Vinton Thompson
Curriculum Vitae

Professional address:
Division of Invertebrate Zoology
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Education:

AB, Biology, 1969
Harvard University, Cambridge, Massachusetts

PhD, 1974
Committee on Evolutionary Biology,
The University of Chicago, Chicago, Illinois

Academic appointments:

2008-present	Research Associate, Division of Invertebrate Zoology American Museum of Natural History, New York, New York
2004-2008	Professor of Biology Kean University, Union, New Jersey
1998-2007	Research Associate, Division of Insects Field Museum, Chicago, Illinois
2005-present	Professor of Biology, Emeritus Roosevelt University, Chicago, Illinois
1995-2004	Professor of Biology Roosevelt University, Chicago, Illinois
1985-1988 and 1990-1995	Associate Professor of Biology Roosevelt University, Chicago, Illinois
1980-1985	Assistant Professor of Biology Roosevelt University, Chicago, Illinois

Administrative appointments:

2008 - 2018	President, Metropolitan College of New York
2004 – 2008	Provost and Vice President for Academic Affairs Kean University, Union, New Jersey
2000 – 2003	Provost and Vice President for Academic Affairs Roosevelt University, Chicago, Illinois
1998-2000	Associate Provost Roosevelt University, Chicago, Illinois.

1993-1998	Director, School of Science and Mathematics Roosevelt University, Chicago, Illinois
1991-1993	Chair, Department of Biology Roosevelt University, Chicago, Illinois.
1988-1990	Research Associate, Senior Research Associate, and Acting Director of Research City Colleges of Chicago, Chicago, Illinois.

Scientific interests: Evolutionary and agricultural ecology of insects of the Superfamily Cercopoidea (spittlebugs).

Host plant mediated interactions between insects and microorganisms.

Evolution of warning coloration.

Recent scientific publications

Thompson, V. (2026). *Spittlebugs: Biology, Ecology, and Economic Impact.* Cornell University Press. Ithaca, New York. 360 pp.
https://www.cornellpress.cornell.edu/book/9781501786099/spittlebugs/#bookTabs=1

Thompson, V. (2026). Estimation of selection intensity against dark color forms of the spittlebug *Philaenus spumarius* (L.) in a warming climate. **Insects**, *17*(3), 263.
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Haddad, N., I. Mrabti, A. Douaik, **V. Thompson**, M. Afechtal, J. C. Streito, R. Benkirane and M. C. Smaili (2024). *Philaenus tesselatus* (Hemiptera: Aphrophoridae), the main potential vector of *Xylella fastidiosa* in Morocco: seasonal abundance, phenology and host-plant colonization by nymphs. **Annales de La Société Entomologique de France (N.S.)**, 60(5):461–476.
https://doi.org/10.1080/00379271.2024.2364963

Avosani, S., R. Nieri, V. Mazzoni, G. Anfora, Z. Hamouche, C. Zippari, M. L. Vitale, V. Verrastro, E. Tarasco, I. D'Isita, S. Germinara, T. F. Döring, G. Belusic, A. Fereres, **V. Thompson** and D. Cornara (2024). Intruding into a conversation: How behavioral manipulation could support management of Xylella fastidiosa and its insect vectors. **Journal of Pest Science** 97(1):17-33.

Thompson, V., C. Harkin and A. J. A. Stewart (2023). The most polyphagous insect herbivore? Host plant associations of the Meadow spittlebug, *Philaenus spumarius* (L.). **PLoS ONE** 18(10): e0291734. https://doi.org/10.1371/journal.pone.0291734

Thompson, V. (2023). New San Francisco Bay Area spittlebug of the genus *Clastoptera* Germar, 1839 (Hemiptera: Cercopoidea: Clastopteridae) makes unique mineral-crusted spittles. **Pan-Pacific Entomologist** 99(2):111–127.

Thompson, V. (2023). Looking for patterns in a biosphere dominated by symbioses – bugs, plants, and the microorganisms that mediate their interactions. **International Mycorrhiza Society Newsletter** 4(1):6-9. https://southmycorrhizas.org/wp-content/uploads/2023/09/imsnewsletter_vol4_issue1_mar2023.pdf

Thompson, V. and R. M. Moscovitch (2022). Decline of melanic color forms in northern Minnesota populations of *Philaenus spumarius* (L.) (Hemiptera: Aphrophoridae). **Entomologica Americana** 128(1-4):1-10.

Thompson, V. (2022). Insect-plant-fungus interactions in mycorrhizal associations, with a focus on spittlebugs and ectomycorrhizal host plants. **Ecological Entomology**, 1–15. https://doi.org/10.1111/een.13192

Armendáriz-Toledano, F., M. A. López-Posadas, **V. Thompson**, J. Romero-Nápoles , Y. Utrera-Vélez , J. P. López-Córdova and U. Castro-Valderrama. (2022). Overview of spittlebugs of the family Cercopidae (Hemiptera: Auchenorrhyncha) from Mexico, with keys to genera and species. **Revista Mexicana de Biodiversidad** 93 e934030 https://doi.org/10.22201/ib.20078706e.2022.93.4030

Thompson, V. (2021). A new spittlebug of the genus *Aphrophora* Germar, 1821 (Hemiptera: Cercopoidea: Aphrophoridae) abundant on invasive iceplant in coastal California. **Pan-Pacific Entomologist**, 97(3):105–128.

Wheeler, T.B., **V. Thompson**, W.R. Conner and B.S. Cooper (2021). *Wolbachia* in the spittlebug *Prosapia ignipectus*: Variable infection frequencies, but no apparent effect on host reproductive isolation. **Ecology and Evolution**, 00, 1–12. https://doi.org/10.1002/ece3.7782

S.G. Seabra, A.S.B. Rodrigues, S.E. Silva; A.C. Neto, F. Pina-Martins; E. Marabuto, **V. Thompson**, M.R. Wilson, S. Yurtsever, A. Halkka, M.T. Rebelo, P.A.V. Borges, J.A. Quartau, C.D. Jiggins and O.S. Paulo. (2021). Population structure, adaptation and divergence of the meadow spittlebug, *Philaenus spumarius* (Hemiptera, Aphrophoridae), revealed by genomic and morphological data. **PeerJ** 9:e11425. http://doi.org/10.7717/peerj.11425

Thompson, V., S.E. Halbert and M. Rothschild. 2020. A new species of the spittlebug genus *Clastoptera* Germar (Hemiptera: Cercopoidea: Clastopteridae) on Florida oaks. **Insecta Mundi** 0796:1–16. https://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=2292&context=insectamundi

Paladini, A., **V. Thompson**, A.J. Bell & J.R. Cryan. 2020. A remarkable new species of spittlebug and a second living New World genus in the Clastopteridae (Hemiptera: Cercopoidea)

Zootaxa 4852 (3):361–371. file:///C:/Users/vinto/Downloads/_64506-Article%20Text-204398-217061-10-20200916.pdf

Rodríguez, J., **V. Thompson**, M. Rubido-Bará, A. Cordero-Rivera, and L. González **2019** Herbivore accumulation on invasive alien plants increases the distribution range of generalist herbivorous insects and supports proliferation of non-native insect pests. **Biological Invasions**, 17 pages, https://doi.org/10.1007/s10530-019-01913-1

Thompson, V. and G.S. Carvalho. **2016**. Abrupt geographical transition between aposematic color forms in the spittlebug *Prosapia ignipectus* (Fitch) (Hemiptera: Cercopidae). **Psyche** Vol. 2016, Article ID 3623092, 10 pages, http://dx.doi.org/10.1155/2016/3623092

Thompson, V. 2015. "Meadow Spittlebug and Lepyronia coleoptrata". In D.A. Samac, L.H. Rhodes and W.O. Lamp (Eds.), pp. 94-95, Compendium of Alfalfa Diseases and Pests, Third Edition, **American Phytopathological Society Press, St. Paul, Minnesota**.

Rodrigues A.S. B., S.E. Silva, E. Marabuto, D.N. Silva1, M.R. Wilson, **V. Thompson**, S. Yurtsever, A. Halkka, P.A.V. Borges, J.A. Quartau, O.S. Paulo and S.G. Seabra. **2014**. New mitochondrial and nuclear evidences support recent demographic expansion and an atypical phylogeographic pattern in the spittlebug *Philaenus spumarius* (Hemiptera, Aphrophoridae). **PLoS ONE** 9(6): e98375. doi:10.1371/journal.pone.0098375 http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0098375

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