

CURRICULUM VITAE

A. Biographical Information

1. Personal

Name: Daniel Rusk Brooks
Citizenship: USA
Address:
26 Racquet Club Road
Asheville, NC 28803 USA
Mobile: (1) (402) 541-4456
email: dnlbrooks@gmail.com

2. Educational Background

B.S. with Distinction University of Nebraska (1973)
 Thesis supervisor: M. H. Pritchard
 M.S. University of Nebraska (1975)
 Thesis supervisor: M. H. Pritchard
 Ph.D. University of Mississippi (1978)
 Evolutionary Biology of Digeneans Inhabiting Crocodilians
 Dissertation supervisor: R. M. Overstreet

3. Employment

Adjunct Research Professor	2011-
University of Nebraska-Lincoln	
Professor emeritus	2011 -
University of Toronto	
Owner, Dan Brooks Photography LLC	2010-
Professor of Zoology	1991-2011
University of Toronto	
Faculty of Graduate Studies	1988-2011
University of Toronto	
Professor, University College	1992-1996
University of Toronto	
Associate Professor of Zoology	1988-1991
University of Toronto	
Associate Professor of Zoology	1985-8
University of British Columbia	
Assistant Professor of Zoology	1980-5
University of British Columbia	
Friends of the National Zoo	1979-80
Postdoctoral Fellow	
National Zoological Park, Washington, D.C.	
NIH Postdoctoral Trainee	1978-9
University of Notre Dame	

4. Awards and Distinctions

Scientific Adviser, Centre for Ecological Research, Budapest, Hungary (2017- present)

Senior Visiting Fellow, Stellenbosch Institute for Advanced Study, Stellenbosch, South Africa (2017, 2021)

Visiting Senior Fellow, Institute for Advanced Studies, Kőszeg, Hungary (2016, 2018-2021)

Senior Visiting Fellow, Ciências sem Fronteiras (CNPq, Brazil), Universidade Federal do Paraná, Curitiba, Brazil (2014-2016)

Senior Visiting Fellow, Parmenides Foundation, Munich, Germany (2013)

Anniversary Award, Helminthological Society of Washington DC (2012)

Senior Visiting Fellow, Institute for Advanced Study, Collegium Budapest, Budapest, Hungary (2010-2011)

Fellow, Linnean Society of London (2009)

DSc, University of Nebraska-Lincoln (2007)

PhD, *honoris causa*, Stockholm University (2005)

Fellow, Royal Society of Canada (2004)

Wardle Medal, Parasitology Section, Canadian Society of Zoology (2001)

Gold Medal, Centenary of the Instituto Oswaldo Cruz, Brazil (2000)

Northrop Frye Award, University of Toronto Alumni Association and Provost in support of efforts linking teaching and research (1999)

UBC Izaak Walton Killam Memorial Faculty Research Fellowship (1988-1989)

Distinguished Visiting Scientist University of Miami (1988)

Distinguished Visiting Scientist Brigham Young University (1987)

Visiting Erskine Fellow, University of Canterbury, Christchurch, New Zealand (1986)

Distinguished Visiting Scientist Smithsonian Institution (1986);

Henry Baldwin Ward Medal, American Society of Parasitologists (1985)

Charles A. McDowell Award, Faculty of Science, University of British Columbia (1985)

Distinguished Visiting Scientist, Museum of Zoology, University of Michigan (1983)

Graduate Fellowship, University of Mississippi (1977-8)

Golden Slide Award, H. W. Manter Laboratory, Division of Parasitology, University of Nebraska State Museum (1975)

A. C. Cuckler Scholarship, University of Nebraska (1973-1974)

Patronyms (taxa named in my honor): *Hapalorhynchus brooksi* Platt; *Amphoteromorphus brooksi* Rego; *Brooksiella* Rego, Santos and da Silva; *Heliconema brooksi* Crites and Overstreet; *Proteocephalus brooksi* Perez Ponce de Leon and Prieto; *Bassus brooksi* Sharkey; *Tylocephalum brooksi* Campbell and Ivanov; *Haematoloechus danbrooksi* Leon-Reganon and Paredes-Calderon; *Goezeella danbrooksi* de Chambrier, Rego and Mariaux; *Brooksithrips* Retana and Mound; *Retrovarium brooksi* Miller and Cribb; *Rhinebothrium brooksi* Reyda and Marques; *Serendip danbrooksi* Monks et al.

Positions as Officer in Professional Societies:

- Secretary, International Organization for Systematic and Evolutionary Biology (2007 – 2012)
- Vice President, Public Affairs and Outreach, International Biogeography Society (2003-2005)
- Council member, International Organization for Systematic and Evolutionary Biology (2002-2006)
- Member, International Programme Advisory Board, 18th International Congress of Zoology (1998-2000)
- Council member, International Organization for Systematic and Evolutionary Biology (1997-2002)
- Member, International Programme Advisory Board, International Organization of Systematic and Evolutionary Biology (1994-8)
- Secretary-Treasurer: past-American Society of Parasitologists (1994-6)
- American Society of Parasitologists, The Future of Parasitology, Parasite Evolution Committee, Co-chair (1992-3)
- Council member: past-American Society of Parasitologists; Society of Systematic Zoology; Parasitology section, Canadian Society of Zoologists; Representative of Canadian Society of Zoologists Parasitology section to American Society of Parasitologists Student Award
- Judge: past-Ernst Mayr Award, Society of Systematic Zoology; Student systematics Award, American Society of Parasitologists

Professional Consultancies:

- British Columbia Provincial Museum (1984), Evolution exhibit
- Swedish Natural Science Research Council (1988), Hiring research professor
- University of South Alabama, Consultant on new graduate program (1989)
- Canadian Museum of Nature, Consultant to Director on Biodiversity Research Institute (1990-3)
- National Science Foundation, Systematics Agenda 2000, Committee on Integrative Studies in Systematics and Ecology, Co-chair (1991-1992)
- Consultant on status and future of parasite collections, National institute for the Conservation of Cultural Property/Society for the Preservation of Natural History Collections (US) (1992)
- University of Victoria, Consultant on future of Biology Department (1993)
- National Science Foundation, Committee on All-Taxon Biodiversity Inventory Policy (1993)
- Parasite Identification Unit/National Helminthological Collection, USDA (1993), Chair, In-depth program review committee
- Canadian Museum of Nature, Research Advisory Committee, external member (1993-)
- University of Toronto Tropical Medicine Unit, consultant on possible *Clonorchis sinensis* infection in commercial fish (1994)
- University of Leiden, consultant on filling endowed chair in philosophy of biology (1994)

All-Taxa Biodiversity Inventory (Costa Rica), consultant on parasite inventory (1994-6)
 Consultant on evaluation of research personnel for promotion, Foundation for Research Development, South Africa (1994-)
 Invited participant, National Science Foundation Workshop on the Evolution of Biological Information Processing Systems (1995)
 Invited Participant, Nematode Taxonomic Working Group Planning Conference, All-Taxon Biodiversity Inventory, Guanacaste Conservation Area, Costa Rica (1995)
 Invited participant, Marine ATBI Planning Conference, Smithsonian Institution (1995)
 Invited participant, Academic Forum on collaboration between universities in Ontario and Rio de Janeiro state, Brasil, University of Toronto (1995)
 Consulting member of research team, Dutch National Science Council research programme grant on foundations of phylogenetic systematics (1995-1998)
 Graduate Faculty Associate, Western Michigan University (1995-2000)
 Invited participant, First South African National Biodiversity Conference (1996)
 Scientific consultant, BBC Natural History Unit (1997)
 University of Uppsala, Sweden selection of professor of Systematic Zoology (1997-8)
 Co-coordinator, Taxonomic working Groups, ATBI Great Smoky Mountains National Park (1998)
 Scientific Consultant, National Geographic Television (1998)
 Consultant on hiring research professor in tropical diversity, Swedish Natural Science Research Council (1998)
 Member, Board of Directors, Tropical Dry Forest Research Foundation, Area de Conservacion de Guanacaste, Costa Rica (1998-)
 Invited nominator, Craaford Prize (1998)
 Invited participant, Diversitas/Systematics Agenda 2000 International Planning Conference, New York (1998)
 Scientific Consultant, *Jane* (1998)
 Scientific Consultant, *Canadian Geographic* (1998)
 Invited participant, Environment Canada Strategy Session on the Future of Biosystematics and Bioinformatics in Canada (1998)
 Invited nominator, Franklin Institute Prizes (1999)
 National Science Foundation (US), Division of Environmental Biology Biotic Surveys & Inventories Program, selection panel member (1999)
 National Science Foundation (US), workshop on microbial diversity, Area de Conservacion Guanacaste, Costa Rica (1999)
 Scientific Consultant, *Audubon* magazine project on parasite inventory in Costa Rica (1999)
 Scientific Consultant, *National Geographic* article on frogs (1999)
 Scientific Consultant, *Discover* magazine project on parasites (1999)
 Member, Management Advisory Panel for Collections & Research, Royal Ontario Museum (1999-)
 Scientific consultant, *Serendipity Point Productions* (2000)
 Scientific consultant, *TVOntario* (2000)
 Science Advisory Board, All-Species Foundation (2001)
 Invited nominator, Craaford Prize (2002)

Invited contributor, Systematics Summit, US Department of Agriculture, Beltsville, Maryland (2002)

Member, Board of Directors, Bioguanacaste, Guanacaste, Costa Rica (2002-2010)

International Evaluator, Institute for Environmental Studies, University of Pretoria (2003)

Steering Committee, Neotropical National Ecological Observatory network (NeoNEON) (2004)

Advisory Committee, *Encyclopedia of Life* (2004-2007)

Advisory Committee, *Encyclopedia of Earth's Species* (2004)

Member, NSERC Microgenomics Network, Bar Code of Life Canada (2004-2007)

Advisory Board, Von Bertalanffy Institute for Information Science, Vienna (2005)

Assessor, Proyecto Sistemática y Conservación (Colombia) (2005)

Annual Reviewer, Molecular Biogeography, *Progress in Physical Geography* (2005-7)

Invited nominator, Craaford Prize (2006-2021)

Invited referee, MacArthur Foundation Fellows program (2006)

Invited referee, John Simon Guggenheim Memorial Foundation (2008)

Invited referee, Templeton Foundation (2012)

Advisory Board, EU Consortium on Ichtyoparasitology, Czech Republic (2013-15)

Invited nominator, Japan Prize (2017-2021)

Consultant to the Director, National Institute of Ecology, Hungary (2021)

Invited Consultant, Climate Change Systemic Risks, Chatham House (2020 -)

Invited consultant, Climate Change and Vector-borne diseases, National Center for Climate Change, Poland (2021)

Consultant to the Director, National Institute of Ecology, Hungary (2021)

Editorial:

Editorial Boards: Evolutionary Biology – New Perspectives on its Development – book series, Springer

past- *Education and Outreach in Evolution*; *Journal of Parasitology*, *Canadian Journal of Zoology*; *Semiotics Review of Books*; *Proceedings of the Helminthological Society of Washington, D.C*; *Semiotics Review of Books, Zoologica Scripta*; *Journal of Parasitology*, *Canadian Journal of Zoology*, *Memorias do Instituto Oswaldo Cruz (Brasil)*; *Revista Mexicana de Biodiversidad*; Smithsonian Institution University Press; *Anales del Instituto de Biología, Universidad Nacional Autónoma de México*; *Zoologia*

Associate Editor: past-*Systematic Zoology*

Reviewer: *Acta Biologica Tropical*, *Acta Parasitologica*, *Acta Zoologica*, *Actualidades Biológicas*, *Alcheringa*, *American Fisheries Society Special Symposium Series*, *American Journal of Medical Genetics*, *American Midland Naturalist*, *American Naturalist*, *Anales del Instituto de Biología-UNAM*, *Annals of the Entomological Society of America*, *Auk*, *Australian Journal of Zoology*, *Journal of the Linnean Society*, *BioSystems*, *Botanical Journal of the Linnean Society*, *Biology and Philosophy*, *Canadian Journal of Zoology*, *Cladistics*, *Copeia*, *Ecography*, *Ecological Modeling*, *Ecology*, *Ethology*, *Ecology and Evolution*, *Ecoscience*, *Evolution*, *Evolution: Outreach and Education*, *Evolutionary Biology*, *Fishery Bulletin*, *Functional Ecology*, *Global*

Biogeography and Ecology, Global and Planetary Change, Great Basin Naturalist, Helminthologia, Heredity, Human Evolution, International Journal of Parasitology, Invertebrate Taxonomy, Journal of Aquatic Animal Health, Journal of Arid Land research, Journal of Animal Ecology, Journal of Biogeography, Journal of Evolutionary Biology, Journal of Great Lakes Research, Journal of the Helminthological Society of Washington, Journal of Molecular Evolution, Journal of Parasitology, Journal of Theoretical Biology, Journal of Wildlife Diseases, Korean Journal of Parasitology, Marine Biology, Memorias do Instituto Oswaldo Cruz, Natural History Publications of the Royal Ontario Museum, Parasites and Vectors, Parasitology, Phyllomedusa, Plant Systematics and Evolution, Proceedings of the US National Academy of Science, Quarterly Review of Biology, Revista Brasileira de Biologia, Revista Brasileira de Entomologia, Revista de Biologia Tropical, Revue de Zoologie Africaine, Miscellanea Zoologica (Zoology Museum of Barcelona), Systematic Biology, Systematic Parasitology, Taxon, Trends in Ecology and Evolution, Veterinari medicini, Zoologia, Zoologica Scripta, Zoosystema

Press consultant: University of Chicago Press; MIT Press; Sinauer Associates; John Wiley & Sons; Mosby; Freeman and Company; Johns Hopkins University Press; Elsevier

Other:

External thesis examiner: Simon Fraser University; University of Victoria; University of Leiden; University of Queensland; iASK

Committees in Professional Societies: Education, Trends and Priorities, Awards (Chair, 1991- Henry Baldwin Ward medal first awarded to a woman candidate), Nominating, Genetic Resources (chair, 1993-), Special Events, Parasite Evolution, Trends and Priorities in Parasitology (chair), *American Society of Parasitologists*

Granting Agency Reviews: Natural Sciences and Engineering Research Council (operating grants and URF evaluations) (CANADA), National Science Foundation (Member of first panel for biodiversity program-1991; Ecology and Systematic Biology Programs-member of Systematic Biology panel April 1991, 1993, NSF/NIH Ecology of Infectious Diseases panel (2006, 2007), Doctoral Fellowship Program)(US); Natural Environment Research Council (UK), National Research Council (Australia); Foundation for Biological Research, Netherlands Organization for Scientific Research; Foundation for Research and Development (South Africa); Smithsonian Institution Fellowships and Grants Program; US-Israel Binational Science Foundation

Organizer: Project "Free Flow", donating scientific literature to universities in Latin America (1990-2000)

B. Academic History

6a. Research Endeavors

- Neotropical biodiversity and sustainable development; climate change and emerging disease
- Historical ecology
- Systematic biology of parasitic helminths
- Theory, methods, and empirical applications of phylogenetic systematics
- Evolutionary theory: macroevolution and the relationship between evolution, nonequilibrium thermodynamics, and information theory; metaphors of evolution

C. Scholarly and Professional Work

Listed in

American Men and Women in Science

Canadian Men and Women in Science

Canadian Who's Who

Google Scholar, ResearchGate, LinkedIn, Digital Commons

Google Scholar

> 18,000 Citations

40 articles have been cited more than 100 times

H index: 65 (65 articles with at least 65 citations)

i10 Index: 220 (220 articles with at least 10 citations)

Research Gate

TRI: >9,000 (top 1% of members), >97,000 reads

7. Refereed Publications

Journal Articles

1. Brooks, D.R. and E.B. Brothers. 1974. Helminths of some gobies (Pisces: Gobiidae) from Mission Bay, San Diego. *J. Parasitol.* 60: 1062-1063.
2. Brooks, D.R. and M.A. Mayes. 1975. Platyhelminths of Nebraska turtles with descriptions of two new species of spirorchiids (Trematoda: Spirorchiidae). *J. Parasitol.* 61: 403-406.
3. Brooks, D.R. and M.A. Mayes. 1975. *Phyllodistomum scrippsi* sp. n. (Digenea: Gorgoderidae) and *Neobenedenia girellae* (Monogenea: Capsalidae) from the California Sheephead *Pimelometopon pulchrum* Ayres (Pisces: Labridae). *J. Parasitol.* 61: 407-408.
4. Brooks, D.R. 1975. A review of the genus *Allassostomoides* Stunkard, 1924 with a redescription of *Allassostomoides chehydrae* (MacCallum, 1919) Yamaguti, 1958. *J. Parasitol.* 61: 882-885.
5. Brooks, D.R. 1976. Parasites of amphibians of the Great Plains. II. Platyhelminths of amphibians in Nebraska. *Bull. Univ. Nebraska State Mus.* 10: 65-92.
6. Brooks, D.R. 1976. *Neodeuterobaris pritchardae* gen. et sp. n. (Digenea: Microscaphidiidae) from a sideneck turtle *Podocnemis lewyana* Dumeril, 1852 from Colombia. *J. Parasitol.* 62: 426-428.

7. Brooks, D.R. 1976. Five species of platyhelminths from *Bufo marinus* L. from Colombia. *J. Parasitol.* 62: 429-433.
8. Brooks, D.R. and M.A. Mayes. 1976. *Telorchis gutturosi* sp. n. (Trematoda: Telorchhiidae) from *Graptemys pseudogeographica* Gray in Nebraska with reports of additional species of platyhelminths from Nebraska turtles. *J. Parasitol.* 62: 901-905.
9. Brooks, D.R. and R.L. Buckner. 1976. Some platyhelminths from sirens (Amphibia: Sirenidae) in North America. *J. Parasitol.* 62: 906-909.
10. Brooks, D.R. and T.B. Thorson. 1976. Two tetraphyllidean cestodes from the freshwater stingray *Potamotrygon magdalenae* Dumeril in Colombia. *J. Parasitol.* 62: 943-947.
11. Brooks, D.R. and N.J. Welch. 1976. Parasites of amphibians of the Great Plains. I. The cercaria of *Cephalogonimus brevicirrus* Ingles, 1932 (Digenea: Cephalogonimidae). *Proc. Helminthol. Soc. Wash.* 43: 92-93.
12. Brooks, D.R. and M.A. Mayes. 1976. Morphological variations in natural infections of *Oochoristica bivitellobata* Loewen, 1940 (Cestoidea: Anoplocephalidae). *Trans. Nebraska Acad. Sci.* 3: 20-21.
13. Brooks, D.R. 1977. Six new species of tetraphyllidean cestodes, including a new genus, from a marine stingray *Himantura schmardae* (Werner, 1904) from Colombia. *Proc. Helminthol. Soc. Wash.* 44: 51-59.
14. Brooks, D.R. and M.A. Mayes. 1977. *Hymenolepis asketus* sp. n. (Cestoidea: Hymenolepididae) from the short-tailed shrew *Blarina brevicauda* Say in Nebraska. *Proc. Helminthol. Soc. Wash.* 44: 60-62.
15. Brooks, D.R. and R.W. Heard III. 1977. Parasites of the Clapper Rail, *Rallus longirostris* Boddaert. III. Description of *Notocotylus schmidti* sp. n. *Proc. Helminthol. Soc. Wash.* 44: 63-65.
16. Mayes, M.A. and D.R. Brooks. 1977. *Gyrodactylus plotosi* sp. n. (Monogenea: Gyrodactylidae) from the silurid fish *Plotosus lineatus* in the Philippines. *Trans. Amer. Micros. Soc.* 96: 143-145.
17. Brooks, D.R. 1977. A new genus and two new species of trematodes from characid fishes in Colombia. *Trans. Amer. Micros. Soc.* 96: 243-247.
18. Brooks, D.R. 1977. Evolutionary history of some plagiorchoid trematodes of anurans. *Syst. Zool.* 26: 277-289.
19. Brooks, D.R. and R.M. Overstreet. 1977. Acanthostome digeneans from the American Alligator in the southeastern United States. *Proc. Biol. Soc. Wash.* 90:1016-1029.
20. Brooks, D.R., R.M. Overstreet and D.B. Pence. 1977. New records of proterodiplostome digeneans from *Alligator mississippiensis* and *Caiman crocodilus fuscus*. *Proc. Helminthol. Soc. Wash.* 44: 237-238.
21. Brooks, D.R. and N.J. Welch. 1977. *Marvinmeyeria lucida* (Moore, 1954) Soos, 1969 (Annelida: Hirudinea), a commensal of *Helisoma trivolvis* (Say) (Mollusca: Gastropoda) in Nebraska. *Trans. Nebraska Acad. Sci.* 4: 21-22.
22. Brooks, D.R. 1978. Systematic status of proteocephalid cestodes from reptiles and amphibians in North America with descriptions of three new species. *Proc. Helminthol. Soc. Wash.* 45:1-28.
23. Brooks, D.R. and J.R. Palmieri. 1978. Pronocephalid trematodes from a Malaysian box turtle including a new species of *Renigonius* Mehra, 1936. *Proc. Helminthol. Soc. Wash.* 45: 34-36.

24. Brooks, D.R. and D. Blair. 1978. Description of *Acanthostomum quaesitum* (Nicoll, 1918) Hughes, Higginbotham and Clary, 1941 (Digenea: Cryptogonimidae) in *Crocodylus johnsoni* Krefft from Australia. *Proc. Helminthol. Soc. Wash.* 45: 53-56.
25. Fusco, A.C. and D.R. Brooks. 1978. A new species of *Spirocamallanus* Olsen, 1952 (Nematoda: Camallanidae) from *Trachycorystes insignis* (Steindachner) (Pisces: Doradidae) in Colombia. *Proc. Helminthol. Soc. Wash.* 45: 143-147.
26. Brooks, D.R. and J.R. Palmieri. 1978. *Philophthalmus pulchrus* sp. n. (Digenea: Philophthalmidae) in the intestinal caeca of a Malaysian moorhen. *Proc. Helminthol. Soc. Wash.* 45: 166-168.
27. Brooks, D.R. and T.E. Mattis. 1978. A redescription of *Nagmia floridensis* Markell, 1953 (Digenea: Gorgoderidae) from stingrays in the northern Gulf of Mexico. *Proc. Helminthol. Soc. Wash.* 45: 169-171.
28. Deardorff, T.L. and D.R. Brooks. 1978. *Passerilepis schmidti* sp. n. (Cestoda: Hymenolepididae) from the blue jay in Nebraska. *Proc. Helminthol. Soc. Wash.* 45: 190-192.
29. Brooks, D.R. and G.D. Schmidt. 1978. *Acanthotaenia overstreeti* sp. n. (Cestoda: Proteocephalidae) from a Puerto Rican lizard, the first acanthotaeniine in the New World. *Proc. Helminthol. Soc. Wash.* 45: 193-195.
30. Brooks, D.R. and M.A. Mayes. 1978. *Acanthobothrium electricolum* sp. n. and *A. lintoni* Goldstein, Henson and Schlicht, 1969 (Cestoda: Tetraphyllidea) from *Narcine brasiliensis* (Olfers) in Colombia. *J. Parasitol.* 64: 617-619.
31. Brooks, D.R. 1978. Evolutionary history of the cestode order Proteocephalidea. *Syst. Zool.* 27: 312-323.
32. Brooks, D.R. and A.C. Fusco. 1978. Some digenetic trematodes from caudate amphibians in the southeastern United States. *J. Mississippi Acad. Sci.* 23: 95-99.
33. Brooks, D.R. and R.M. Overstreet. 1978. The family Liolopidae (Digenea) including a new genus and two new species from crocodilians. *Int. J. Parasitol.* 8: 267-273.
34. Mayes, M.A. and D.R. Brooks. 1978. Two new species of *Acanthobothrium* (Cestoidea: Tetraphyllidea) from Colombian freshwater stingrays. *J. Parasitol.* 64: 838-841.
35. Brooks, D.R., M.A. Mayes and T.B. Thorson. 1979. *Paravitellotrema overstreeti* sp. n. (Digenea: Hemiuridae) from the Colombian freshwater stingray *Potamotrygon magdalenae* Dumeril. *Proc. Helminthol. Soc. Wash.* 46: 52-54.
36. Brooks, D.R. and J.R. Palmieri. 1979. *Neopronocephalus orientalis* sp. n. (Digenea: Pronocephalidae) and *Spirhapalum elongatum* Rohde, Lee and Lim, 1968 (Digenea: Spirorchiidae) from *Cuora amboinensis* (Daudin) in Malaysia. *Proc. Helminthol. Soc. Wash.* 46: 55-57.
37. Brooks, D.R. 1979. Testing the context and extent of host-parasite coevolution. *Syst. Zool.* 28: 299-307.
38. Brooks, D.R. 1979. New records for amphibian and reptilian trematodes. *Proc. Helminthol. Soc. Wash.* 46: 286-289.
39. Brooks, D.R. 1979. Testing hypotheses of evolutionary relationships among parasitic helminths: The digeneans of crocodilians. *Amer. Zool.* 19: 1225-1238.
40. Brooks, D.R. and T.L. Deardorff. 1980. Three proteocephalid cestodes from Colombian siluriform fishes, including *Goezeella siluri* Fuhrmann, 1916 (Monticelliidae: Monticelliinae) and *Nomimoscolex alovarius* sp. n. (Monticelliidae: Zygobothriinae). *Proc. Helminthol. Soc. Wash.* 47: 15-21.

41. Brooks, D.R. and M.A. Mayes. 1980. Cestodes from five species of Colombian euryhaline stingrays. *Proc. Helminthol. Soc. Wash.* 47: 22-29.
42. Jones, N.D., D.R. Brooks and R.L. Harris. 1980. *Macaca mulatta*- A new host for *Choanotaenia* cestodes. *Lab. Animal Sci.* 30: 575-577.
43. Buckner, R.L. and D.R. Brooks. 1980. Occurrence of *Quadrigyrus torquatus* Van Cleave, 1920 (Acanthocephala) in north-central Colombia, South America. *Proc. Helminthol. Soc. Wash.* 47: 139-140.
44. Brooks, D.R. and J. Frazier. 1980. New host and locality for *Kathlania leptura* (Rudolphi) (Nematoda: Oxyurata: Kathlanidae). *Proc. Helminthol. Soc. Wash.* 47: 267-268.
45. Brooks, D.R. 1980. Allopatric speciation and non-interactive parasite community structure. *Syst. Zool.* 29: 192-203.
46. Brooks, D.R. 1980. Brooks' response to Holmes and Price. *Syst. Zool.* 29: 214-215.
47. Brooks, D.R. 1981. Revision of the Acanthostominae (Digenea: Cryptogonimidae). *Zool. J. Linn. Soc.* 70: 313-382.
48. Brooks, D.R. and J.R. Palmieri. 1981. Six platyhelminths from Malaysian reptiles. *J. Helminthol.* 55: 1-5.
49. Mayes, M.A. and D.R. Brooks. 1981. Cestode parasites of some Venezuelan stingrays. *Proc. Biol. Soc. Wash.* 93: 1230-1238.
50. Brooks, D.R., M.A. Mayes and T.B. Thorson. 1981. Cestode parasites in *Myliobatis goodei* Garman (Myliobatiformes: Myliobatidae) from Rio de la Plata, Uruguay with a summary of cestodes collected from South American elasmobranchs during 1975-79. *Proc. Biol. Soc. Wash.* 93: 1239-1252.
51. Mayes, M.A., D.R. Brooks and T.B. Thorson. 1981. Two new tetraphyllidean cestodes from the freshwater stingray *Potamotrygon circularis* (Garman), with proposal of a new genus. *Proc. Helminthol. Soc. Wash.* 48: 38-42.
52. Brooks, D.R., M.A. Mayes and T.B. Thorson. 1981. Systematic review of cestodes infecting freshwater stingrays (Chondrichthyes: Potamotrygonidae) including four new species from Venezuela. *Proc. Helminthol. Soc. Wash.* 48: 43-64.
53. Deardorff, T.L., D.R. Brooks and T.B. Thorson. 1981. A New Species of *Echinocephalus* (Nematoda: Gnathostomidae) from Neotropical Stingrays with Comments on *E. diazi*. *J. Parasitol.* 67: 433-439.
54. Brooks, D.R. and J.J. Sullivan. 1981. A new species of *Hapalorhynchus* (Digenea: Spirorchhiidae) from a Malaysian soft-shelled turtle. *Can. J. Zool.* 59: 1335-1338.
55. Brooks, D.R. 1981. Hennig's parasitological method: A proposed solution. *Syst. Zool.* 30: 229-249.
56. Mayes, M.A., D.R. Brooks and T.B. Thorson. 1981. *Potamotrygonocotyle tsalickisi* gen. et sp. n. (Monogenea: Monocotylidae) and *Paraheteronchocotyle amazonensis* gen. et sp. n. (Monogenea: Hexabothriidae) from *Potamotrygon circularis* Garman (Chondrichthyes: Potamotrygonidae) in northwestern Brazil. *Proc. Biol. Soc. Wash.* 94: 1205-1210.
57. Brooks, D.R. 1981. Raw similarity measures of shared parasites: An empirical method for determining host phylogenetic relationships? *Syst. Zool.* 30: 203-207.
58. Funk, V.A. and D.R. Brooks. 1981. National Science Foundation workshop on the theory and application of cladistic methodology. *Syst. Zool.* 30: 491-498.
59. Brooks, D.R. 1982. A simulations approach to discerning possible sister-groups of *Dioecotaenia* Schmidt, 1969 (Cestoda: Tetraphyllidea: Dioecotaeniidae). *Proc. Helminthol. Soc. Wash.* 49: 56-61.

60. Brooks, D.R. and D.R. Glen. 1982. Pinworms and primates: A case study in coevolution. *Proc. Helminthol. Soc. Wash.* 49: 76-85.
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 11. Benz, G.W., H.L. Pratt, Jr. and M.L. Adamson. 1987. Larval philometrid nematodes from the uterus of a sandbar shark, *Carcharhinus plumbeus*. *Proc. Helminthol. Soc. Wash.* 54: 154-156.
 12. Deets, G.B. and G.W. Benz. 1987. *Jusheyus shoguni* gen. et sp. nov. (Siphonostomatoidea: Eudactylinidae), a gill parasite of the bass *Polyprion oxygeneios* (Percichthyidae) from Coff's Harbour, Australia. *Can. J. Zool.* 65: 940-945.
 13. Deets, G.B. 1987. Phylogenetic analysis and revision of *Kroeyerina* Wilson, 1932 (Siphonostomatoidea: Kroyeriidae), copepods parasitic on chondrichthyans, with descriptions of four new species and the erection of a new genus, *Prokroyeria*. *Can. J. Zool.* 65: 2121-2148.
 14. O'Grady, R.T. and G.B. Deets. 1987. Coding multistate characters, with special reference to the use of parasites as characters of their hosts. *Syst. Zool.* 31: 268-279.
 15. Benz, G.W., and G.B. Deets. 1988. Fifty-one years later: An update on *Entepherus*, with a phylogenetic analysis of Cecropidae Dana, 1849 (Copepoda: Siphonostomatoidea). *Can. J. Zool.* 66: 856-865.
 16. Deets, G.B. and G.W. Benz. 1988. *Lernanthropinus nematistii* sp. nov. (Lernanthropidae) and *Caligus tenuifurcatus* Wilson, 1937 (Caligidae), siphonostomatoid copepod parasites of roosterfish (*Nematistius pectoralis* Gill, 1864) from the Sea of Cortez. *Can. J. Zool.* 66: 866-874.
 17. Deets, G.B. and J.-S. Ho. 1988. Phylogenetic analysis of the Eudactylinidae with descriptions of two new genera. *Proc. Biol. Soc. Wash.* 101: 317-339.
 18. Dojiri, M. and G.B. Deets, 1988. *Norkus cladocephalus*, new genus, new species (Siphonostomatoidea: Sphyrriidae), a copepod parasitic on an elasmobranch from southern California waters, with a phylogenetic analysis of the Sphyrriidae. *J. Crust. Biol.* 8: 679-687.
 19. O'Grady, R.T., G.B. Deets and G.W. Benz. 1989. Additional observations on nonredundant linear coding of multistate characters. *Syst. Zool.* 38: 54-57.
 20. Rannala, B.H. 1990. An electrophoretic perspective on the relationship between *Haplometrana* Lucker, 1931 and *Glypthelmins* Stafford, 1905 (Digenea: Plagiorchiiformes). *J. Parasitol.* 76: 746-748.
 21. Rannala, B.H. 1990. Genetic distances and parasite taxonomy. *J. Parasitol.* 76: 929-930.
 22. Rannala, B.H. 1991. Evidence for host allozymes present on electrophoretic gels of trematode parasites (Digenea: Plagiorchiiformes). *J. Parasitol.* 77: 805-808.
 23. McLennan, D.A. 1991. Integrating phylogeny and experimental ethology: from pattern to process. *Evolution* 45: 1773-1789.
 24. Rannala, B.H. 1992. Comparative evolutionary genetics of trematode parasites (Digenea: Plagiorchiidae) and their anuran hosts. *Can. J. Zool.* 70: 993-1000.
 25. Hogans, W.E. and Marques, F. 1994. *Albionella kabatai* Benz & Izawa, 1993 (Copepoda: Lernaeopodidae) from *Apristurus profundorum* (Goode & Bean, 1896) (Chondrichthyes: Scyliorhinidae) in the Northwest Atlantic Ocean. *Belg. J. Zool.* 124: 193-198.
 26. McLennan, D.A. and V. Shires. 1995. The effects of helminth parasites on the morphology and behavior of female brook sticklebacks, *Culaea inconstans*. *J. Parasit.* 81: 675-682.
 27. Pohle, G. and Marques, F. 1995. First zoea of *Dissodactylus glasselli* and new range and host

- record for *Dissodactylus* (Brachyura: Pinnotheridae). *Proc. Biol. Soc. Wash.* 108: 247-253.
28. Marques, F. and Pohle, G. 1996. The complete larval development of *Clypeasterophilus* (Decapoda: Brachyura: Pinnotheridae) and a comparison with other species within the *Dissodactylus* complex. *Bull. Mar. Sc.* 58: 165-185.
 29. Marques, F. and Pohle, G. 1996. Laboratory-reared larval stages of *Dissodactylus mellitae* (Decapoda: Brachyura: Pinnotheridae) and developmental patterns within the *Dissodactylus* complex. *Can. J. Zool.* 74: 47-62.
 30. Marques, F. and Hogans, W.E. 1996. *Ergasilus labracis* (Copepoda: Ergasilidae) on *Microgadus tomcod* (Osteichthyes: Gadidae) in the estuarine waters of New Brunswick, Canada. *Crustaceana* 69:532-534.
 31. Marques, F. and Pohle, G. 1996. Phylogenetic analysis of the Pinnotheridae (Crustacea: Brachyura) based on larval morphology, with emphasis on *Dissodactylus* species complex. *Zool. Script.* 24: 347-364.
 32. Monks, S. and G. Perez Ponce de Leon. 1996. *Koronacantha mexicana* n. gen., n. sp. (Acanthocephala: Illiosentidae) from marine fish in Chamela Bay, Jalisco, Mexico. *J. Parasitol.* 82: 788-792.
 33. Monks, S., F. Marques, V. Leon-Regagnon, and G. Perez Ponce de Leon. 1997. *Koronacantha pectinarius* comb. n. (Acanthocephala: Illiosentidae) from *Microlepidotus revipinnis* (Haemulidae) and redescription of *Tegorhynchus brevis*. *J. Parasitol.* 83: 485-494.
 34. Marques, F. R. Centritto, and S.A. Stewart. 1997. Two new species of *Acanthobothrium* in *Narcine entemedor* (Rajiformes: Narcinidae) from the northwest coast of Guanacaste Peninsula, Costa Rica. *J. Parasitol.* 83: 927-931.
 35. Leon-Regagnon, V. 1998. *Machidatrema* n. gen. (Digenea: Hemiuridae: Bunocotylinae) and phylogenetic analysis of its species. *J. Parasitol.* 84: 140-146.
 36. Perez-Ponce de Leon, G., V. Leon Regagnon and S. Monks. 1998. *Theletrum lamothei* sp. nov. (Digenea) parasite of *Echidna nocturna* from Cuajiniquil, Guanacaste, and other digenes of marine fishes from Costa Rica. *Rev. Biol. Trop.* 46(2): 159-168.
 37. Campbell, R., F. Marques, and V.A. Ivanov. 1999. *Paroncomegas araya* (Woodland, 1934) gen. et comb. n. (Cestoda: Trypanorhyncha: Eutetrarhynchidae) from *Potamotrygon motoro* in South America. *J. Parasitol.* 85: 313-320.
 38. Choudhury, A. and P.A. Nelson. 1998. *Lissorchis macropharynx* (Trematoda: Lissorchiidae) from the shorthead redhorse, *Moxostoma macrolepidotum* (LeSueur). *J. Parasitol.* 84: 1196-1202.
 39. Perez-Ponce de Leon, L. Garcia-Prieto, V. Leon Regagnon and A. Choudhury. 2000. Richness and diversity of helminth communities in fishes of Lake Patzcuaro, Michoacan, Mexico. *J. Fish Biol.* 57: 303-325.
 40. Choudhury, A. and T.A. Dick. 2000. Richness and diversity of helminth communities in tropical freshwater fishes: the empirical evidence. *J. Biogeogr.* 27: 935-956.
 41. Choudhury, A. and P.A. Nelson. 2000. Redescription of *Crepidostomum opeongoensis* (Trematoda: Allocreadiidae) from fish hosts, *Hiodon alosoides* and *H. tergisus* (Osteichthyes: Hiodontidae). *J. Parasitol.* 86: 1305-1312.
 42. Monks, S. 2001. Phylogeny of the Acanthocephala based on morphological characters. *Syst. Parasitol.* 18: 81-116.
 43. Jackson, K., N. Kley, and E. Brainerd. 2004. How snakes eat snakes: Biomechanical

challenges of ophiophagy for the California kingsnake, *Lampropeltis getula californiae* (Serpentes: Colubridae). *Zoology* 107: 191-200.

44. Jackson, K. and T. H. Fritts. 2004. Dentitional specialisations for durophagy in the Common Wolf snake, *Lycodon aulicus capucinus* (Serpentes; Colubridae). *Amphibia-Reptilia* 25: 247-254.

10. Papers presented at meetings and symposia

Regional, National and International Conferences and Symposia Organized

- Symposium on Parasite Evolution, Society of Systematic Zoology, Toronto (1978)
 Symposium on Parasite Systematics, American Society of Zoologists, Toronto (1978)
 Cladistics Workshop, American Society of Parasitologists, San Francisco (1981)
 Workshop for graduate students on methods of phylogenetic systematics and use of PHYSYS computer system (sponsored by Western Canadian Universities Deans Association), Vancouver (1982)
 Workshop on Critiques of Neo-Darwinism, First Meeting of the Society of History, Sociology and Philosophy of Biology, Denison, Ohio (1983)
 Symposium on Coevolution, Joint Meeting Society of Systematic Zoology and American Society of Plant Taxonomists, Fargo, North Dakota (1983)
 B.C. Parasitologists Fall Meeting (1987), Spring Meeting, Vancouver (1985, 1983, 1981)
 Symposium on Historical Ecology, Willi Hennig Society, Stockholm, Sweden (1988)
 Symposium on phylogenetic systematics of parasitic helminths in honour of H.W. Stunkard's 100th birthday, American Society of Parasitologists, Vancouver (1989)
 Symposium on Advances in the Unified Theory of Evolution, Winnipeg (1989)
 Workshop on Historical Ecology, First Latinamerican Congress of Ecology, Montevideo, Uruguay (1989)
 Von Ihering Centenary Symposium, American Society of Parasitologists, Madison, Wisconsin (1991)
 Phylogenetics and Evolutionary Processes Symposium, Willi Hennig Society, Toronto (1991)
 Comparative evolutionary biology of parasite-host systems symposium, European Society of Evolutionary Biology, Montpellier, France (1993)
 Parasite Biodiversity, American Society of Parasitologists, Atlanta, Georgia (1993)
 Parasite Biodiversity Workshop, American Society of Parasitologists, Fort Collins, Colorado (1994)
 Symposium on Macroscopic Approaches to Evolution, International Congress of Systematic and Evolutionary Biology V, Budapest, Hungary (1996)
 Assessing Historical Biogeographic and Coevolutionary Associations: A Workshop, Centre for Comparative Biology & Biodiversity, University of Toronto (1998)
 Plenary Session on Integrative Biology, International Congress of Zoology, Athens, Greece (2000)
 Sub-plenary symposium on Parasite Biodiversity Inventories, International Congress of Parasitology, Vancouver (2002)
 Symposium on All Species Initiative, International Congress of systematic and Evolutionary Biology, Patras, Greece (2002)

Symposium on the Biogeography of Parasites and Infectious Diseases, International Biogeography Society, Shepherdstown, West Virginia (2005)
 Workshop “Finding Them Before They Fund Us,” Balatonfüred, Hungary (2017)
 Symposium “Social Science, Natural Science and Science Fiction:” Institute for Advanced Studies Köszeg, Köszeg, Hungary (2019)
 Workshop “Buying Time” (Para Limes EU), Warnsveld, Netherlands (2020)

Invited Symposium Lectures

Numerical Taxonomy Symposium, Society of Systematic Zoology (1977)
 Parasite Systematics Symposium, American Society of Zoologists (1978)
 Parasite Evolution Symposium, Society of Systematic Zoology (1978)
 Evolution and Allergy Symposium, Society for Clinical Ecology (1979)
 Theoretical Issues in Cladistics Symposium, Willi Hennig Society (1980)
 Biogeography Symposium, Willi Hennig Society (1980)
 Cladistics Methodology Workshop, National Science Foundation (US) (1981)
 Evolution and Systematics of Parasitic Platyhelminths Symposium, International Congress of Parasitology (1982)
 Current Issues in Biogeography Colloquium, California State University-Fullerton (1982)
 Ontogeny and Systematics Symposium, Willi Hennig Society (1982)
 Classification Symposium, joint Meeting Society of Systematic Zoology and American Society of Plant Taxonomists (1983)
 Coevolution Symposium, Society of Systematic Zoology (1983), chair
 Parasites of Reptiles Symposium, American Society of Parasitologists (1983)
 Special Seminar Series on Speciation, California State Polytechnic University- San Luis Obispo (1983)
 Annual Systematics Symposium, Missouri Botanical Garden (1983)
 Coevolution Symposium, York University (1984)
 Evolution and Cladistics Symposium, joint meeting of the Willi Hennig Society and the Linnean Society (1984)
 Nonequilibrium Thermodynamics and Biology Symposium, University of Toronto (1984)
 Entropy, Information and Evolution Symposium, California State University-Fullerton (1985)
 Plenary Session on Parasite Evolution, International Congress of Parasitology (1986)
 Future of Canadian Parasitology Symposium, 25th Anniversary, Canadian Society of Zoologists (1986)
 Unified Theory of Evolution Symposium, Canadian Society of Philosophy (1986)
 Thermodynamic Models of Evolution Symposium, California State University-Fullerton (1986)
 Understanding Origins Inter-Disciplinary Symposium, Stanford University (1987)
 Crocodilian Evolution Symposium, American Society of Zoologists (1987)
 Donn E. Rosen Memorial Biogeography Symposium, Society of Systematic Zoology (1987)

Historical Ecology Symposium, Willi Hennig Society (1988)
Historical Ecology and Evolution of North American Freshwater fishes
Symposium, American Society of Ichthyologists and Herpetologists (1989)
Biogeography of Neotropical Fishes Symposium and Workshop, American Society
of Ichthyologists and Herpetologists (1989)
Flora of Malaysia Symposium, University of Leiden (1989)
Nature of Biological Theories Symposium, International Congress of Systematic
and Evolutionary Biology (1990)
Coevolution Symposium, AAAS Southwestern Section Meeting (1990), chair
Symposium on freshwater adaptations in elasmobranchs honoring Thomas B.
Thorson, American Elasmobranch Society (1992)
Workshop on the second century of parasite collections, American Society of
Parasitologists (1992)
Phylogenetic Approaches to Ecology, Joint Symposium, British Museum (Natural
History) and Linnean Society (1992)
Parasite Evolution: Myths, Metaphors and Misconceptions, Comparative Evolutionary
Biology of Parasite-Host Systems symposium, European Society of Evolutionary
Biology (1993)
All-Taxon Biodiversity Inventories: Mobilizing Parasitology, Parasite Biodiversity
symposium, American Society of Parasitologists (1993)
Comparative Biology Symposium, American Society of Zoologists (1995)
NATO Advanced Workshop on Evolutionary Systems, Konrad Lorenz Institut,
Vienna (1995)
Symposium on the Evolution of Disease, Society of Systematic Biology (1996)
Symposium on the Origin and Evolution of Herbivory on Land, VI North American
Paleontological Convention (1996)
Symposium on Conserving Neotropical Ecosystems, American Association of Zoo
Veterinarians (1996)
Workshop on Biological Diversity in Fresh Waters, Trondheim, Norway; Norwegian
Directorate for Nature Management and Norwegian Institute for Nature Research
(1997)
Symposium on Complex Systems, Annual Meeting of the International Society for
History, Philosophy and Social Studies of Biology (1997)
Symposium on Evolutionary Biology of Trilobites, McMaster University (1997)
Symposium on Semiotics, Energy and Evolution, University of Toronto (1997)
“Blod Bad” Conference, Tovetorp, Sweden (1997)
Symposium on Conservation Priorities for the 21st Century, Tampa, Florida, Second
International Conference on Zoos Committing to Conservation (1997)
Symposium Commemorating the Institute of Theoretical Biology, Leiden University,
Netherlands (1998)
Symposium on Biodiversity Inventories, St. Louis, Missouri, Society of Nematology
(1998)
Symposium on Species Concepts, St. Louis, Missouri, Society of Nematology (1998)
“Blod Bad” Conference, Tovetorp, Sweden (1998)
Development of Life Symposium, University of Uppsala (1999)
Closure Symposium, University of Ghent (1999)

- Biodiversity Symposium in honour of 70th anniversary of Instituto de Biologia, Universidad Nacional Autonoma de Mexico (1999)
- “Blod Bad” Conference, Tovetorp, Sweden (1999)
- Symposium on Recent Advances in the Systematics of Vectors and Parasites, Centenary Celebration, Instituto Oswaldo Cruz, Rio de Janeiro (2000)
- Symposium on Historical Biogeography, Willi Hennig Society, Leiden, Netherlands (2000)
- Symposium on Evolution and Information, International Society for Systems Science Congress (2000)
- Biogeography Symposium, Leiden University, Leiden, Netherlands (2000)
- Symposium on Philosophical Issues in Phylogeny Reconstruction, International Congress of Systematic and Evolutionary Biology, Patras, Greece (2002)
- Symposium on All species Initiative, International Congress of Systematic and Evolutionary Biology, Patras, Greece (2002)
- Symposium on Phylogeography and Diversification, International Biogeography Society, Mesquite, Nevada (2003)
- Parallel Workshop on Biological Complexity, Complejidad 2004, Havana (2004)
- Symposium on the Biogeography of Parasites and Infectious Diseases, International Biogeography Society, Shepherdstown, West Virginia (2005)
- Systematics Symposium, AAAS, Washington, D.C. (2005)
- FinBioNet, Tampere, Finland (2005)
- Annual Systematics Symposium, Missouri Botanical Garden, St. Louis (2005)
- Biogeography symposium, Geological Society of America, Salt Lake City (2005)
- Symposium on Complexity Theory and Evolution, Complejidad 2006, Havana (2006)
- Paleobiogeography symposium, Cambridge University, Cambridge, UK (2006)
- Hierarchical Theory of Evolution symposium, EU Science Festival, Genoa (2006)
- “Blod Bad” Conference, Tovetorp, Sweden (2006)
- “Gordon Conference” on Emergence vs. Design in Evolution, Boston (2007)
- Field Museum Darwin Symposium, Chicago (2007)
- Parasite Genetic Bar-coding, Barcode of Life Conference, Mexico City (2009)
- Darwin Celebration Symposium, Lethbridge University (2009)
- Hierarchy Theory Symposium, International Society for History, Philosophy, and Social Studies of Biology, Salt Lake City (2011)
- Parasite Evolution Symposium, Hungarian National Museum of Natural History, Budapest (2012)
- Invited Plenary Symposium Lecturer, 20th Anniversary of the Blod Bad, Tovetorp, Sweden (2013)
- Invited Plenary lecture, XI Simpósio do Programa de Pós-Graduação em Ecologia e Conservação, Universidade Federal do Parana, Curitiba, Brazil (2014)
- Invited Plenary lecture, XII Simpósio do Programa de Pós-Graduação em Ecologia e Conservação, Universidade Federal do Parana, Curitiba, Brazil (2015)
- Invited Participant, Changing species associations in a changing world: A Marcus Wallenberg symposium, Tovetorp, Sweden (2016)
- Invited Symposium Speaker, British Microbiology Society, Liverpool, UK (2016)
- Invited Plenary lecture, XIII Simpósio do Programa de Pós-Graduação em Ecologia e Conservação, Universidade Federal do Parana, Curitiba, Brazil (2016)

Blod Bad Plenary Lecture, Tovetorp, Sweden (2016)
 Invited Symposium speaker “Integrative ecology: from epidemics to landscapes”,
 Hungarian Academy of Science, Budapest (2017)
 Invited Symposium speaker, Blue Sky Conference, Budapest (2018)
 Invited Symposium speaker, Symposium “Social Science, Natural Science and Science
 Fiction:” Institute for Advanced Studies Köszeg, Köszeg, Hungary (2019)
 Invited Symposium speaker, Blue Sky Conference, Budapest (2019)
 Invited Symposium speaker, Evolution and Disease, Hungarian Academy of Sciences
 (2019)
 Invited Symposium speaker, Symposium “Removing Barriers to Buying Time” (Para
 Limes EU) (online) (2021) <https://www.youtube.com/watch?v=4Q5DINNWb5c>

Invited Special Lectures

Evening Lecture, Aquavet Course, MBL, Woods Hole, Massachusetts (parasite
 evolution) (1980-1985)
 Banquet Speaker, Willi Hennig Society, Ann Arbor (1981)
 Graduate Short Course in Historical Ecology, Nordic Council of Ecology, Tovetorp
 Ethological Station (Co-Instructor with Stephen Stearns)(1987)
 Senior Lecturer, International Society of Evolutionary Protistology, London (1987)
 Lecturer on teaching evolution, Northwest Biology Instructors Association (1988)
 Banquet Speaker, Ontario Parasitology Club, Toronto (1988)
 Course on phylogenetic systematics, Brazilian Academy of Sciences, Brazilian Society of
 Biology and Brazilian Society of Ichthyology, Rio de Janeiro (co-Instructor with
 D.A. McLennan) (1989)
 Lecturer, Laurier Lecture Series, Wilfred Laurier University (1989)
 Lecture series on evolutionary theory, Biological Station of Memorial University,
 Newfoundland (1990)
 Workshop on historical ecology, California State University-Fullerton (1991)
 Vaughan Lecture, Royal Ontario Museum (1991)
 Keynote speaker, Midwestern Ecology and Evolutionary Biology Conference, Ann Arbor
 (1992)
 Special Lecturer, Southeastern Society of Parasitologists, Mobile (1992)
 Eminent Ecologist lecture series, Kellogg Biological Station, Michigan State University
 (1992)
 Superspeaker, Duke University (1993)
 Dickinson Lecturer, University of Richmond (1993)
 Special Lecturer, Annual Midwestern Conference of Parasitologists (1993)
 Systematic Zoology of Tapeworms workshop, Museum of Zoology, Geneva (1993)
 Plenary Speaker, Historical ecology and phylogeny, joint meeting of the French
 Systematics Society, French Paleontological Society, and French Zoological
 Society on Systematics and Phylogeny, Paris (1993)
 Invited Speaker, Royal Canadian Institute, Toronto (1993)
 Invited Speaker, Canadian Perspectives (U of Toronto retired alumni) (1994)
 Invited Speaker, Genetics and Society symposium, Molecular Genetics and Biology
 Student Union, University of Toronto (1994)

Invited participant, NATO Advanced Workshop, Lorenz Institut, Vienna (1995)
Keynote Speaker, Conference on Evolutionary Ecology, University of Pittsburgh and Carnegie Institute (1995)
Plenary Speaker, International Congress of the Evolution of Life Histories, University of California-Santa Cruz (1995)
Sigma Xi Lecturer, Youngstown State University (1995)
"Fifty Minutes" Lecture Series Speaker, Thiel College (1995)
Public Lecturer on Biodiversity and Sustainable Development, Virginia Science Museum (1995)
Public Lecturer on evolution of South American freshwater stingrays, Grahamstown Chapter, South Africa Royal Society (1996)
Public Lecturer on evolution of South American freshwater stingrays, Cape Town Chapter, South Africa Royal Society (1996)
Lubinsky Lecture, University of Manitoba (1997)
Keynote Speaker, Workshop "Biological diversity in Fresh Waters", Norwegian Directorate for Nature Management and Norwegian Institute for Nature Research, Trondheim, Norway (1997)
Keynote Speaker, International Conference on Trilobite Phylogeny and Morphometrics, Brock University (1997)
Plenary Speaker, 10th Anniversary Conference of the World Commission on the Environment and Development, Oslo, Norway (1997)
Invited Speaker, Blod Bad Conference, Tovetorp, Sweden (1997)
Invited Speaker and group leader, Great Smoky Mountain National Park ATBI Planning Conference, Gatlinburg, Tennessee (1997)
Keynote Speaker, Institute of Evolutionary and Ecological Sciences annual symposium, Leiden University, Netherlands (1998)
Interdisciplinary Speakers Series, Graduate Initiatives Committee, Emory University, Atlanta, Georgia (2000)
Invited Speaker, Monteverde Conservation League, Costa Rica (2000)
Invited Speaker, "LET'S" Series, Museum of Natural History, Stockholm University (2000)
Keynote Speaker, North American freshwater Molluscs Society, Pittsburgh (2001)
Plenary Speaker, International Congress of Parasitology, Vancouver (2002)
Annual Evolution Group Speaker, Tulane University/University of New Orleans/Loyola University of New Orleans/Southeastern Louisiana State University, Hammond (2003)
Invited Special Lecture on Parasite Biodiversity, Southeastern Society of Parasitologists, Mobile, Alabama (2003)
Special Plenary Speaker, South African Society of Systematic Biology, Pretoria (2003)
Special Lecture, South African Society of Systematic Biology, Pretoria (2003)
University Lecture, University of Pretoria, Pretoria (2003)
Invited Roundtable participant, Parallel workshop on Biological Complexity, Complejidad 2004, Havana, Cuba (2004)
Keynote Speaker, Helminthological Society of Washington, DC, Washington, DC (2004)
Magistral Speaker, First Mexican Phylogenetics Conference, Xalapa, Mexico (2004)

- Evening public lecture series, Noble Foundation, Ardmore, Oklahoma (2004)
- Public Lecture on occasion of receiving honorary degree, Stockholm University, Stockholm, Sweden (2005)
- Stoll-Stunkard Lecturer, International Congress of Parasitology, Glasgow, UK (2006)
- Invited speaker, Northern Plains Biology Society Keynote Speaker at Annual Meeting (2007)
- University of Kentucky Evolutionary Biology Conference Kentucky Keynote Speaker at Annual Meeting (2007)
- Winter Commencement Address, University of Nebraska-Lincoln (2007)
- Special Lecture for Darwin Celebration, Hamilton College (2009)
- Keynote lecture, joint congress of the Brazilian Society of Parasitologists and Mercosur Parasitologists (2009)
- Chair, roundtable on emerging infectious diseases, joint congress of the Brazilian Society of Parasitologists and Mercosur Parasitologists (2009)
- Gerald D. Schmidt Memorial Lecture, Rocky Mountain Conference of Parasitologists (2010)
- Hungarian Society of Parasitologists, Invited Plenary Lecture, Budapest, Hungary (2010)
- Blod Bad Conference, Special Invited Evening Presentation, Tovetorp, Sweden (2010)
- Annual Invited lecture, Center for Biodiversity, University of Vienna, Vienna, Austria (2010)
- Opening Plenary Lecture, Annual meeting of the Czech & Slovak Parasitologists, Ceske Kanada, Czech Republic (2011)
- Invited Lecture, Inaugural Lecture Series, Institute for Grasslands Research, Debrecen, Hungary (2011)
- Opening Keynote Lecture, Symposium on Parasite Evolution, National Museum of Natural History, Budapest, Hungary (2012)
- Congress Speaker, Brazilian Society of Zoology Congress, Foz do Iguacu (2012)
- A.V. Gussev Memorial Lecture, International Monogenea Conference, Rio de Janeiro, Brazil (2013)
- European Consortium on Ichthyoparasitology, Plenary lecture, Hradec nad Moravici, Czech Republic (2013)
- Scientia Renal* Group of the Universidade Federal do Parana and the Pontificia Universidade Catolica, Curitiba, Brazil (2014)
- Invited panel member, Panel of Climate Change and Disease, University of California Santa Cruz Climate Change and Policy Conference (2016)
- Researchers Night Lecture, Kőszeg, Hungary (2016)
- Invited Speaker, "Disrupted balance – Societies at risk", *Para Limes, Global Dialogue*, Nanyang Technical University, Singapore (2016)
- Invited speaker, *Stories Room: Creative Chaos*, Beyond the Obvious; Quo vadis Europa? Culture Action Europe Budapest (2017)
- Invited speaker, *Inspirational Talk*, Beyond the Obvious; Quo vadis Europa? Culture Action Europe Budapest (2017)
- Invited speaker, "The Future of Science in Central Europe," Institute for Advanced Study Kőszeg, International Summer University, Kőszeg (2017)
- Invited speaker, *Science in the Pub* series, Veszprem University (2017)
- Congress Speaker, Brazilian Society of Zoology Congress, Foz do Iguacu (2018)

- Keynote Speaker, *Climatters*, University of Public Service, Budapest (2018)
- Invited speaker, “The Future of Science in Central Europe,” Institute for Advanced Study Kőszeg, International Summer University, Kőszeg (2018)
- Keynote speaker, “Parasitology Days,” Austrian Society for Tropical Medicine, Parasitology and Migration Health, Veterinary University, Vienna (2018)
- Keynote speaker, 4th International Creative City- Sustainable Region (KRAFT) Conference, Kőszeg (2018)
- Keynote speaker, UNECSO Management of Social Transformation (MOST) Winter School, Kőszeg (2019)
- Plenary Lecture, Conference on Climate Change, University of Petra, Amman, Jordan (2019)
- Keynote speaker, *The Circle* Conference (European Association of Communications Directors), Budapest (2019)
- Evening Lecture, Wachiska Chapter, Audubon Society, Lincoln, Nebraska (2019)
- Special Lecture, Centennial College 50th anniversary, University of Nebraska-Lincoln (2019)
- J. Teague Self Memorial Lecture, University of Nebraska State Museum (2019)
- Invited speaker, President’s Speakers Series on Sustainability, CUNY, New York (2020)
- Invited Panelist. UNESCO Forum on Water and COVID-19, Geneva (2020)
- Invited speaker, “Dancing with Uncertainty: Trials and Transformations in Central and Eastern Europe, 1989 to COVID-19,” Institute for Advanced Study Kőszeg, International Summer University, Kőszeg (2020)
- Invited speaker, *Distinctive Voices* Lecture Series, National Academies of Sciences, Engineering and Medicine Irvine, CA (2020)
<https://youtu.be/XNMyyy6mHhA>
- Invited panelist, Institute for Advanced Study Kőszeg, UNESCO Winter School, Kőszeg (2021)
- Invited Panelist, PIELC Panel on Climate Change, Public Health, and Human Rights, University of Oregon Law School (2021)

11. Invited Lectures

- 1978 University of California-Santa Barbara; Los Angeles County Museum of Natural History; California State University-Fullerton; University of Wisconsin-Milwaukee
- 1979 Johns Hopkins University
- 1980 US National Museum of Natural History (Smithsonian Institution); University of Nebraska-Lincoln; University of Nebraska State Museum; State University of New York-Stony Brook
- 1980 American Museum of Natural History
- 1982 University of New Mexico; University of Nebraska-Lincoln; University of Texas; Los Angeles County Museum of Natural History
- 1983 University of Oklahoma; Oregon State University (3 lectures); California State Polytechnic University-San Luis Obispo
- 1984 University of Toronto; University of Victoria; California State University-Fullerton

- 1985 University of Connecticut
- 1986 American Type Culture Collection; National Museum of Natural History (Smithsonian Institution); California State University-Fullerton; University of Connecticut; University of Auckland (NZ) (10 lectures); Victoria University of Wellington (NZ); University of Canterbury, Christchurch (NZ) (10 lectures); University of Nebraska (3 lectures); University of Kansas
- 1987 Brigham Young University (4 lectures); California State University-Fullerton (2 lectures)
- 1988 University of Guelph; Royal Ontario Museum; University of Lethbridge; University of Miami (8 lectures); University of Stockholm
- 1989 EMBRAPA (Brasil) Laboratory, Curumba; Instituto Oswaldo Cruz, Rio de Janeiro; University of Toronto, Scarborough; McGill University; Redpath Museum, Montreal
- 1990 University of South Alabama; Memorial University, St. John's, Newfoundland; University of Alabama
- 1991 University of Texas (2 lectures); California State University-Fullerton; Cedar Point Biological Station, Ogallala, Nebraska; McMaster University; University of Chicago
- 1992 University of Florida School of Veterinary Medicine; Museum of Zoology, University of Michigan; University of Nebraska State Museum; Escuela de Biologia and Escuela de Microbiologia, Universidad de Costa Rica; Queen's University; Brock University; University of California-Irvine
- 1993 University of Minnesota; Duke University; University of Victoria; University of Nebraska State Museum; University of Richmond; University of Tennessee; Graduate School of Oceanography, University of Rhode Island; University of Leiden; Canadian Museum of Nature; University of Toronto-Erindale; University of Texas-El Paso
- 1994 Biosystematics Laboratory, Agriculture Canada, Ottawa; York University; American Museum of Natural History; Instituto de Biologia, Universidad Nacional Autonoma de Mexico; Centro de Ecologia, Universidad Nacional Autonoma de Mexico; Universidad Nacional Autonoma de Mexico Estacion de Biologia, Chamela
- 1995 Department of Organismic and Evolutionary Biology, Harvard University (3 lectures); Department of Biology, Thiel College; Program in Environmental Science, Youngstown State University
- 1996 Department of Biology, University of Vermont; Department of Zoology & Entomology, Rhodes University, Grahamstown, South Africa; Department of Zoology & Entomology, University of the Orange Free State, Bloemfontein, South Africa; Department of Zoology, University of Pretoria, Pretoria, South Africa; Department of Zoology, University of Witwatersrand, Johannesburg, South Africa; California State University-Fullerton; Michigan State University
- 1997 Wake Forest University; Norwegian Institute for Nature Research; Zoological Museum, Oslo; University of Toronto
- 1998 Trent University; University of Arkansas
- 1999 University of Delaware
- 2000 Emory University

- 2003 Southeastern Louisiana University; Venda University, Venda, South Africa
- 2004 University of Texas-Arlington; Texas A & M University
- 2005 Helsinki University, Helsinki, Finland; Turku University, Turku, Finland
- 2006 University of New Orleans
- 2007 University of North Dakota
- 2008 Instituto de Ecologia, UNAM-Xalapa, Mexico; Museum of Natural History, Madrid, Spain
- 2009 Hamilton College; University of Kansas; Cedar Point Biological Station
- 2010 Collegium Budapest; Institute of Botany, University of Vienna
- 2011 Debrecen University, Debrecen, Hungary; Babas Bulyai University, Cluj-Napoca, Romania; University of South Bohemia, Czech Republic ; Iowa State University
- 2012 Universidade Federal do Parana; Universidade Estadual do Maringa
- 2013 CISSA, Trieste; Masaryk University, Brno
- 2014 University of Nebraska State Museum of Natural History; LEMPE, Universidade Federal do Parana, Curitiba, Brazil Lecture series (8 weekly presentations)
- 2015 Harvard University Medical School (Dept. of Systems Biology)
- 2016 Universidade Federal do Parana (Ecology Graduate Program); Debrecen University; Institute for Advanced Research, Kőszeg
- 2017 Stellenbosch Institute for Advanced Study, Fellows Seminar
- 2018 Institute for Advanced Study, Kőszeg, Public Lecture Series; Institute of Ecology, Ukraine Academy of Science; Research Institute, Askania Nova World Heritage Site, Ukraine; Institute for Advanced Study, Kőszeg, Fellows Lecture
- 2019 University of Petra, Jordan; School of Biological Sciences, University of Nebraska-Lincoln; University of Pecs, Pecs, Hungary
- 2020 Konrad Lorenz Institute; Universidad Nacional Autonoma de Mexico <https://youtu.be/n9UuHFU1N5M>; Conservation Nebraska; University of Lethbridge
- 2021 Illinois Natural History Survey, University of Illinois (https://mediaspace.illinois.edu/media/t/1_16a3xgqp); H.W. Manter Laboratory Seminar Series, University of Nebraska State Museum; Fellows Seminar, Stellenbosch Institute for Advanced Studies; Visiting Fellows seminar, Konrad Lorenz Institute for Evolution and Cognition; Hungarian National Center for Ecological Research; Institute for Advanced Study, Kőszeg, Hungary
- 2022 Stockholm Paradigm and DAMA Protocol, Tick-borne disease group for Horizon 2022

12. Invited International Workshops

- 2013 Workshop to formulate DAMA Protocol, University of Nebraska Field Station
- 2015 Wallenberg Foundation workshop on Ecological Associations, Tovetorp Field Station, Sweden
- 2016 Workshop for Hungarian DAMA pilot project, Lake Balaton, Hungary
- 2017 Workshop for COST proposal for DAMA network in EU, Parmenides Foundation, Pullach, Germany

- 2020 Virtual roundtable looking at the design of climate risk assessments for decisions makers, [Berlin Climate and Security Conference 2020](#) (Part II), sponsored by Chatham House
- 2021 Co-organizer and presenter, “Buying Time” webinar, sponsored by Para Limes
- 2021 Invited participant, Systemic Risk Workshop, sponsored by Chatham House

D. Teaching

13a. Undergraduate Courses:

1980-88: University of British Columbia

First-year Biology (3 times) - 180 students/section; I taught 1 section covering genetics, development, and evolution/ecology.

Zoogeography (15% of course, 8 times) - 75-150 students/section

Parasitology (8 times) - 9-24 students/section; I taught this course using a format that mirrored actual activities of parasitologists. The lecture portion consisted of introductory material, followed by students choosing a research topic each term. The students performed library research, presented their findings to the class (equivalent of presenting a paper at a conference), modified their findings on the basis of critiques from other students (equivalent of peer review), and submit a written term paper (equivalent of submitting a manuscript for publication). In the laboratory, students compiled data books about parasites and their biology.

History and Philosophy of Biology (guest lectures); **Honours Seminar** (1 lecture); **Plant Taxonomy** (1 guest lecture); **Undergraduate Directed Studies** (4 times); **Honours Thesis Research** (1 student)

1989-2009: University of Toronto

First-year Biology (Bio 110) - 1989-90 Advanced topics lectures on evolution and ecology/behavior

First-Year Evolution and Ecology (Bio 150) - 1991-3 (1,500 students) The Evidence for Evolution, Major Patterns of Diversity; I taught a section to provide a general framework, and 4 of the last 6 lectures, to help provide an overview of the course; helped re-write three laboratory exercises, produced handout materials for my lectures, team leader for 3 laboratory exercises; 1999-2000 (2 introductory lectures on biodiversity and its importance)

First-Year Seminar Course (SCI 199Y)- 1994-5 Understanding Tropical Biodiversity (20 students) (designed course)

Second-year Evolution (Zoo 214)- 1990-1 1/3 of course-Macroeolution portion; the lecture topics in this course form the basis for my lectures in Bio 150 (50 students)

Second-year Biodiversity (Zoo 265Y)- 1997 half of course; course is combination of basic animal diversity (labs) coupled with concepts of sustainable development and sustainable use of biodiversity resources (team-taught with D.A. McLennan)

Third-year Survey of Evolution (Zoo 324Y): 1989-90 (35 students, 1/3 of course), 1997-8 (-- students, 10% of course-lectures on systematics)

Third-year Introduction to Macroevolution (Zoo 362H): 1991-2 (31 students), 1992-3 (35 students), 1993-4 (35 students), 1994-5 (35 students), 1995-6 (53 students); 1996-7 (55 students); 1997-8 (45 students); 1998-9 (47 students) (team leader and course developer)- current research in macroevolution, emphasizing historical ecology (team-taught with D.A. McLennan)

Third-Year Invertebrate Zoology (Zoo 353H)-I guest lecture per year on importance of systematics

Fourth-year Phylogenetic Systematics (Zoo 462H)- I teach a few lectures about advanced methods in phylogenetic analysis occasionally, and have been active in re-formulating the course into a 1-term 300-level introductory course and a 1-term 400-level advanced topics course which began in September 1991. One of my contributions towards teaching phylogenetic systematics and macroevolution has been co-authoring a phylogenetics workbook and a book on the integration of phylogenetic, ecological and behavioral information. These are required texts for Zoo 362F, and recommended reading for Biology 150

Fourth-year Topics in Parasitology (Zoo 468)- 1989-90 (10 students) (team leader)

Integrative Studies in Macroevolution (Zoo 491Y): 1993-4 (4 students) (designed and mounted course)

Integrative Studies in Evolution (Zoo 494Y): 1995-6 (8 students); 1996-7 (8 students) (1/4 of course); 1997-8 (9 students) (1/4 of course); 1998-9 (11 students) (1/4 of course); 1999-2000 (12 students) (1/4 of course); 2000-01 (12 students) (1/4 of course)

Independent Study (Zoo 498Y/499Y): 1992-3 (1 student); 1993-4 (1 student); 1994-5 (1 student); 1995-6 (1 student); 1996-7 (2 students-teamed with D.A. McLennan); 1997-8 (1 student); 1998-9 (1 student)

13b. Graduate Courses:**1980-88: University of British Columbia**

Systematics and Evolution (5 times); Advanced Parasitology (4 times);
Graduate Directed Studies (5 times)

1989-2009: University of Toronto

Zoo 1002Y: Macroevolution reading course (1992-3: 7 students, 1993-4:
6 students; 1994-5: 9 students; 1995-6: 5 students; 1996-7: 2 students; 1997-8:
9 students; 1998-9: 3 students - co-taught since 1995-6 with D.A. McLennan);
Evolution and Development reading course (1995-6: 8 students-co-taught with E.
Larsen)

Zoo 1462Y: Advanced Phylogenetics/Macroevolution (half of course in 1991-2:
9 students; 2 guest lectures each year since then)

Zoo 1503H: Foundations of Phylogenetics (with D. A. McLennan): 2003-4 (12
students)

Zoo 1504H: Species and Speciation (with D. McLennan and R. Winterbottom):
2000-01 (5 students), 2002-3 (5 students)

Zoo 1505H: Foundations of Evolutionary Thought: 2004-5 (3 students)

13c. Theses supervised**Undergraduate:**

5 Directed Studies students resulting in 4 published papers (UBC)
1 Honours Student (UBC)
12 Independent study students resulting in 11 published papers (UT)

Graduate:*M.Sc. Students (with graduation dates):*

D. Glen (1984); S. Bandoni (1985); C. Macdonald (1987); J.
Carney (1991); B. Rannala (1991)

Ph.D. Students (with graduation dates):

R. O'Grady (1987); George Benz (1993); Gregory Deets
(1994); Scott Monks (1998); Fernando Marques (1999); David
Herczeg (2017, co-supervisor)

Member of Research Committees:

4 M.Sc. and 2 Ph.D. students (UBC, 1980-8)

1 M.Sc. student (U of T, current)

>50 Ph.D. students (U of T, 1988-2010)

External:

Dra. Virginia Leon Regagnon, Universidad Nacional Autónoma de México (1993-1996)

Dr. Steven Brewer, Western Michigan University (1995-1996)

Dr. Marco van Veller, Leiden University (1997-2000)

13d. Other teaching

- 1980 Lunchtime phylogenetics course NMNH, Smithsonian Institution, Washington DC [first instruction in phylogenetics at NMNH]
- 1986 Historical ecology course, NMNH, Smithsonian Institution, Washington DC (co-taught with VA Funk)
- 1986 Historical ecology course, University of Canterbury, Christchurch, NZ)
- 1987 Historical ecology series, Brigham Young University, Provo UT
- 1987 Graduate Short Course in Historical Ecology, Nordic Council of Ecology, Tovetorp Ethological Station, Tovetorp, Sweden (Co-Instructor with Stephen Stearns)
- 1988 Historical ecology course, University of Miami, Miami, FL
- 1989 Course on phylogenetic systematics, Brazilian Academy of Sciences, Brazilian Society of Biology and Brazilian Society of Ichthyology, Rio de Janeiro, Brazil
- 1990 Lecture series on evolutionary theory, Biological Station of Memorial University, Newfoundland, Canada
- 1991 Workshop on historical ecology, California State University-Fullerton, Fullerton, CA
- 1992 Historical ecology course, Eminent Ecologist lecture series, Kellogg Biological Station, Michigan State University, East Lansing, MI
- 1994 Parascript course, Instituto de Biología, Universidad Nacional Autónoma de México, Mexico City, Mexico
- 1996 Historical ecology course, Rhodes University, Grahamstown, South Africa
- 1996 Advanced undergraduate Evolution course, Stockholm University (co-taught with DA McLennan), Stockholm Sweden
- 1997 Advanced undergraduate Evolution course, Stockholm University (co-taught with DA McLennan), Stockholm Sweden
- 1998 Advanced undergraduate Evolution course, Stockholm University (co-taught with DA McLennan), Stockholm Sweden
- 1999 Advanced undergraduate Evolution course, Stockholm University (co-taught with DA McLennan), Stockholm Sweden
- 2000 Advanced undergraduate Evolution course, Stockholm University (co-taught with DA McLennan), Stockholm Sweden

- 2001 Advanced undergraduate Evolution course, Stockholm University (co-taught with DA McLennan), Stockholm Sweden
- 2002 Advanced undergraduate Evolution course, Stockholm University (co-taught with DA McLennan), Stockholm Sweden
- 2003 Advanced undergraduate Evolution course, Stockholm University (co-taught with DA McLennan), Stockholm Sweden
- 2004 Advanced undergraduate Evolution course, Stockholm University (co-taught with DA McLennan), Stockholm Sweden
- 2005 PACT Workshop, UNAM, Mexico City, Mexico
- 2005 Advanced undergraduate Evolution course, Stockholm University (co-taught with DA McLennan), Stockholm Sweden
- 2005 Short Course in Historical Ecology, Institute for the Study of Complexity and National Museum of Natural History, Havana, Cuba
- 2006 Advanced undergraduate Evolution course, Stockholm University (co-taught with DA McLennan), Stockholm Sweden
- 2007 PACT Workshop, University of Kentucky, Lexington, KY
- 2008 Biogeography course, University of the Azores, Ponta Delgado, Azores, Portugal
- 2008 Biogeography course, Museum of Natural History, Madrid, Spain
- 2009 Biogeography workshop, Instituto Politecnico Nacional, Centro Interdisciplinario de Ciencias Marinas, La Paz, Baja California Sur, Mexico
- 2010 Comparative Evolutionary Biology workshop, UNAM and Universidad de Colima, Colima, Mexico
- 2011 SISSSA Master of Complex Actions program, Trieste, Italy
- 2012 Introductory Historical Ecology (Curitiba, Brazil, live video to Maringa and online streaming; Advanced Historical Ecology (Maringa, Brazil, live video to Curitiba and online streaming) for stored presentations:
<https://sites.google.com/site/seminarioseco/altos-estudos---ecologia-historica/webcasts-movies>
- 2013 SISSSA Master of Complex Actions program, Trieste, Italy
- 2014 Historical Ecology course, Universidade Federal do Parana, Curitiba, Brazil
- 2015 Stockholm Paradigm course, Universidade Federal do Parana, Curitiba, Brazil
- 2016 Climate Change and Emerging Disease course, Universidade Federal do Parana, Curitiba, Brazil
- 2018 MA in International Public Policy: Modules in Evolutionary Perspectives on Sustainability; Climate Change and Emerging Infectious Disease, University of Pannonia, Köszege, Hungary
- 2019 MA in International Public Policy: Module: The Long March from Science to Public Policy, University of Pannonia, Köszege, Hungary
- 2020 MA in International Public Policy: Module: Putting Darwinism to Work in a time of existential threat to humanity, University of Pannonia, Köszege

- 2020 Opening presentation, optional course on Wildlife Diseases and Conservation Medicine, Faculty of Veterinary Medicine, University of Lisbon, Portugal
- 2021 Opening presentation, optional course on Wildlife Diseases and Conservation Medicine, Faculty of Veterinary Medicine, University of Lisbon, Portugal

E. Administrative Positions

14a. Positions held and service on committees and organizations within the university

Departmental: (UBC): Graduate Admissions Committee (1980-5); Department Retreat Committee; Undergraduate Adviser; Department Future Goals and Direction Committee; Department Computing Use Committee. (UT): Department Executive Committee (1990-2; 2000-); Department Research Committee (1989-1992, Chair, 1990-1991); Laboratory of Analytical Systematics Committee (1990-6); Tenure and Promotion Committee (1996-); Computer Technologies Committee (1996-); Search Committee for NSERC University Research Fellow (1989); Search Committee for Ecology Faculty Positions (1992-); Tenure and Promotions Committee (1999-2005); Undergraduate program cmte (2006-2007); Graduate Admissions cmte (2007-2008); Department pdf selection cmte (2007-2008); Chairman's *ad hoc* committee on CIAR; *ad hoc* Evolutionary Biology Graduate Program Steering Committee and seminar selection committee; Consultant to associate chairman on development of undergraduate curriculum in evolutionary biology; New first-year Biology course development team (lecture development team); Presentation on grantsmanship to graduate students; chair, ad hoc committee on future of evolutionary biology in Zoology Department

College: University College Faculty, committee on UC activities (1994-5), speaker UC Forum (1994), committee on Scholarships & Bursaries (1995-7)

University: (UBC): Faculty of Science Representative to Faculty of Agricultural Sciences. (UT): Senate Doctoral Examinations, Faculty of Graduate Studies Graduate Degree Committee (1990-); Department Research Representative to Dean's Director of Research Initiatives (1991); Arts and Science Undergraduate Education Advisory Committee (1994-5); U of T Academic Forum between Ontario Universities and Universities of Rio de Janeiro State (1995); U of T Forum between Science Faculty and Science Journalists (1996); Jury Pool, University Tribunal (1996-8, 2000-2002; 2003-); tenure committee, Department of Anthropology (1998-9)

14b. Post-doctoral Fellows

- 1994 **Gerardo Perez Ponce de Leon** (now faculty, Instituto de Biologia, Universidad Nacional Autonoma de Mexico, Mexico)
- 1996-8 **Virginia Leon-Regagnon** (now faculty, Instituto de Biologia, Universidad Nacional Autonoma de Mexico, Mexico)
- 1997-9 **Anindo Choudhury**, NSERC PDF (now faculty and former Dean, St. Norbert's College, USA)
- 2002-3 **Zhang Luping** (now faculty Hebei University, People's Republic of China)
- 2003-2005 **Katherine Jackson** NSERC PDF (now faculty, Evergreen University, USA)
- 2004 **Niklas Janz** PDF (now faculty, Stockholm University, Sweden)
- 2005-2007 **Peter Watts** NSERC Microgenomics Network PDF (Hugo award-winning science fiction writer)
- 2007-2008 **Rosario Mata**, DGAPA (Mexico) PDF (now faculty, Instituto de Biologia, Universidad Nacional Autonoma de Mexico, Mexico)
- 2008-2010 **Salvatore Agosta**, EEB PDF (now faculty, Virginia Commonwealth University, USA)
- 2014-2015 **Sabrina Araujo**, Ciencias sem Fronteiras post-doctoral fellow (now faculty, Universidade Federal do Parana, Brazil)
- 2020- **Orsolya Bajer-Molnar**, Konrad Lorenz Institute post-doctoral fellow

14c. Visiting graduate students from other universities

- 1998 **Kai Chan** (Princeton University); **Marco van Veller** (Leiden University)
- 2001 **Marco van Veller** (Leiden University)
- 2007 **Omar Rodriguez** (UNAM, Mexico City)

F. Other Relevant Information

Community Service:

Lecturer: Vancouver Public Aquarium (Parasites and Diseases of Aquarium Fishes); UBC Centre for Continuing Education (Darwin and Evolution portion of public short course); Second Annual "Teaching OAC Biology" Workshop; Exhibit, U of T Day (1989, 1992); Ecotourism, U of T Day (1992); Royal Canadian Institute (1994: lecture on origins of Neotropical freshwater stingrays); Canadian Perspectives (1995: lecture on origins of Neotropical freshwater stingrays); Science Museum of Virginia (1995: lecture on sustainable development); Saturday Morning Seminars, Faculty of Arts & Science, University of Toronto (1997: lectures on sustainable development); Thomas A. Blakelock High School, Oakville, Ontario (lecture on Costa Rica's sustainable development plans); Learning Unlimited (U of T Senior Alumni); Brodie Naturalists Club; 'Philosophy on Bay' group (biodiversity); UT Senior Alumni (biodiversity); Berkeley Springs (WV) High School 12th grade Biology Class

Judge: Annual Science Fair, Academia Teocali, Liberia, Costa Rica (1999)

Co-instructor (with Deborah McLennan): Activity Science Camp with Hispanic Youth (Centre for Spanish-Speaking People's Youth Program) tour of Col. Sam Smith Park

Leader: Dragon Academy, Toronto, spring break class for 19 high school students and 9 adults to Area de Conservacion Guanacaste (2009); for 4 students and 3 adults to Cuba (2010)

Radio and Internet Interviews: *Science Journal* CJRT-FM Toronto (1989-new ideas in evolution; 1990-AMES Group conference summary; 1993-Evolution of freshwater stingrays; 1994-Costa Rican All-Taxon Biodiversity Inventory; 1996-Biodiversity based economic development- 2-part interview); *Radio Canada International* (CBC) (1995-Costa Rican ATBI); CBC Radio *Metro Morning* Program Interview on ATBI Activities (1996); CBC Radio *Morningside* Program Interview on ATBI Activities (1996); SABC Radio *Sunday Morning* on Biodiversity (Johannesburg-1996); CBC Radio *Quirks & Quarks* Program on Valuing Biodiversity (1997); Radio Netherlands program on Science & Religion (2000); CBC Radio "Quirks & Quarks" (2004); NPR program "Earthwatch" (2005); CUNY webinar (2020)

<https://mailchi.mp/d24f52559327/ttn-highlightsprofessor-daniel-brooks-on-emerging-diseases?e=663fdcc63c>;

Through the Noise podcast (2020)

<https://throughthenoise.us/mediacast/ttn-535-daniel-brooks-author-of-the-stockholm-paradigm/>;

Through the Noise podcast (2020)

<https://throughthenoise.us/mediacast/ttn-545-professor-daniel-brooks-author-of-the-stockholm-paradigm-on-the-covid-19-situation/>;

George Town University (Malaysia) George Town Conversations

https://drive.google.com/file/d/1ImhzoF-mRlImhzUwds4Hy6BD_YgXoj-1L/view

Stellenbosch Institute of Advanced Study

<https://stias.ac.za/2020/09/putting-darwinism-to-work-for-humanity-in-a-time-of-existential-crisis/>

Chatham House Webinar: Environmental Change and Emerging Disease (2020)

Through the Noise podcast (2020)

<https://throughthenoise.us/mediacast/ttn-568-dr-daniel-brooks-on-the-covid-19-vaccine/>

Podcast, BAIPCAST, Graduate Program in Biology of Infectious and Parasitic Agents Universidad Federal do Para, Brazil (2020)

Linnean Society Podcast series (2021)

Through the Noise podcast (2021)

Television: CTV *Towards 2000* (Systematics Agenda 2000); Discovery Channel News Magazine *Discovery Canada* Feature on Darwin's *Origin of Species* (1995); @Discovery.CA Interview on ATBI Activities (1996); TVO education program for elementary school teachers on biodiversity (1996); *Mission: Earth* episode on Costa Rica (filmed June 1996; first aired 28 January 1998); Daily Planet (Discovery Channel Canada) interview on Costa Rican birds (2003); Interviewed for Creationism/Evolution Documentary, Fairchild TV (2008)

Media Features: *New York Times*, *Science Times*

Section (1993-new book on parasite evolution); *Toronto Globe and Mail*,

San Jose (Costa Rica) *El Nacion*, and Lima (Peru) *El Comercio*; *Beijing*

(PRC) *China Science News* (1993-excerpt of *NYTimes* article; *Der Spiegel*

(1993-parasite evolution); *Mundo No. 21* (1993-parasite evolution); *U of T*

Bulletin (1994-Unified Theory of Evolution Presentation); *U of T Bulletin*

(1995-Costa Rican ATBI); *U of T Magazine* (1996-Feature on Costa Rican

ATBI); featured in *National Geographic* article on parasitism (1997); *Audubon*

article on my work in Costa Rica (2000); *Parasite Rex* features some of my

work (2000); *National Post* article on All-Species Initiative (2002); *University of*

Toronto Magazine (part of feature on 150th anniversary of Zoology Department)

(2003); Letter to the editor (3 Feb 2020), *Toronto Globe and Mail*

<https://www.theglobeandmail.com/opinion/letters/article-feb-3-trump-can-do-no-right-just-ask-adam-schiff-readers-react/>

Ensia: <https://ensia.com/features/pandemics-climate-change-migration-globalization-emerging-infectious-disease-covid19/>

Food & Environment Reporting Network: <https://thefern.org/2020/09/how-does-climate-change-migration-and-a-deadly-sheep-disease-alter-our-understanding-of-pandemics/>

Virginia Commonwealth University feature about *The Major Metaphors of Evolution*

https://www.news.vcu.edu/article/Survival_of_the_fit_A_VCU_professors_new_book_calls_for_a_shift

24.hu interview

<https://24.hu/tudomany/2020/11/17/daniel-brooks-interju-stockholm-paradigma-klimavaltozas-technologiai-civilizacio-emberiseg-biodiverzitas-koronavirus-jarvanyok/>

Photography

www.danbrookphoto.com

Photo essay *Avocet* (2021)

Exhibitions:

“Landscapes” – Collegium Budapest, Budapest, Hungary (2010)

See.me Exhibition - Louvre, Paris (2015)