge, 1980a: 484.  
*Andrena (Archiandrena)* LaBerge, 1986a: 482.  
*Andrena (Archiandrena) plebeia* LaBerge, 1986a: 488.  
*Andrena (Augandrena)* LaBerge, 1986a: 557.  
*Andrena (Augandrena) pectilis* LaBerge, 1986a: 563.  
*Andrena (Augandrena) siccata* LaBerge, 1986a: 561.  
*Andrena (Belandrena) alceae* LaBerge, 1986a: 516.  
*Andrena (Belandrena) hastulata* LaBerge, 1986a: 514.  
*Andrena (Callandrena) aerifera* LaBerge, 1967: 282.  
*Andrena (Callandrena) aeripes* LaBerge, 1967: 278.  
*Andrena (Callandrena) afrimbiata* LaBerge, 1967: 165.  
*Andrena (Callandrena) ardis* LaBerge, 1967: 249.  
*Andrena (Callandrena) auripes* LaBerge, 1967: 204.  
*Andrena (Callandrena) balsamorhizae* LaBerge, 1967: 252.  
*Andrena (Callandrena) beameri* LaBerge, 1967: 135.  
*Andrena (Callandrena) bilimeki* LaBerge, 1967: 215.  
*Andrena (Callandrena) bullata* LaBerge, 1967: 154.  
*Andrena (Callandrena) calvata* LaBerge, 1967: 74.  
*Andrena (Callandrena) dreisbachelorum* LaBerge, 1967: 226.  
*Andrena (Callandrena) fulminea* LaBerge, 1967: 274.  
*Andrena (Callandrena) fulminoides* LaBerge, 1967: 277.  
*Andrena (Callandrena) fumosa* LaBerge, 1967: 117.  
*Andrena (Callandrena) humeralis* LaBerge, 1967: 76.  
*Andrena (Callandrena) ignota* LaBerge, 1967: 83.  
*Andrena (Callandrena) inculta* LaBerge, 1967: 193.  
*Andrena (Callandrena) irrasus* LaBerge, 1967: 131.  
*Andrena (Callandrena) levigata* LaBerge, 1967: 229.

- Andrena* (*Callandrena*) *levipes* LaBerge, 1967: 289.  
*Andrena* (*Callandrena*) *limatula* LaBerge, 1967: 233.  
*Andrena* (*Callandrena*) *mexicana* LaBerge, 1967: 50.  
*Andrena* (*Callandrena*) *micheneriana* LaBerge, 1978a: 592.  
*Andrena* (*Callandrena*) *monticola* LaBerge, 1967: 125.  
*Andrena* (*Callandrena*) *neomexicana* LaBerge, 1967: 246.  
*Andrena* (*Callandrena*) *ofella* LaBerge, 1967: 267.  
*Andrena* (*Callandrena*) *optanda* LaBerge, 1967: 235.  
*Andrena* (*Callandrena*) *perpunctata* LaBerge, 1967: 222.  
*Andrena* (*Callandrena*) *rava* LaBerge, 1967: 122.  
*Andrena* (*Callandrena*) *repanda* LaBerge, 1967: 285.  
*Andrena* (*Callandrena*) *rubens* LaBerge, 1967: 206.  
*Andrena* (*Callandrena*) *sculleni* LaBerge, 1967: 59.  
*Andrena* (*Callandrena*) *senticulosa* LaBerge, 1967: 177.  
*Andrena* (*Callandrena*) *solivaga* LaBerge, 1967: 221.  
*Andrena* (*Callandrena*) *sonorensis* LaBerge, 1967: 110.  
*Andrena* (*Callandrena*) *tegularis* LaBerge, 1967: 195.  
*Andrena* (*Callandrena*) *trimaculata* LaBerge, 1967: 68.  
*Andrena* (*Callandrena*) *utahensis* LaBerge, 1967: 258.  
*Andrena* (*Callandrena*) *vulpoides* LaBerge, 1967: 280.  
*Andrena* (*Calomelissa*) Hirashima & LaBerge, 1963: 241.  
*Andrena* (*Carandrena*) *bellidoides* LaBerge, 1968a: 97.  
*Andrena* (*Celetandrena*) LaBerge & Hurd, 1965: 188.  
*Andrena* (*Charitandrena*) *toluca* LaBerge, 1969a: 42.  
*Andrena* (*Chaulandrena*) LaBerge, 1964: 314.  
*Andrena* (*Cremnandrena*) LaBerge, 1986a: 554.  
*Andrena* (*Dasyandrena*) LaBerge, 1977a: 71.  
*Andrena* (*Dasyandrena*) *latifrons* LaBerge, 1977a: 81.  
*Andrena* (*Erandrena*) LaBerge, 1986a: 505.  
*Andrena* (*Erandrena*) *principalis* LaBerge, 1986a: 506.  
*Andrena* (*Eremandrena*) LaBerge, 1964: 295.  
*Andrena* (*Euandrena*) *hamulata* LaBerge & Ribble, 1975: 399.  
*Andrena* (*Euandrena*) *penemisella* LaBerge & Ribble, 1975: 422.  
*Andrena* (*Euandrena*) *ribblei* LaBerge, 1977a: 125.  
*Andrena* (*Euandrena*) *venata* LaBerge & Ribble, 1975: 429.  
*Andrena* (*Geandrena*) LaBerge, 1964: 313.  
*Andrena* (*Geissandrena*) LaBerge & Ribble, 1972: 302.  
*Andrena* (*Genyandrena*) LaBerge, 1986a: 544.  
*Andrena* (*Gonandrena*) *avulsa* LaBerge & Ribble, 1972: 298.  
*Andrena* (*Gonandrena*) *flocculosa* LaBerge & Ribble, 1972: 296.  
*Andrena* (*Gonandrena*) *toralis* LaBerge & Ribble, 1972: 300.  
*Andrena* (*Habromelissa*) Hirashima & LaBerge, 1964: 71.  
*Andrena* (*Hesperandrena*) *compositarum* Thorp & LaBerge, 2005: 86.  
*Andrena* (*Hesperandrena*) *dissona* Thorp & LaBerge, 2005: 83.  
*Andrena* (*Hesperandrena*) *eremophila* Thorp & LaBerge, 2005: 85.  
*Andrena* (*Hesperandrena*) *leucomystax* Thorp & LaBerge, 2005: 81.  
*Andrena* (*Holandrena*) *miniata* LaBerge, 1986a: 537.  
*Andrena* (*Holandrena*) *subrubicunda* LaBerge, 1986a: 532.  
*Andrena* (*Larandrena*) LaBerge, 1964: 304.  
*Andrena* (*Leucandrena*) *cymatilis* LaBerge, 1987a: 207.  
*Andrena* (*Leucandrena*) *faceta* LaBerge, 1987a: 216.  
*Andrena* (*Leucandrena*) *patagiata* LaBerge, 1987a: 201.  
*Andrena* (*Melandrena*) *barbara* Bouseman & LaBerge, 1979: 297.  
*Andrena* (*Melandrena*) *brevicornis* Bouseman & LaBerge, 1979: 321.

- Andrena* (*Melandrena*) *crinita* Bouseman & LaBerge, 1979: 380.  
*Andrena* (*Melandrena*) *illini* Bouseman & LaBerge, 1979: 355.  
*Andrena* (*Melandrena*) *impolita* LaBerge, 1987a: 240.  
*Andrena* (*Mitsukuriapis*) Hirashima, LaBerge, & Ikudome, 1994: 6.  
*Andrena* (*Mitsukuriella*) Hirashima & LaBerge, 1965a: 472.  
*Andrena* (*Nemandrena*) LaBerge, 1971:48.  
*Andrena* (*Nemandrena*) *torulosa* LaBerge, 1971: 49.  
*Andrena* (*Nemandrena*) *crudeni* LaBerge, 1971: 54.  
*Andrena* (*Notandrena*) *triquestra* LaBerge, 1986a: 480.  
*Andrena* (*Onagrandrena*) *decolorata* LaBerge & Thorp, 2005: 49.  
*Andrena* (*Oxyandrena*) LaBerge, 1977a: 135.  
*Andrena* (*Oxyandrena*) *longifovea* LaBerge, 1977a: 136.  
*Andrena* (*Parandrena*) *arenicola* LaBerge & Ribble, 1972: 328.  
*Andrena* (*Parandrena*) *bucculenta* LaBerge & Ribble, 1972: 334.  
*Andrena* (*Pelicandrena*) LaBerge & Ribble, 1972: 346.  
*Andrena* (*Psammandrena*) LaBerge, 1977a: 83.  
*Andrena* (*Psammandrena*) *congrua* LaBerge, 1977a: 87.  
*Andrena* (*Rhacandrena*) LaBerge, 1977a: 90.  
*Andrena* (*Rhacandrena*) *coruscata* LaBerge, 1977a: 102.  
*Andrena* (*Rhaphandrena*) LaBerge, 1971b: 507.  
*Andrena* (*Rhaphandrena*) *dapsilis* LaBerge, 1971b: 511.  
*Andrena* (*Scaphandrena*) *nigricula* LaBerge & Bouseman, 1977: 606.  
*Andrena* (*Scrapteropsis*) *angusticrus* LaBerge, 1971b: 499.  
*Andrena* (*Scrapteropsis*) *aquila* LaBerge, 1971b: 502.  
*Andrena* (*Scrapteropsis*) *biareola* LaBerge, 1971b: 494.  
*Andrena* (*Scrapteropsis*) *buccata* LaBerge, 1971b: 497.  
*Andrena* (*Scrapteropsis*) *flaminea* LaBerge, 1971b: 472.  
*Andrena* (*Scrapteropsis*) *stipator* LaBerge, 1971b: 491.  
*Andrena* (*Scrapteropsis*) *unicostata* LaBerge, 1971b: 481.  
*Andrena* (*Stenomelissa*) Hirashima & LaBerge, 1965b: 500.  
*Andrena* (*Thysandrena*) *declinis* LaBerge, 1977a: 58.  
*Andrena* (*Thysandrena*) *ferrugineipes* LaBerge, 1977a: 43.  
*Andrena* (*Thysandrena*) *illustris* LaBerge, 1977a: 39.  
*Andrena* (*Thysandrena*) *lauta* LaBerge, 1977a: 36.  
*Andrena* (*Thysandrena*) *livida* LaBerge, 1977a: 45.  
*Andrena* (*Thysandrena*) *quadrilimbata* LaBerge, 1977a: 59.  
*Andrena* (*Trachandrena*) *winnemuccana* LaBerge, 1973a: 366.  
*Andrena* (*Trachandrena*) *zionensis* LaBerge, 1973a: 361.  
*Andrena* (*Tylandrena*) LaBerge, 1964: 312.  
*Andrena* (*Tylandrena*) *coracina* LaBerge & Bouseman, 1970: 591.  
*Andrena* (*Tylandrena*) *fuscipennis* LaBerge & Bouseman, 1970: 564.  
*Andrena* (*Tylandrena*) *sublayiae* LaBerge & Bouseman, 1970: 597.  
*Andrena* (*Tylandrena*) *waldmerei* LaBerge & Bouseman, 1970: 580.  
*Andrena* (*Xiphandrena*) LaBerge, 1971b: 504.

Family Apidae Latreille

- Canephorulini** Michener, LaBerge, & Moure, 1955a: 207.  
**Agapanthinus** LaBerge, 1957: 35.  
*Alloscirtetica* (*Dasyscirtetica*) Michener, LaBerge, & Moure, 1955b: 218.  
*Alloscirtetica* *cinerea* Michener, LaBerge, & Moure, 1955b: 216.  
*Alloscirtetica* *weyrauchi* Michener, LaBerge, & Moure, 1955b: 215.  
**Dasyhalonia** Michener, LaBerge, & Moure, 1955b: 226.  
**Deltoptila** LaBerge & Michener, 1963: 212.  
*Deltoptila* *afimbriata* LaBerge & Michener, 1963: 217.

- Deltoptila pexata* LaBerge & Michener, 1963: 223.  
**Gaesischia** Michener, LaBerge, & Moure, 1955b: 220.  
*Gaesischia* (**Gaesischiana**) Michener, LaBerge, & Moure, 1955b: 224.  
*Gaesischia* (**Gaesischiana**) *exul* Michener, LaBerge, & Moure, 1955b: 224.  
*Gaesischia* (**Gaesischiopsis**) Michener, LaBerge, & Moure, 1955b: 221.  
*Gaesischia* (**Gaesischiopsis**) *flavoclypeata* Michener, LaBerge, & Moure, 1955b: 222.  
*Gaesischia* (**Prodasyhalonia**) LaBerge, 1958a: 199.  
*Gaesischia* (**Prodasyhalonia**) *mexicana* LaBerge, 1958a: 199.  
**Loxoptilus** LaBerge, 1957: 28.  
*Loxoptilus* *brevifellator* LaBerge, 1957: 41.  
*Loxoptilus* *longifellator* LaBerge, 1957: 39.  
*Martinapis* *occidentalis* Zavortink & LaBerge, 1976: 121.  
**Melissodes** (**Apomelissodes**) LaBerge, 1956a: 1175.  
*Melissodes* (**Apomelissodes**) *mitchelli* LaBerge, 1956b: 556.  
**Melissodes** (**Brachymelissodes**) LaBerge, 1956a: 926.  
*Melissodes* (**Brachymelissodes**) *minima* LaBerge, 1956a: 931.  
**Melissodes** (**Callimelissodes**) LaBerge, 1961: 294.  
*Melissodes* (**Callimelissodes**) *clarkiae* LaBerge, 1961: 315.  
*Melissodes* (**Callimelissodes**) *lustra* LaBerge, 1961: 334.  
*Melissodes* (**Callimelissodes**) *minuscula* LaBerge, 1961: 323.  
*Melissodes* (**Callimelissodes**) *nigracauda* LaBerge, 1961: 327.  
*Melissodes* (**Callimelissodes**) *plumosa* LaBerge, 1961: 308.  
*Melissodes* (**Callimelissodes**) *tribas* LaBerge, 1961: 326.  
*Melissodes* (**Eclectica**) *haitiensis* LaBerge, 1961: 655.  
*Melissodes* (**Epimelissodes**) *aegis* LaBerge, 1956a: 959.  
*Melissodes* (**Epimelissodes**) *atripes atrimitra* LaBerge, 1956a: 949.  
*Melissodes* (**Epimelissodes**) *nitida* LaBerge, 1956a: 969.  
*Melissodes* (**Epimelissodes**) *sabinensis nubila* LaBerge, 1956a: 1024.  
*Melissodes* (**Epimelissodes**) *silva* LaBerge, 1956a: 1002.  
*Melissodes* (**Epimelissodes**) *texana eluta* LaBerge, 1956a: 1000.  
**Melissodes** (**Eumelissodes**) LaBerge, 1956a: 1177.  
*Melissodes* (**Eumelissodes**) *appressa* LaBerge, 1961: 616.  
*Melissodes* (**Eumelissodes**) *bicolorata* LaBerge, 1961: 441.  
*Melissodes* (**Eumelissodes**) *bimatris* LaBerge, 1961: 431.  
*Melissodes* (**Eumelissodes**) *brevipyga* LaBerge, 1961: 606.  
*Melissodes* (**Eumelissodes**) *cerussata* LaBerge, 1961: 436.  
*Melissodes* (**Eumelissodes**) *comata* LaBerge, 1961: 503.  
*Melissodes* (**Eumelissodes**) *crocina* LaBerge, 1961: 652.  
*Melissodes* (**Eumelissodes**) *elegans* LaBerge, 1961: 490.  
*Melissodes* (**Eumelissodes**) *exilis* LaBerge, 1961: 648.  
*Melissodes* (**Eumelissodes**) *expolita* LaBerge, 1961: 505.  
*Melissodes* (**Eumelissodes**) *fasciatella* LaBerge, 1961: 445.  
*Melissodes* (**Eumelissodes**) *fumosa* LaBerge, 1961: 486.  
*Melissodes* (**Eumelissodes**) *gelida* LaBerge, 1961: 575.  
*Melissodes* (**Eumelissodes**) *hurdi* LaBerge, 1961: 526.  
*Melissodes* (**Eumelissodes**) *interrupta* LaBerge, 1961: 507.  
*Melissodes* (**Eumelissodes**) *limbus* LaBerge, 1961: 585.  
*Melissodes* (**Eumelissodes**) *lutulenta* LaBerge, 1961: 599.  
*Melissodes* (**Eumelissodes**) *micheneri* LaBerge, 1961: 642.  
*Melissodes* (**Eumelissodes**) *monoensis* LaBerge, 1961: 623.  
*Melissodes* (**Eumelissodes**) *ochraea* LaBerge, 1961: 428.  
*Melissodes* (**Eumelissodes**) *paucipuncta* LaBerge, 1961: 650.  
*Melissodes* (**Eumelissodes**) *paulula* LaBerge, 1961: 631.  
*Melissodes* (**Eumelissodes**) *perpolita* LaBerge, 1961: 443.

- Melissodes (Eumelissodes) pexa* LaBerge, 1961: 621.  
*Melissodes (Eumelissodes) pilleata* LaBerge, 1961: 459.  
*Melissodes (Eumelissodes) pullatella* LaBerge, 1961: 620.  
*Melissodes (Eumelissodes) relucens* LaBerge, 1961: 437.  
*Melissodes (Eumelissodes) rufipes* LaBerge, 1961: 590.  
*Melissodes (Eumelissodes) subillata* LaBerge, 1961: 568.  
*Melissodes (Eumelissodes) terminata* LaBerge, 1961: 641.  
*Melissodes (Eumelissodes) tincta* LaBerge, 1961: 493.  
*Melissodes (Eumelissodes) utahensis* LaBerge, 1961: 602.  
*Melissodes (Eumelissodes) vernalis* LaBerge, 1961: 608.  
*Melissodes (Heliomelissodes)* LaBerge, 1956a: 1172.  
*Melissodes (Idiomelissodes)* LaBerge, 1956a: 1027.  
*Melissodes (Melissodes) bimaculata nulla* LaBerge, 1956a: 1109.  
*Melissodes (Melissodes) blanda* LaBerge, 1956a: 1084.  
*Melissodes (Melissodes) cubensis* LaBerge, 1956a: 1078.  
*Melissodes (Melissodes) elusa* LaBerge, 1956a: 1061.  
*Melissodes (Melissodes) flexa* LaBerge, 1956a: 1064.  
*Melissodes (Melissodes) maesta* LaBerge, 1956a: 1095.  
*Melissodes (Melissodes) tepida yumensis* LaBerge, 1956a: 1128.  
*Melissodes (Melissodes) tescorum* LaBerge, 1963b: 236.  
*Melissodes (Melissodes) tesellata* LaBerge, 1956a: 1157.  
*Melissodes (Melissodes) thelypodii stulta* LaBerge, 1956a: 1073.  
*Melissodes (Psilomelissodes)* LaBerge, 1956a: 1173.  
*Melissodes (Tachymelissodes)* LaBerge, 1956a: 1170.  
*Melissodes (Tachymelissodes) sonorensis* LaBerge, 1963b: 229.  
*Pectinapis* LaBerge, 1970: 322.  
*Pectinapis auricauda* LaBerge, 1970: 326.  
*Pectinapis fasciata* LaBerge, 1970: 324.  
*Pectinapis fasciatella* LaBerge, 1970: 324.  
*Pectinapis salviae* LaBerge, 1989a: 526.  
*Svastra (Epimelissodes) friesei* LaBerge, 1958b: 268.  
*Svastra (Epimelissodes) pallidior* LaBerge, 1963c: 52.  
*Svastrides* Michener, LaBerge, & Moure, 1955b: 220.  
*Syntrichalonia* LaBerge, 1957: 10.  
*Syntrichalonia fuliginea* LaBerge, 1994a: 283.  
*Tetraloniella ayala* LaBerge, 2001: 87.  
*Tetraloniella balluca* LaBerge, 2001: 101.  
*Tetraloniella cacuminis* LaBerge, 2001: 133.  
*Tetraloniella distata* LaBerge, 2001: 137.  
*Tetraloniella fastigiata* LaBerge, 2001: 118.  
*Tetraloniella incana* LaBerge, 2001: 100.  
*Tetraloniella jaliscoensis* LaBerge, 2001: 127.  
*Tetraloniella michoacanensis* LaBerge, 2001: 125.  
*Tetraloniella minutilla* LaBerge, 2001: 120.  
*Tetraloniella noguera* LaBerge, 2001: 123.  
*Tetraloniella ochraea* LaBerge, 2001: 110.  
*Tetraloniella paenalbata* LaBerge, 2001: 109.  
*Tetraloniella pennata* LaBerge, 2001: 145.  
*Tetraloniella silaceae* LaBerge, 2001: 83.  
*Tetraloniella sphaeralceae* LaBerge, 2001: 143.  
*Tetraloniella trabeata* LaBerge, 2001: 85.  
*Tetraloniella vandykei* LaBerge, 2001: 105.  
*Tetraloniella yanega* LaBerge, 2001: 104.

## APPENDIX II

**Eponymy**

The following are those eponyms we are aware of that honor LaBerge. The names, all specific epithets, are distributed across four families of insects (five of Hymenoptera, one of Coleoptera) and one family of arachnids.

Class Insecta Linnaeus  
Order Hymenoptera Linnaeus  
Family Andrenidae Latreille

*Andrena (Hoplandrena) labergeiella* Gusenleitner, 1998

*Andrena (Micrandrena) labergei* Ribble, 1968

*Perdita (Perdita) labergei* Timberlake, 1960

Family Colletidae Lepeletier de Saint Fargeau

*Palaeorhiza (Palaeorhiza) labergei* Hirashima & Abe, 2011

Family Megachilidae Latreille

*Anthidium (Anthidium) labergei* Gonzalez & Griswold, 2013

Order Coleoptera Linnaeus  
Family Chrysomelidae Latreille

*Proctophana labergei* Moldenke, 1981

Class Arachnida Lamarck  
Order Mesostigmata Canestrini  
Family Uropodidae Kramer

*Antennequesoma labergei* Elzinga, 1982 [Acari]





# Journal of JM Melittology

A Journal of Bee Biology, Ecology, Evolution, & Systematics

---

The *Journal of Melittology* is an international, open access journal that seeks to rapidly disseminate the results of research conducted on bees (Apoidea: Anthophila) in their broadest sense. Our mission is to promote the understanding and conservation of wild and managed bees and to facilitate communication and collaboration among researchers and the public worldwide. The *Journal* covers all aspects of bee research including but not limited to: anatomy, behavioral ecology, biodiversity, biogeography, chemical ecology, comparative morphology, conservation, cultural aspects, cytogenetics, ecology, ethnobiology, history, identification (keys), invasion ecology, management, melittopalynology, molecular ecology, neurobiology, occurrence data, paleontology, parasitism, phenology, phylogeny, physiology, pollination biology, sociobiology, systematics, and taxonomy.

The *Journal of Melittology* was established at the University of Kansas through the efforts of Michael S. Engel, Victor H. Gonzalez, Ismael A. Hinojosa-Díaz, and Charles D. Michener in 2013 and each article is published as its own number, with issues appearing online as soon as they are ready. Papers are composed using Microsoft Word® and Adobe InDesign® in Lawrence, Kansas, USA.

---

**Editor-in-Chief**

Michael S. Engel  
*University of Kansas*

**Assistant Editors**

Victor H. Gonzalez  
*Southwestern Oklahoma State University*

Charles D. Michener  
*University of Kansas*

*Journal of Melittology* is registered in ZooBank ([www.zoobank.org](http://www.zoobank.org)), archived at the University of Kansas and in Portico ([www.portico.org](http://www.portico.org)), and printed on demand by Southwestern Oklahoma State University Press.

<http://journals.ku.edu/melittology>  
ISSN 2325-4467