

CURRICULUM VITAE

Robert Lee Wallace

Patricia and Philip McCullough Professor of Biology, *Emeritus*

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Education:

- Ph.D. 1975 Dartmouth College, Hanover, NH 03755 (Biology; major areas Aquatic Ecology; Invertebrate Zoology): Dr. John J. Gilbert, mentor.
B.S. 1970 University of Rhode Island, Kingston, RI 02881 (major Zoology; minor Chemistry).

Professional Development:

- 2023, 2024 Adjunct Professor (spring semesters)
2019– Professor emeritus
2012–2024 Green Lake Association (Board Member) Environmental Action association
2014–2015 Chair, Dean of Faculty Search Committee
2003– Patricia and Philip McCullough 1969 Professorship in Biology
1998–2002 Coordinator of Faculty Development, Ripon College.
1996–1999 Chair, Department of Biology.
1996–1997 Faculty Liaison to the construction company during the science building renovation.
1992–1996 Chair, Farr Hall (science building) Renovation Committee.
1991– Professor, Department of Biology.
1984–1990 Chair, Department of Biology.
1983–1991 Associate Professor, Department of Biology.
1980, 1981 Visiting, Assistant Professor of Research, (summers), Department of Biological Sciences, Dartmouth College, Hanover, NH 03755.
1977–1983 Assistant Professor, Department of Biology, Ripon College, Ripon, Wisconsin 54971.
1975–1977 Research Associate (Postdoc), Department of Zoology (NJ-15), University of Washington, Seattle, Washington 98195. Dr. W.T. Edmondson (deceased): mentor.
1975 Visiting Assistant Professor, Department of Biological Sciences, Dartmouth College, Hanover, New Hampshire 03755.

Editorial Boards:

- Animals: Aquatic Animals section, Academic Editor. (2018–current) —
<https://www.mdpi.com/journal/animals/editors>
Hydrobiology: (2021–current) — https://www.mdpi.com/journal/hydrobiology/editors?page_no=2

Professional Memberships:

American Association for the Advancement of Science; American Microscopical Society; American Society of Limnology and Oceanography; Association of College and University Biology Educators; Ecological Society of America; Societas Internationalis Limnologiae.

Honorary Societies:

Phi Kappa Phi (Academic Honor Society); Phi Sigma Society (Biological Academic Honor Society); Sigma Xi (the Scientific Research Society of N.A.)

Grants Awarded:

- 1975 Ecology of Sessile Rotifers (W.T. Edmondson and R.L. Wallace (co-principal investigators) NSF BMS 75-03107.
- 1977 Above renewed. DEB 75-03175 A01.
- 1980 Small-College, Faculty Supplement Award to Research Grant DEB 78-02882; R.L. Wallace Small-College Faculty Member.
- 1981 Above renewed.
- 1982 Clearance rate of sessile rotifers. American Philosophy Society, Research Grant. (Penrose-21000).
- 1984 Acquisition of research microscopes and accessories. NSF-RUI grant for research microscopes and related materials; BSR-8405157. Co-PIs: G.H. Wittler and J.C. Tryon.
- 1988 Distribution of the gregarine parasite *Monocystis* in the earthworm *Lumbricus terrestris*. Associated Colleges of the Midwest Minority Scholar Grant to J. Hayashi; R.L. Wallace, mentor.
- 1989 Above renewed. Associated Colleges of the Midwest.
- 1989 Aquatic Research. Bing Farms, Inc.
- 1992 Associated Colleges of the Midwest Minority Scholar Grant to A. Felix (R.L. Wallace, mentor.)
- 1999 Ripon College, Professional Collaboration Grant: Limnological investigations on Green Lake.
- 2001 Ripon College, Professional Development Grant: Rotifer taxonomy.
- 2001 Underkofler Award, teaching award.
- 2003 Ripon College, Professional Collaboration Grant: Limnological investigations on White Lake.
- 2004 WISC grant to Drs. E.J. Walsh (PI) and R.L. Wallace (Co-PI). Life on the edge: Community structure of basal microinvertebrate consumers in endangered springs and ephemeral waters of the Chihuahuan Desert (US and Mexico). =
- 2004 Ripon College, Professional Collaboration Grant: Limnological investigations on White Lake.
- 2005 Associated Colleges of the Midwest, FaCE Project: *A tale of two projects: enhancing scholarship and teaching in one bite*.
- 2005 National Science Foundation: *Community composition and phylogeography of microinvertebrates of Chihuahuan Desert waters (U.S. and Mexico)*. 2005–2007. (Dr. E.J. Walsh, with UTEP as lead institution and RLW as a contracted collaborator; Ripon).
- 2012 Ripon College, Trustee Grant: *3-D visualization of rotifer trophi*.
- 2013 National Science Foundation (DEB 1257116): *Collaborative Research: Integrating genetics, life history, and morphology to understand the diversification of an enigmatic metazoan lineage*. 2013–2017. (Drs. E.J. Walsh (UTEP), R. Hochberg (UML), and R.L. Wallace (Ripon).
- 2014 National Science Foundation (CHE 1429616): *MRI: Acquisition of a Liquid Chromatography/Mass Spectrometer for Accurate-Mass Determination and Complex Mixture Analysis*. (Drs. P.H. Willoughby, C.M. Bryon, and R.L. Wallace).
- 2015 NSF 1257116 — REU Supplemental Award request to *Collaborative Research: Integrating genetics, life history, and morphology to understand the diversification of an enigmatic metazoan lineage*.
- 2015 Underkofler Award, teaching award.
- 2021 National Science Foundation (DEB 2051710): *Collaborative Research: Life cycle evolution in Rotifera: The influence of sexual reproduction on contemporary systematics of Monogononta*. 2013–2017. (Drs. R. Hochberg (UML), E.J. Walsh & J.E. Mohl (UTEP), and R.L. Wallace (Ripon).

Teaching Experience:

I routinely taught the following courses: Introductory Biology (both majors and non-majors, both with lab), Invertebrate Zoology, Limnology, Scientific Writing in Biology, Microbiology, and Marine Field Ecology (with field trip). As the demand required, I have taught, Parasitology (5x), Cell Physiology (2x), and Environmental Studies (topical seminars, 2x). In the summer (>10 years) I taught *Insect Biology* to 3–7 graders in the Ripon College, community outreach program called “Advanced College Experience.”

Honors:

I have been recognized as a May Bumby Severy Professor (for Teaching Excellence) at Ripon College on four different occasions (1981, 1982, 1993, 1996, 2006); in 2001 and again in 2015, I was awarded the James R. Underkofler Excellence in Undergraduate Teaching Award. In 1994, 2001, and 2014 I was the Ripon College nominee for the CASE Professor Award, a national award based on teaching excellence.

Currently I am the Patricia and Philip McCullough Professor of Biology, emeritus. At the 2004 annual meetings of the Association of College and University Biology Educators (ACUBE) I was awarded the “Out of this world teaching idea.”

Publications: Undergraduate students (Ripon* or UTEP‡) at the time the research was started): I proscribe to the Boyer Model of the Professoriate¹. Here I the meaning of his categories in my terms.

Discovery (D) — This category covers contributions to the stock of human knowledge and at the same time contributing to the intellectual climate of one's own institution. (* = Undergraduate students).

Integration (I) — A category of discovery that gives new meaning to isolated facts. **Application (A)** — This category covers service and activities directed to one's special fields of knowledge, including to the infrastructure of one's discipline (e.g., book reviews, n=23); service to Ripon College is documented in my annual *Addendum to Vitae*. **Teaching (T)** — While teaching is a dynamic endeavor involving both educating and exciting students to become informed citizens and, for those who go on to post-graduate education, it is more than just the local sage on the stage; it involves sharing ones ideas with the wider world, both academic and non-academic; here I list publications.

Abstracts: Over the years starting with 1974, my colleagues I have presented numerous abstracts; none of them are accounted for here. These abstracts represent oral or poster presentations at scientific meetings: e.g., American Society of Limnology and Oceanography, American Society of Zoology, Association of College and University Biology Educators, Ecological Society of America, International Society of Limnology – Societas Internationalis Limnologiae (SIL), International Rotifer Symposia, International Zooplankton Meetings, Italian Zoological Society, Benelux Congress of Zoology. I estimate that perhaps up to 50% of the scientific publications listed below were presented at a meeting (either national or international) before being submitted for publication in a journal.

While none of the work I did was very important, it was very important that I do a great deal of it. — Modified, Joseph Heller

Discovery (D) Integration (I) Application (A) Teaching (T)

1. **Wallace, R.L.** 1975. Larval behavior of the sessile rotifer *Ptygura beauchampi* (Edmondson). *Verhandlungen Internationale Vereinigung Limnologie* 19: 2811–2815. <https://doi.org/10.1080/03680770.1974.11896382>. **D**
2. **Wallace, R.L.** 1977a. Distribution of sessile rotifers in an acid bog pond. *Archiv für Hydrobiologie* 79(4): 478–505. **D**
3. **Wallace, R.L.** 1977b. Adaptive advantages of substrate selection by sessile rotifers. *Archiv für Hydrobiologie Beih.* 8: 53–55. **D**
4. **Wallace, R.L.** 1977c. Substrate discrimination by larvae of the sessile rotifer *Ptygura beauchampi* Edmondson. *Freshwater Biology* 7: 301–309. <https://doi.org/10.1111/j.1365-2427.1977.tb01678.x> **D**
5. **Wallace, R.L.** 1978. Substrate selection by larvae of the sessile rotifer *Ptygura beauchampi*. *Ecology* 59: 221–227. <https://doi.org/10.2307/1936366>. **D**
6. **Wallace, R.L.** 1980. Ecology of sessile rotifers. *Hydrobiologia* 73: 181–193. https://doi.org/10.1007/978-94-009-9209-2_31. **I**
7. **Wallace, R.L.** & R.L. Starkweather. 1983. Clearance rates of sessile rotifers: *In situ* determinations. *Hydrobiologia*. 104: 379–383. https://doi.org/10.1007/978-94-009-7287-2_51. **D**
8. **Wallace, R.L.** & P.L. Starkweather. 1985. Clearance rates of sessile rotifers: *In vitro* determinations. *Hydrobiologia* 121: 139–144. <https://doi.org/10.1007/BF00008716>. **D**

¹ – Boyer (1990) *Scholarship reconsidered: priorities of the professoriate*. The Carnegie Foundation for the Advancement of Teaching. 81 pp.

9. **Wallace, R.L.** and W.T. Edmondson. 1986. Mechanism and adaptive significance of substrate selection by the sessile rotifer *Collotheca gracilipes*. *Ecology* 67 (2): 314–323. <https://doi.org/10.2307/1938575>. **D**
10. **Wallace, R.L.** 1987. Coloniality in the phylum Rotifera. *Hydrobiologia*. 147: 141–155. https://doi.org/10.1007/978-94-009-4059-8_20 **I**
11. **Wallace, R.L.** 1988. Use of a local information retrieval system (DATATRIEVE) by undergraduates. *Bioscene* 14(1): 31–33. <NB: a peer reviewed, regional journal dedicated to college biology teaching.> **T**
12. **Wallace, R.L.** & R.A. Colburn*. 1989. Phylogenetic relationships within phylum Rotifera: orders and genus *Notholca*. *Hydrobiologia* 186/187: 311–318. https://doi.org/10.1007/978-94-009-0465-1_37. **D**
13. **Wallace, R.L.**, W.K. Taylor, & J.R. Litton. 1989. *Invertebrate Zoology*, 4th ed. Macmillan Publ. Co., N.Y. 337 pages. ISBN 0-02-307763-8 **T**
14. **Wallace, R.L.** & W.K. Taylor. 1989. *Instructor's Guide to the Revision of Beck and Braithwaite's Invertebrate Zoology laboratory Manual*. Macmillan Publ. Co., New York, 82 pages. ISBN 0-02-307764-6 **T**
15. **Wallace, R.L.** and T.W. Snell. 1991. Rotifera. Chapter 8. Pages 187–248, in *Ecology and Classification of North American Freshwater Invertebrates* (J. Thorp and A. Covich, eds.). Academic Press. New York. **I**
16. **Wallace, R.L.** 1992. *Instructor's Manual and Test Bank to accompany James Nybakken's textbook Marine Biology, an ecological approach*. 3rd edition. HarperCollins College Publ., New York, 149 pages. ISBN 0-06-500823-5 **T**
17. Nogrady, T., **R.L. Wallace**, & T.W. Snell. 1993. Rotifera: Volume 1 Biology, Ecology and Systematics. *Guides to the Identification of the Microinvertebrates of the Continental Waters of the World* (Dumont, H.J., ed.). SPB Academic Publishers bv, The Hague, The Netherlands. 142 pp **I**
18. **Wallace, R.L.** 1993. Presence of anisotropic (birefringent) crystalline structures in embryonic and juvenile monogonont rotifers. *Hydrobiologia* 255/257: 71-76. https://doi.org/10.1007/978-94-011-1606-0_9. **D**
19. **Wallace, R.L.** 1993. Phylogeny of the phylum Rotifera: a workshop. *Hydrobiologia* 255/257: 491–493. https://doi.org/10.1007/978-94-011-1606-0_65. **I**
20. Felix, A.,* M.E. Stevens, & **R.L. Wallace**. 1995. Unpalatability of a colonial rotifer, *Sinantherina socialis*, to small zooplanktivorous fishes. *Invertebrate Biology* 114(2): 139–144. <https://doi.org/10.2307/3226885>. **D**
21. **Wallace, R.L.**, C. Ricci, and G. Melone. 1995. Through Alice's Looking Glass: a cladistic analysis of pseudocoelomate anatomy. Pages 61–67, in *Body cavities: function and phylogeny*. (G. Lanzavecchia, R. Valvassori, and M.D. Candia Carnevali, eds.). Selected Symposia and Monographs Unione Zoologica Italiana, 8, Mucchi, Modena. **I**
22. Nogrady, T. & **R.L. Wallace**. 1995. Numerical taxonomy of the genus *Notholca*. *Hydrobiologia* 313/314: 99–104. <https://doi.org/10.1007/BF00025936>. **D**
23. Bevington, D.,* White, C.,* & **R.L. Wallace**. 1995. Predatory behaviors of *Cupelopagis vorax* (Rotifera, Collothecacea; Atrochidae) on protozoan prey. *Hydrobiologia* 313/314: 213–217. <https://doi.org/10.1007/BF00025953>. **D**
24. **Wallace, R.L.** 1995. *Student Study Guide to accompany David Ross Introduction to Oceanography*. HarperCollins College Publ. Inc. New York, 195 pages. ISBN 0-673-46939-5 **T**
25. **Wallace, R.L.** 1996. *Instructor's Manual and Test Bank to accompany James Nybakken's textbook Marine Biology, an ecological approach*. 4th edition. HarperCollins College Publ., NY. ISBN 0-673-97009-4 **T**

26. **Wallace, R.L.**, Ricci, C. and Melone, G. 1996. A cladistic analysis of pseudocoelomate (aschelminth) morphology. *Invertebrate Biology* 115(2): 104–112. <https://doi.org/10.2307/3227041>. **D**
27. **Wallace, R.L.** & W.K. Taylor. 1997. *Invertebrate Zoology*, 5th ed. Prentice Hall, NJ. ISBN 0-13-270026-3 **T**
28. **Wallace, R.L.** 1997. Problems and Issues for the classroom: What works in generating class discussions using the method of Shared Inquiry. *Bioscene* 23(3): 9–11. **T**
29. Melone, G. C. Ricci, & **R.L. Wallace**. 1998. Phylogenetic relationships of Acanthocephala and Rotifera: morphological vs. molecular approaches. Pages 57–62, in *1° Colloquio Nazionale di Sistematica Cladistica*. (G. Cristofolini & A. Minelli, eds.). Memorie del Museo Civico di Storia Naturale di Verona (2° Serie). **D**
30. Wurdak, E., **R. Wallace**, & H. Seger. 1998. Preface. *Hydrobiologia* 387/388: xi–xii. **A**
31. Melone, G., Ricci, C., Segers, H., & **R.L. Wallace**. 1998. Phylogenetic relationships of phylum Rotifer with emphasis on the families of Bdelloidea. *Hydrobiologia* 387/388: 101–107. <https://doi.org/10.1023/A:1017057619574>. **I**
32. **Wallace, R.L.**, J.J. Cipro*, & R.W. Grubbs*. 1998. Relative investment in offspring by sessile Rotifera. *Hydrobiologia* 387/388: 311–316. https://doi.org/10.1007/978-94-011-4782-8_40. **D**
33. **Wallace, R.L.**, 1999. Rotifera. In *Encyclopedia of Reproduction*, Volume 4. E. Knobil and J.D. Neill (eds.), pp. 290–301. Academic Press. San Diego, CA. **T**
34. Verb, R.G., M.L. Vis, D.W. Ott, & **R.L. Wallace**. 1999. New records of *Vaucheria* species (Xanthophyceae) with associated *Proales werneckii* (Rotifera) from North America. *Cryptogamie Algologie* 20(2): 67–73. **D**
35. **Wallace, R.L.** 2000. Priapulida. *Encyclopedia of Life Sciences*. Macmillan Publishers Ltd. [electronic publication #1592; consult — <http://www.els.net>] **T**
36. **Wallace, R.L.** 2000. Rotifera. *Encyclopedia of Life Sciences*. Macmillan Publishers Ltd. [electronic publication #1588; consult — <http://www.els.net>] **T**
37. **Wallace, R.L.** 2000. On a charismatic microfauna. Book Review: *The Biology of Calanoid Copepods*. (Advances in Marine Biology, Vol. 33 (John Mauchline). Academic Press, San Diego, 1998. 710 pp., illus.) *BioScience* 50(9): 827–829. **A**
38. **Wallace, R.L.** 2001. *Instructor's manual and test bank* to accompany James W. Nybakken, *Marine biology: An ecological approach*, 5th Edition. Addison Wesley Longman, Inc. ISBN: 0-8053-4214-1 **T**
39. **Wallace, R.L.** & T.W. Snell. 2001. Rotifera. Chapter 8. In *Ecology and classifications of North American freshwater invertebrates*, 2nd edition. pp 173–235. (J. Thorp and A. Covich, eds.). Elsevier Inc., Amsterdam. **T**
40. Segers, H. & **R.L. Wallace**. 2001 Contribution to a revision of Family Conochilidae (Rotifera; Monogononta; Flosculariacea). *Zoologica Scripta* 30(1): 37–48. <https://doi.org/10.1046/j.1463-6409.2001.00048.x>. **D**
41. **Wallace, R.L.**, J.J. Gilbert, & C. King. 2001. In memoriam: W.T. Edmondson (1916–2000). *Hydrobiologia* 446/447: xv–xxi. **A**
42. **Wallace, R.L.**, D.W. Ott, S.L. Stiles, & C.K. Oldham-Ott. 2001. Bed and Breakfast: the parasitic life of *Proales werneckii* (Ploimida: Proalidae) within the alga *Vaucheria* (Xanthophyceae: Vaucheriales). *Hydrobiologia* 446/447: 129–137. https://doi.org/10.1007/978-94-010-0756-6_19. **D**
43. **Wallace, R.L.** and C. Ricci. 2002. Rotifera. Pages 15–44. In S.D. Rundle, A.L. Robertson and J.M. Schmid-Araya (eds.). *Freshwater Meiofauna: Biology and Ecology*. Backhuys Publishers, Leiden. The Netherlands. ISBN 90-5782-109-5 **I**
44. **Wallace, R.L.** & W.K. Taylor. 2002. *Invertebrate Zoology*, 6th ed. Prentice Hall, NJ. ISBN 0-13-042937-6 **T**

45. **Wallace, R.L.** 2002. Rotifers: exquisite Metazoans. *Integrative and Comparative Biology* 42: 660–667. <https://doi.org/10.1093/icb/42.3.660>. **I**
46. Fontaneto, D. G. Melone, & **R.L. Wallace**. 2003. Morphology of *Floscularia ringens* (Rotifera, Monogononta) from egg to adult. *Invertebrate Biology* 122: 231–240. **D**
47. **Wallace, R.L.**, & W.S. Brooks. 2003. A dinosaur trackways exercise. *Bioscene*. 29(3): 3–7. **T**
48. Walsh, E. & **R.L. Wallace**. 2003. Life on the edge: an evaluation of the health of Chihuahuan Desert waters. *Chihuahuan Desert Discovery* 49(2): 25. **A**
49. **Wallace, R.L.** 2004. Choice review of *Ecosystems and human well-being: a framework for assessment* by Joseph Alcamo et al. Island Press, 2003. 245p. Choice 41(8). **A**
50. **Wallace, R.L.** 2004. Choice review of *The Frank J. Myers Rotifera Collection: an illustrated catalog*, by Jersabek, Christian D. Academy of Natural Sciences of Philadelphia, 2003. Choice 41(9). **A**
51. **Wallace, R.L.** 2005. Instructor's Manual and Test Bank for *Marine Biology, an ecological approach*. 6th edition by James Nybakken's and Mark D. Bertness. Pearson Education, Inc. Benjamin Cummings. San Francisco, CA. 185 pages. ISBN 0-8053-4585-X **T**
52. **Wallace, R.L.** 2005. Teaching population growth using a culture of the vinegar eel, *Turbatrix acetii* (Nematoda). *Bioscene, Journal of College Biology Teaching*. 31(1): 21–25. **T**
53. Walsh, E.J., **R.L. Wallace**, & R.J. Shiel. 2005. Toward a Better Understanding of the Phylogeny of the Asplanchnidae (Rotifera). *Hydrobiologia* 546(1): 71–80. <https://doi.org/10.1007/s10750-005-4103-8>. **D**
54. **Wallace, R.L.**, E.J. Walsh, M.L. Arroyo, & P.L. Starkweather. 2005. Life on the Edge: Rotifers From Springs and Ephemeral Waters in the Chihuahuan Desert, Big Bend National Park (Texas, USA). *Hydrobiologia* 546(1): 147–157. <https://doi.org/10.1007/s10750-005-4112-7>. **D**
55. Beres, K., **R.L. Wallace**, & H. Segers. 2005. Rotifers and Hubbell's Unified Neutral Theory of biodiversity and biogeography. *Natural Resource Modeling* 18(3): 363–376. <https://doi.org/10.1111/j.1939-7445.2005.tb00163.x>. **D**
56. **Wallace, R.L.** 2006. Choice review of *Aquatic Foods Webs: an ecosystem approach*. Oxford University Press, by Belgrano, A., U.M. Scharler, J. Dunne, and R.E. Ulanowica. (eds.). 2005. Oxford. UK. Choice 43(5). **A**
57. **Wallace, R.L.**, T.W. Snell, C. Ricci, & T. Nogrady. 2006. Rotifera: Volume 1 Biology, Ecology and Systematics (2nd ed.). *Guides to the Identification of the Microinvertebrates of the Continental Waters of the World 23* (Segers, H., ed.). Kenobi Productions, Ghent, and Backhuys Publishers, Leiden. **I**
58. Walsh, E.J., M. Salazar, J. Ramirez, O. Moldes, & **R.L. Wallace**. 2006. Predation invertebrate predators on the colonial rotifer, *Sinantherina socialis*. *Invertebrate Biology* 125(4): 325–335. <https://doi.org/10.1111/j.1744-7410.2006.00064.x>. **D**
59. **Wallace, R.L.** 2007. Choice review of *The Biology of Temporary Waters*, by D. Dudley Williams. Oxford University Press, Oxford. 2006. 337p. Choice 44(11). **A**
60. Walsh, E.J., T. Schröder, M.L. Arroyo, & **R.L. Wallace**. 2007. How well do single samples reflect rotifer species diversity? A test based on interannual variation of rotifer communities in Big Bend National Park (Texas, USA). *Hydrobiologia* 593: 39–47. <https://doi.org/10.1007/s10750-007-9048-7>. **D**
61. **Wallace, R.L.**, E.J. Walsh, R. Rico-Martinez, J.V. Rios Arana, & T. Schröder. 2008. Species composition and distribution of rotifers in Chihuahuan desert waters: is everything everywhere? *Verhandlungen Internationale Vereinigung Limnologie* 30(1): 73–76. <https://doi.org/10.1080/03680770.2008.11902087>. **D**
62. **Wallace, R.L.** 2008. Choice review of *An introduction to the aquatic insects of North America*. (R.W. Merritt, K.W. Cummins, and M.B. Berg). Kendall Hunt, 2008. Choice 45(7). **A**

63. Walsh, E.J., T. Schröder, **R.L. Wallace**, J.V. Ríos-Arana, & R. Rico-Martínez. 2008. Rotifers from selected inland saline waters in the Chihuahuan Desert of México. *Saline Systems* 4:7. <https://doi.org/10.1186/1746-1448-4-7> // Available from: <http://www.salinesystems.org/content/4/1/7> **D**
64. **Wallace, R.L.** & H.A. Smith*. 2009. Rotifera. In: Gene E. Likens, (Ed.) *Encyclopedia of Inland Waters*. Volume 3, pp. 689–703. Oxford: Elsevier. [Electronic]. **T**
65. Smith*, H.A., J. Ejsmont-Karabin, T. Hess, & **R.L. Wallace**. 2009. Paradox of planktonic rotifers: similar structure but unique trajectories in communities of the Great Masurian Lakes (Poland). *Verhandlungen Internationale Vereinigung Limnologie* 30(6): 951–956. <https://doi.org/10.1080/03680770.2009.11902278>. **D**
66. **Wallace, R.L.** 2009. Choice review of *Aridland springs in North America: ecology and conservation*. (Lawrence E. Stevens and Vicky J. Meretsky, eds.). Arizona/Arizona-Sonora Desert Museum, 2008. *Choice* 56(8). **A**
67. Walsh, E.J. T. Schröder, **R.L. Wallace**, and G. Santos Medrano. 2009. Cryptic speciation in Chihuahuan Desert zooplankton? I. *Lecane bulla* (Monogononta: Rotifera). *Verhandlungen Internationale Vereinigung Limnologie* 30(7): 1046–1050. <https://doi.org/10.1080/03680770.2009.11902298>. **D**
68. **Wallace, R.L.** 2009. Choice review of *The Mojave Desert: ecosystem processes and sustainability*, edited by Robert H. Webb et al. University of Nevada Press. *Choice* 47(2). **A**
69. Schöll, K. & **R.L. Wallace**. 2009. Obituary: Thomas Nogrady, 1925–2009. *SILnews* 55: 5–6. **A**
70. **Wallace, R.L.** & H. A. Smith*. 2010. Rotifera. Pages 183–197 in G. E. Likens, editor. *Plankton of Inland Waters*. Elsevier, Amsterdam. NB: reprint of Wallace and Smith* 2009. **T**
71. **Wallace, R.L.** & Snell, T.W. 2010. Rotifera. Chapter 8. In: *Ecology and Classifications of North American Freshwater Invertebrates, 3rd edition*. pp 173–235. (Jim Thorp and Alan Covich, eds.) Elsevier. Oxford. **D**
72. Walsh, E.J., T. Schröder, E. Suárez-Morales, R. Rico-Martínez, M. Silva-Briano, J.V. Ríos-Arana, & **R.L. Wallace**. 2010. Limnologists in the desert? *SIL News* 56: 22–23. **A**
73. **Wallace, R.L.** 2010. Choice review of *Mirror Lake: interactions among air, land, and water*, edited by Thomas C. Winter and Gene E. Likens. University of California Press *Choice* 47(9). **A**
74. Walz, N., Schöll, K., **R.L. Wallace**, J.J. Gilbert, P. Clément, & C. Rougier. 2011. *In memoriam*. *Hydrobiologia* 662: 5–9. **A**
75. Obertegger, U., H.A. Smith*, G. Flaim, & **R.L. Wallace**. 2011. Using the guild ratio to characterize pelagic rotifer communities. *Hydrobiologia* 662: 157–162. <https://doi.org/10.1007/s10750-010-0491-5>. **D**
76. **Wallace, R.L.** 2011. Choice review of *Wetland Ecology: Principles and Conservation*, (second edition) by Paul A. Keddy. Cambridge *Choice* 48(8). **A**
77. **Wallace, R.L.** 2011. Choice review of *Chuckwalla land: the riddle of California's desert*, by David Rains Wallace. California *Choice* 49(2). **A**
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160. Araújo, T. Q., Walsh, E.J., Wallace, R.L. & Hochberg, R. 2024. A new brackish water species of *Synchaeta* (Rotifera: Monogononta) from the USA. *European Journal of Taxonomy*. (In press). <https://doi.org/> — not yet assigned. **D**.
161. Lafleur, A., N. Davies, R. Hochberg, E.J. Walsh, & **R.L. Wallace**. (submitted). Key to sessile gnesiotrochan rotifers: *Lacinularia* and *Sinantherina* Monogononta; Flosculariidae). *Zootaxa* **I**.
162. Authors TBD — Phylum Rotifera. In Thorp, J.H. & D.C. Rogers (eds.) Thorp and Covich's freshwater invertebrates, Keys to African rotifers. Vol. 4, 4th ed. Elsevier, New York. (Book chapter – in preparation). **I**.

Discovery (D) Integration (I) Application (A) Teaching (T)

Special invited lecture sessions

2014. Invited Lecture Series: Rotifera – to the faculty and graduate students of the University of Mexico, Iztacala.
2016. Invited Lecture Series: Rotifera – to the faculty and graduate students of the University of Mexico, Iztacala. [Expanded from the 2014 series.]
2024. Invited Lecture Series: Information on Superorder Gnesiotrocha – to the faculty and graduate students of the University of Mexico, Iztacala.

Edited Volumes:

- May, L., **Wallace, R.L.**, and Herzig, A. (eds.). 1987. Rotifer Symposium IV. Dr. W. Junk Publishers, Dordrecht, The Netherlands. ISBN 90-6193-645-4
- Wurdak, E., **Wallace, R.L.**, and Segers, H. (eds.). 1998. Rotifer Symposium VIII. Kluwer Academic Publishers, Dordrecht, The Netherlands. ISBN 0-7923-5571-7
- Sarma, S.S.S., Gulati, R.D., **Wallace, R.L.**, Nandini, S., Dumont, H.J., Rico-Martínez, R. 2007. Rotifer Symposium XI. Springer, Dordrecht, The Netherlands.
- Sharma, B.K., Dumont, H., **Wallace, R.L.** 2014. Special Issue: Rotifera XIII. Rotifer Biology: a Structural and Functional Approach. *International Review of Hydrobiology* 99(1-2): pp. 1–198.

I have reviewed and edited textbooks, chapters in encyclopedic volumes, and other professional works for several publishing houses including Academic Press, Benjamin/Cummings, Elsevier, HarperCollins, Kluwer, Macmillan, Oxford, Prentice Hall, Publications International, and Wm. C Brown.

Newsletters:

Rotifer News, editor 1980–1991. (bi-annually). [New editor took over in 1991. It has subsequently gone extinct]

Commentaries, editorials, and related popular works:

Wallace, R.L. 1994. On the current debate over the destruction of variola - the smallpox virus: (U.S., Russia can work together to destroy last smallpox virus. *The Oregonian*, 12 May 1994; *The Houston Post*, 16 May 1994); (No Mercy for Variola, a Mass Murderer. *St Louis Post-Dispatch*, 28 May 1994); (Big decisions about smallpox. *Providence Journal-Bulletin*, 4 June 1994); (Mass Murdered that Deserves to be Zapped -- Smallpox Virus. *Valley News* 7 June 1994); (It's time to put a mass killer - smallpox - to death. *Ripon Commonwealth Press*, 23 June 1994 and *The Milwaukee Journal*, 26 June 1994).

Exhibits: Photographs posted on the teaching web site of the American Society of Limnology and Oceanography <https://www.aslo.org/> → Media → Online Media Library

I was invited (2015) and submitted material about rotifers to <http://microbestiary.org/>. This web site — developed by Naomi L. Ward, Associate Professor; Dept. of Molecular Biology and Dept. of Botany and H. L. Hix, Professor, Philosophy Dept. and Creative Writing MFA — is an illustrated catalog of animals.