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LaBerge (1927-2013).

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## BIOGRAPHY

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

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**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.

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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-

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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).

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## 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.

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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.
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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.
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41. LaBerge, W.E., & D.F. Schoeneweiss. 1967g. Redressing the balance. *Illinois Natural History Survey Reports* 59: 2-3.
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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.
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## 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]





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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.

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