

# CURRICULUM VITAE

## I. Biographical Information

**Name:** Daniel Rusk Brooks, FRSC

**Home Address:**

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**Home Page:** <http://www.zoo.utoronto.ca/brooks/>

**Parasite Biodiversity Site:** <http://brooksweb.zoo.utoronto.ca/index.html>

**Date of Birth:** 12 April 1951

**Citizenship:** USA

**Marital Status:** Married to Deborah A. McLennan

**Recreational Activities:** Tennis, Travel, Wildlife Photography

**Language Capabilities:** Conversant in Spanish

## II. Educational Background

**Undergraduate:** 1969-1973

B.S. with Distinction (Zoology)  
University of Nebraska-Lincoln  
Thesis supervisor: M. H. Pritchard

**Graduate:** 1973-1975

M.S. (Zoology)  
University of Nebraska-Lincoln  
Thesis supervisor: M. H. Pritchard

1975-1978

Ph.D. (Biology)

Gulf Coast Marine Research Laboratory (University of Mississippi)

Dissertation supervisor: R. M. Overstreet

### III. Professional Employment

University of Notre Dame NIH Post-doctoral Trainee (Parasitology)	1978-1979
National Zoological Park, Smithsonian Institution, Washington, D.C. Friends of the National Zoo Post-doctoral Fellow	1979-1980
University of British Columbia Assistant Professor of Zoology Associate Professor of Zoology	1980-1985 1985-1988
University of Toronto Associate Professor of Zoology Professor, University College Faculty of Graduate Studies Professor of Zoology	1988-1991 1992-6 1988- 1991-

### IV. Professional Activities

#### 1. Awards and Distinctions:

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 (1999)  
 Henry Baldwin Ward Medal, American Society of Parasitologists (1985)  
 Charles A. McDowell Award, Faculty of Science, University of British Columbia (1985)  
 UBC Izaak Walton Killam Memorial Faculty Research Fellowship (1988-1989)  
 Distinguished Visiting Scientist Awards: Museum of Zoology, University of Michigan  
 (1983); Smithsonian Institution (1986); Brigham Young University (1987);  
 University of Miami (1988)  
 Visiting Erskine Fellow, University of Canterbury, Christchurch, New Zealand (1986)  
 Graduate Fellowship, University of Mississippi (1977-8)  
 Golden Slide Award, H. W. Manter Laboratory, Division of Parasitology, University of  
 Nebraska State Museum (first recipient, 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; *Acanthobothrium brooksi* Monks,  
 Vrbova, and Marques; *Goezeella danbrooksi* deChambrier, Rego and Mariaux;  
*Brooksithrips* Retana and Mound

## 2. Membership in Professional Societies:

American Society of Parasitologists; Society of Systematic Biology; Society for the Study of Evolution; Helminthological Society of Washington, D.C.; Society of Neotropical Ichthyologists; Sigma Xi

## 3. Positions as Officer in Professional Societies:

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, 18<sup>th</sup> 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: 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: Ernst Mayr Award, Society of Systematic Zoology; Student systematics Award, American Society of Parasitologists

## 4. Professional Consultancies:

British Columbia Provincial Museum (1984), Evolution exhibit

Research Associate Royal Ontario Museum (1988-)

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)

Research Affiliate University of Nebraska State Museum, Harold W. Manter Laboratory of Parasitology (1991-)

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 (1993-2000)

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)

International Coordinator, Inventory of Eukaryotic Parasites of Vertebrates, Area de Conservacion de Guanacaste, Costa Rica (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- 4)  
 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)  
 International Evaluator, Institute for Environmental Studies, University of Pretoria (2003)  
 Steering Committee, Neotropical National Ecological Observatory network (NeoNEON)  
 (2004)  
 Advisory Committee, *Encyclopedia of Earth's Species* (2004-)  
 Member, NSERC Microgenomics Network, Bar Code of Life Canada (BOL.ca) (2004-)  
 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)

#### **5. Conferences and Symposia Organized:**

Parasite Evolution, Society of Systematic Zoology (1978)  
 Parasite Systematics, American Society of Zoologists (1978)  
 Cladistics Workshop, American Society of Parasitologists (1981)  
 Graduate student workshop on phylogenetic systematics and PHYSYS computer system,  
 Western Canadian Universities Deans Association (1982)  
 Workshop on Critiques of Neo-Darwinism, First Meeting of the Society of History,  
 Sociology and Philosophy of Biology (1983)  
 Coevolution, Joint Meeting Society of Systematic Zoology and American Society of  
 Plant Taxonomists (1983)  
 B.C. Parasitologists (1981,1983,1985,1987)  
 Historical Ecology, Willi Hennig Society (1988)  
 Phylogenetic systematics of parasitic helminths in honor of H.W. Stunkard's 100th  
 birthday, American Society of Parasitologists (1989)  
 Advances in the Unified Theory of Evolution (1989)  
 Workshop on Historical Ecology, First Latin American Congress of Ecology (1989)  
 Von Ihering Centenary Symposium, American Society of Parasitologists (1991)  
 Phylogenetics and Evolutionary Processes, Willi Hennig Society (1991)  
 Comparative evolutionary biology of parasite-host systems, European Society of  
 Evolutionary Biology (1993)  
 Parasite Biodiversity, American Society of Parasitologists (1993)  
 Parasite Biodiversity workshop, American Society of Parasitologists (1994)  
 Symposium on Macroscopic Approaches to Evolution, International Congress of  
 Systematic and Evolutionary Biology (1996)  
 Assessing Historical Biogeographic and Coevolutionary Associations: A Workshop,  
 Centre for Comparative Biology & Biodiversity, University of Toronto (1998)

Foundations of Evolutionary Theory: A Colloquium, Centre for Comparative Biology & Biodiversity, University of Toronto (2000)  
 Plenary Symposium 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 biogeography of infectious diseases, International Biogeography Society, Shepherdstown, West Virginia (2005)

### **6. Invited Symposium Lectures:**

Numerical Taxonomy, Society of Systematic Zoology (1977)  
 Parasite Systematics, American Society of Zoologists (1978)  
 Parasite Evolution, Society of Systematic Zoology (1978)  
 Evolution and Allergy, Society for Clinical Ecology (1979)  
 Theoretical Issues in Cladistics, Willi Hennig Society (1980)  
 Biogeography, Willi Hennig Society (1980)  
 Cladistics Methodology Workshop, National Science Foundation (US) (1981)  
 Evolution and Systematics of Parasitic Platyhelminths, International Congress of Parasitology (1982)  
 Current Issues in Biogeography, California State University-Fullerton (1982)  
 Ontogeny and Systematics, Willi Hennig Society (1982)  
 Classification, Society of Systematic Zoology and American Society of Plant Taxonomists (1983)  
 Coevolution, Society of Systematic Zoology (1983), chair  
 Parasites of Reptiles, 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, York University (1984)  
 Evolution and Cladistics, Willi Hennig Society and Linnean Society (1984)  
 Nonequilibrium Thermodynamics and Biology, University of Toronto (1984)  
 Entropy, Information and Evolution, California State University-Fullerton (1985)  
 Parasite Evolution, Plenary Session International Congress of Parasitology (1986)  
 Future of Canadian Parasitology, 25th Anniversary, Canadian Society of Zoologists (1986)  
 Unified Theory of Evolution, Canadian Society of Philosophy (1986)  
 Thermodynamic Models of Evolution, California State University-Fullerton (1986)  
 Understanding Origins Inter-Disciplinary Symposium, Stanford University (1987)  
 Crocodilian Evolution, American Society of Zoologists (1987)  
 Donn E. Rosen Memorial Biogeography Symposium, Society of Systematic Zoology (1987)  
 Historical Ecology, Willi Hennig Society (1988)

Historical Ecology and Evolution of North American Freshwater fishes, American Society of Ichthyologists and Herpetologists (1989)

Biogeography of Neotropical Fishes, American Society of Ichthyologists and Herpetologists (1989)

Flora Malesiana, University of Leiden (1989)

Nature of Biological Theories, International Congress of Systematic and Evolutionary Biology (1990)

Coevolution, AAAS Southwestern Section Meeting (1990), chair

Freshwater adaptations in elasmobranchs honoring Thomas B. Thorson, American Elasmobranch Society (1992)

Second century of parasite collections, American Society of Parasitologists (1992)

Phylogenetic Approaches to Ecology, Natural History Museum and Linnean Society (1992)

Comparative Evolutionary Biology of Parasite-Host Systems, European Society of Evolutionary Biology (1993)

Parasite Biodiversity, American Society of Parasitologists (1993)

Roundtable on Phylogeny, Biodiversity and Parasites, Universidad Nacional Autonoma de Mexico (1994)

Parasite Biodiversity workshop, American Society of Parasitologists (1994)

Comparative Biology Symposium, American Society of Zoologists (1995)

NATO Advanced Workshop on Evolutionary Systems, Konrad Lorenz Institut, Vienna (1995)

Symposium on the Origin and Evolution of Herbivory on Land, VI North American Paleontological Congress (1996)

Symposium on Biodiversity and Zoos, American Association of Zoo Veterinarians (1996)

Symposium on Complex Systems, International Society for Studies in History Philosophy and Social Studies of Biology (1997)

Symposium on Phylogeny and Evolutionary Biology of Trilobites, International Conference on Trilobites (1997)

Conference on Semiotics, Energy and Evolution, 3rd International Semiotics Conference, University of Toronto (1997)

“Blod Badet” Conference, Tovetorp, Sweden (1997)

Symposium on Conservation Priorities for the 21st century, Second International Conference of Zoos Committing to Conservation, Tampa, Florida (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 Badet” Conference, Tovetorp, Sweden (1998)

Development of Life Symposium, University of Uppsala (1999)

Closure Symposium, University of Ghent (1999)

Biodiversity Symposium in honour of 70<sup>th</sup> anniversary of Instituto de Biologia, Universidad Nacional Autonoma de Mexico (1999)

“Blod Badet” 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, Inaugural meeting, International Biogeography Society, Mesquite, Nevada (2003)

Parallel workshop on Biological Complexity, *Complejidad 2004*, Havana, Cuba (2004)

Symposium on the Biogeography of Parasites and Infectious Diseases, International Biogeography Society, Shepherdstown, West Virginia (2005)

Systematics Symposium, AAAS, Washington, D.C. (2005)

Annual Systematics Symposium, Missouri Botanical Garden, St. Louis (2005)

Paleobiogeography Symposium, American Geological Society, Salt Lake City (2005)

Paleobiogeography Symposium, Cambridge University, Cambridge, UK (2006)

Hierarchy Theory in Evolution Symposium, European Science Festival, Genoa, Italy (2006)

## 7. 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 (2003)

Special Plenary Speaker, South African Society of Systematic Biology, Pretoria (2003)

Special Lecture, 11 July, 2003 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 Agri-Biotech Foundation, Ardmore, Oklahoma (2004)

PACT Workshop, UNAM, Mexico City (2005)

Special seminar on occasion of receiving honorary degree, Stockholm University, Stockholm (2005)

FinBioNet 10<sup>th</sup> anniversary presentation, Tampere, Finland (2005)

Invited Roundtable participant, Parallel workshop on Biological Complexity, *Complejidad 2006*, Havana, Cuba (2006)

Invited Roundtable participant, Parallel workshop on Conceptual Issues in Complexity Studies, *Complejidad 2006*, Havana, Cuba (2006)

Stoll-Stunkard Lecture, American Society of Parasitologists and International Congress of Parasitology, Glasgow, Scotland (2006)

### 8. Invited Seminars:

- 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
- 1981 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; 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; US National Museum of Natural History; California State University-Fullerton; University of Connecticut; University of Auckland (NZ); Victoria University of Wellington (NZ); University of Canterbury, Christchurch (NZ); University of Nebraska; University of Kansas
- 1987 Brigham Young University; California State University-Fullerton

- 1988 University of Guelph; Royal Ontario Museum; University of Lethbridge; University of Miami; 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; 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 Biología, Universidad de Costa Rica; Escuela de Microbiología, 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 University of Toronto; Biosystematics Laboratory, Agriculture Canada, Ottawa; York University; American Museum of Natural History; Instituto de Biología, Universidad Nacional Autónoma de México; Centro de Ecología, Universidad Nacional Autónoma de México; Universidad Nacional Autónoma de México Estacion de Biología, Chamela
- 1995 Department of Organismic Biology and Evolution, Harvard 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; Department of Zoology, University of Toronto; Department of Biological Science, California State University-Fullerton; Department of Biological Sciences, Michigan State University
- 1997 Department of Biology, Wake Forest University; Area de Conservacion de Guanacaste, Guanacaste, Costa Rica; Norwegian Institute for Nature Research (NINA); Zoology Museum, Oslo, Norway; Department of Zoology, University of Toronto
- 1998 Trent University; University of Arkansas
- 1999 University of Delaware
- 2000 Emory University
- 2003 Southeastern Louisiana University; University of Venda, South Africa
- 2004 University of Texas-Arlington; Texas A & M University
- 2005 Helsinki University; Turku University
- 2006 University of New Orleans

## 9. Teaching Experience:

- 1980-88 University of British Columbia  
**First-year:** Intro. Biol.-180 students per section  
  
**Fourth-year:** Parasitology- 9-24 students per section; Zoogeography (15% of course)-75-150 students per section; Hist. Philos. Biol., Honours Seminar, Plant Taxonomy (guest lectures); Directed Studies; Honours Thesis  
**Graduate:** Systematics and Evolution; Advanced Parasitology; Graduate Directed Studies
- 1989- University of Toronto  
**First-year:** Organisms in Their Environment-1,500 students in lecture section (12/52 lectures; co-designer; designed phylogenetic lab. exercise); First-year seminar course (Understanding Tropical Biodiversity)- 20 students in course (designed course)  
**Second-year:** Evolution- 75 students (1/3 of course Macroevolution); Introduction to Animal Biodiversity (team leader, co-designed and co-taught with D.A. McLennan); Introduction to Animal Biodiversity (team leader, co-designed and co-taught with D.A. McLennan) – 50 students  
**Third-year:** Introduction to Macroevolution- 60 students (50% of course; co-designed, co-teach course with D.A. McLennan, team leader)  
**Fourth-year:** Advanced Phylogenetic Systematics- 12 students (4 lectures); Topics in Parasitology- 8 students (team leader); Integrated Studies in Macroevolution (designed course)- 4 students; Integrated Studies in Evolution- 8-9 students (1/4 of course); Independent Research- 1-2 students/year  
  
**Graduate:** Evolution (Macroevolution portion); Phylogenetic Systematics (Coevolution and Biogeography lectures); Topics in Evolutionary Biology; Topics in Development and Evolution; Species and Speciation; Foundations of Phylogenetics
- Other Teaching Experience (43):**
- 1980-85 -Aquavet Program, Marine Biological Laboratory, Woods Hole, Massachusetts (Marine Parasitology to Veterinary students)
- 1980 -Short Course in Phylogenetic Systematics, U.S. National Museum of Natural History, Smithsonian Institution  
 -Short Course in Phylogenetic Systematics, Beltsville Agricultural Research Center, U. S. Department of Agriculture
- 1983 -Graduate Seminar in Historical Ecology, Museum of Zoology, University of Michigan

- 1986 -Lecture series in biogeography and phylogenetics, University of Auckland (NZ)  
 -Graduate seminar courses in phylogenetics and evolutionary biology, University of Canterbury, Christchurch (NZ)  
 -Short Course on phylogenetics and macroevolution, U.S. National Museum of Natural History, Smithsonian Institution
- 1987 -Nordic Council of Ecology Graduate Short Course, Tovetorp Ethology Station, Tovetorp, Sweden
- 1988 -Graduate Short Course in Historical Ecology, University of Miami
- 1989 -Short Course in Phylogenetic Systematics, Brazilian Academy of Sciences, Brazilian Society of Biology and Brazilian Society of Ichthyology  
 -Short Course in Historical Ecology, First Latinamerican Congress of Ecology, Montevideo, Uruguay
- 1991 -Workshop on historical ecology, California State University-Fullerton
- 1992 -Summer Graduate Ecology course, Kellogg Biological Station, Michigan State University
- 1993 -Phylogenetics laboratory demonstration, Association of Biology Laboratory Educators (ABLE), Toronto  
 -Mini-course in parasite evolutionary biology, Universidad de la Republica, Montevideo, Uruguay
- 1994 -Mini-course in parasite evolutionary biology, Universidad Nacional Autónoma de México, Mexico City, Mexico
- 1996 -Parataxonomist Training Course, Area de Conservacion Guanacaste, Costa Rica  
 -Workshop in phylogenetic systematics and historical ecology, Rhodes University, Grahamstown, South Africa  
 -Geology Honours Class tutorial on phylogenetics, Rhodes University, Grahamstown, South Africa  
 -Zoology & Entomology Honours class tutorial on evolutionary theory, Rhodes University, Grahamstown, South Africa  
 -Zoology & Entomology Honours class tutorial on sustainable development, University of Orange Free State, Bloemfontein, South Africa  
 -Workshop in phylogenetic systematics and historical ecology, National Museum, Bloemfontein, South Africa  
 -Workshop in phylogenetic systematics and historical ecology, Bernard Price Institute of Paleontology, Johannesburg, South Africa  
 -Biodiversity Course, Phylogenetics section, Ottawa, Canada  
 -Advanced Evolution Course, University of Stockholm, Sweden
- 1997 -Graduate Mentor, Graduate Mentor Program, Wake Forest University  
 -Parataxonomist Training, Area de Conservacion Guanacaste, Costa Rica  
 -Advanced Evolution Course, University of Stockholm, Sweden
- 1998 -Parataxonomist Training, Area de Conservacion Guanacaste, Costa Rica  
 -Advanced Evolution Course University of Stockholm, Sweden

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-Advanced Evolution Course University of Stockholm, Sweden
- 2001 -Parataxonomist Training, Area de Conservacion Guanacaste, Costa Rica  
-Advanced Evolution Course University of Stockholm, Sweden
- 2002 -Parataxonomist Training, Area de Conservacion Guanacaste, Costa Rica  
-Advanced Evolution Course University of Stockholm, Sweden
- 2003 -Parataxonomist Training, Area de Conservacion Guanacaste, Costa Rica  
-Advanced Evolution Course University of Stockholm, Sweden
- 2004 -Parataxonomist Training, Area de Conservacion Guanacaste, Costa Rica  
-Advanced Evolution Course University of Stockholm, Sweden
- 2005 -Organizer and speaker, Workshop on Historical Biogeography  
International Biogeography Society, Shepherdstown, West Virginia  
-Parataxonomist Training, Area de Conservacion Guanacaste, Costa Rica  
-Advanced Evolution Course University of Stockholm, Sweden  
-Complexity short course, Havan
- 2006 -Advanced Evolution Course, University of Stockholm, Sweden

## 10. Undergraduate and Graduate Training:

### Undergraduates:

>20 Directed Studies students resulting in >15 published papers (UBC and UT); 1 Honours Student (UBC)

### Graduates (with completion dates):

M.Sc. Students- D. Glen (1984); S. Bandoni (1985); C. Macdonald (1986);  
J. Carney (1991); B. Rannala (1991)

Ph.D. Students- R. O'Grady (1987); S. Monks (1998); F. Marques (1999); David Zamparo (current)

Member of Research Committees: 4 M.Sc. and 2 Ph.D. students (UBC); >50 Ph.D. and M.Sc. students (U of T);

Adjunct member of doctoral committee: Dra. Virginia Leon-Regagnon (UNAM, Mexico City, 1993-6); Dr. Steven Brewer (Western Michigan University, 1995-6)

### Post-Doctoral Fellows (with current faculty position and dates of pdf tenure):

Dr. Gerardo Perez Ponce de Leon, Universidad Autonoma de Mexico (1993)

Dra. Virginia Leon-Regagnon, Universidad Autonoma de Mexico (1996-8)

Dr. Anindo Choudhury, St. Norbert's College, (1997-9)

Dr. Luping Zhang, Hebei University (2002-2003)

Dr. Katherine Jackson (2003-5) [currently interviewing for positions at the University of Toronto and University of Alberta]

Dr. Peter Watts, (2005-), NSERC Microgenomics Network pdf

**11. Service:****Departmental:**

(UBC): Committees: Graduate Admissions, Departmental Retreat, Future Goals and Direction, Computing Use; Undergraduate Adviser  
 (UT): Committees: Executive, Research (chair, 1990-1), Graduate Affairs, Senior Promotion and Tenure, Laboratory of Molecular Systematics, Computer Technologies; NSERC Univ. Res. Fellow Search; CIAR Assessment; Evolutionary Biology Graduate Program; Seminar; Ecology faculty search; Undergraduate evolutionary biology and First-year Biology curriculum development; Committee on future of evolutionary biology (chair); Graduate students grantsmanship presentation

**College:**

(UT) University College: Member, committee on UC activities (1994-5), committee on Scholarships & Bursaries (1995-6); Speaker, 1994 UC symposium

**University:**

(UBC): Faculty of Science Representative to Faculty of Agricultural Sciences  
 (UT): Senate Doctoral Examinations; School of Graduate Studies Degree Committee; Arts and Science Research Initiatives Committee; Arts and Science Undergraduate Education Advisory Committee; U of T Academic Forum between universities of Rio de Janeiro State and Ontario; U of T Forum between science faculty and science journalists; Jury Pool, University Tribunal; Tenure committee, Department of Anthropology

**Editorial:**

**Associate Editor:** past-*Systematic Zoology*, *Memorias do Instituto Oswaldo Cruz Comparative Parasitology*

**Editorial Boards:** *Zoologica Scripta*; *Anales del Instituto de Biología, Universidad Nacional Autónoma de México*; Smithsonian Institution University Press. past- *Journal of Parasitology*, *Canadian Journal of Zoology*; *Semiotics Review of Books*; *Journal of the Helminthological Society of Washington, D.C* *Semiotics Review of Books*, *Zoologica Scripta (Norway)* past-*Journal of Parasitology*, *Canadian Journal of Zoology*, *Memorias do Instituto Oswaldo Cruz (Brasil)*

**Peer Reviewer:** *Acta Biologia 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*, *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*, *Diversity and Distributions*, *Ecography*, *Ecological Modeling*, *Ecology*, *Ethology*, *Ecology and Evolution*, *Ecoscience*,

*Evolution, Evolutionary Biology, Fishery Bulletin, Functional Ecology, Global Biogeography and Ecology, 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 Biogeography, Journal of Biosciences, Journal of Evolutionary Biology, 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, Palaeogeography, Palaeoclimatology, Palaeoecology, 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, Zoosystema, Zoologica Scripta*

**Press consultant:** Univ. Chicago Press; MIT Press; Sinauer Associates; John Wiley & Sons; Mosby; Freeman; Johns Hopkins Univ. Press; Elsevier.

**Other Professional Service:**

**Committees in Professional Societies:** Education, Trends and Priorities in Parasitology, Awards (chair, 1991), Nominating, Biodiversity (chair, 1992- ), Special Events: American Society of Parasitologists

**External thesis examiner:** Simon Fraser University, Canada; University of Victoria, Canada; Leiden University, Netherlands; University of Manchester, U.K.

**Member, search committee:** Royal Ontario Museum

**External Member, Research Advisory Committee:** Canadian Museum of Nature (1993-2000), Royal Ontario Museum (2000-2002)

**Granting Agencies:** Natural Sciences and Engineering Research Council (CANADA) (peer review); National Science Foundation (US) (peer review; Panel member, surveys and inventories program, 1991, 2000; systematic biology panel, 1991; site visit, Systematic Biology Training Program, University of Arizona, 1991); Ecology and Systematic Biology Programs; Doctoral Fellowship Program); National Research Council (US) (peer review, office of international programmes); Natural Environment Research Council (UK), National Research Council (Australia); Foundation for Biological Research, Netherlands Organization for Scientific Research; Belgium Organization for Scientific Research; Sectorial de Investigacion Cientifica de la Universidad de la Republica, Montevideo, Uruguay Smithsonian Institution Fellowships and Grants; US-Israel Binational Science Foundation



**Public Service:**

**Invited attendee:** “The Quest for Sustainable Development”, Smithsonian Institution and Embassy of Costa Rica (1994)

**Organizer:** Project "Free Flow", donating scientific literature and textbooks to universities in Latin America

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

**Public Lecturer:** Vancouver Public Aquarium Parasites and Diseases of Aquarium Fishes; UBC Centre for Continuing Education; Second Annual "Teaching OAC Biology" Workshop; Eco-tourism, U of T Day; Royal Canadian Institute; Science Museum of Virginia; Saturday Morning Seminars, Faculty of Arts & Science, University of Toronto; Thomas A. Blakelock High School, Oakville, Ontario; Learning Unlimited (Univ. Toronto Alumni); Brodie Naturalists Club; ‘Philosophy on Bay’ group.

**Newspaper, Magazine, Book Features:** *Science Times-New York Times*; *Globe and Mail* (Toronto); *El Nacion* (Costa Rica); *El Comercio* (Peru); *Mundo No. 21* (US); *Der Spiegel* (Germany); *China News*; Curitiba, Brasil daily (1993-*Parascript*). *University of Toronto Bulletin* (1995); *University of Toronto Magazine* (1996-Feature on Costa Rican ATBI); *National Geographic* article on parasitism (featured scientist) (1997); *Audubon* article on inventory work in Costa Rica (2000); *Parasite Rex* some of my work is featured in the book (2000); *University of Toronto Magazine* (part of feature on 150<sup>th</sup> anniversary of Zoology Department) (2003)

**Radio Interviews:** *Science Journal* CJRT-FM Toronto (1989-new ideas in evolution; 1990-AMES Group conference summary; 1993-Evolution of Neotropical Freshwater Stingrays; 1994-Costa Rican All-Taxa Biodiversity Inventory; 1996- 2-part series on Biodiversity based economic development); Radio Canada International (1995- Costa Rican ATBI); CBC Radio "Metro Morning" (1996-ATBI Training Course); CBC Radio "Morningside" (1996-ATBI Training Course); SABC Radio Johannesburg (Biodiversity -1996); CBC Radio “Quirks and Quarks” (Valuing Biodiversity, 1997); Radio Netherlands program on Science & Religion (2000); CBC Radio “Quirks & Quarks” (2004); NPR Earthwatch Radio spots on biodiversity and emerging infectious disease (2005)

**Television:** CJRT Infomercial *Towards 2000* (Systematics Agenda 2000) (1995); '@Discovery.ca' Discovery Channel spot on Darwin's birthday and publication of Origin of Species (1995); '@Discovery.ca' Discovery Channel interview on ATBI Training Course (1996); TVO education program for elementary school teachers on biodiversity (1996); *Mission: Earth* episode on Costa Rica (filmed June 1996; aired Jan. 1998); *In Theory* episode on '@Discovery.ca' Discovery Channel about Evolutionary Theory (2000); '@Discovery.ca' Discovery Channel interview on West Nile Virus in Costa Rican birds (2003)

**Public Activism:** Scientific consultant for local citizens groups in dispute with Toronto Municipal government over a proposal to construct a skateboard facility on the margins of a conserved recovering wetlands park. Also prepared text and photographs for an informational brochure for the park.

## 12. Field Studies

**1. Anglo-America:** Nebraska (1973-5, 1990-2, 1997), Louisiana, Mississippi, Florida (1975-8), Indiana (1979); British Columbia (1980-88); Montana, Idaho, California (1983-4); Ontario (1990-3); Texas (1995); Louisiana (1997); Arkansas, Kansas (1998); Nebraska, Wisconsin, Michigan, New York (2000); North Carolina and West Virginia (2002); Louisiana and South Carolina (2003)

**2. Latin America:** Colombia (1975-6), Venezuela (1978), Mexico (1984, 1994), Brazil (1989), Costa Rica (annually since 1992), Uruguay (1993), Ecuador (1993)

**3. Africa:** Nigeria (1982), South Africa (1996, 2003)

## 13. Funded Research Awards (Amounts are Direct Costs in Canadian Dollars):

1976	Southern Region Educational Board Graduate Student Travel Grant
1977	Sigma Xi Graduate Student Travel Grant
1980	Natural and Health Sciences (NAHS) (UBC) Set-up grant (\$5,000) UBC-Natural Sciences and Engineering Research Council (NSERC) Equipment grant (\$12,000)
1981	NAHS Set-up grant (\$2,800) UBC-NSERC Equipment grant (\$3,000)
1981-3	NSERC Operating Grant (\$26,480)
1982	NAHS grant (\$5,000)
1984-6	NSERC Operating Grant (\$45,000)
1984	UBC-NSERC Equipment grant (\$9,038)
1987-9	NSERC Operating Grant (\$90,000)
1988-9	U of T New Faculty set-up funds (\$32,000)
1990-3	NSERC Operating Grant (\$141,000)
1991	NSERC Equipment Grant (\$24,774)
1994-2000	NSERC Operating Grant (\$392,230)
1996	NSERC Equipment Grant (\$24,998)
1998	U of T Dean of Arts & Science Imaging System for teaching (\$10,000)

2000-5	NSERC Operating Grant (\$397,500)
2002	NSERC Equipment Grant 2002 (EM Suite upgrades), with Tepass, Varmusa, Desser, Godt, Ringuette, Rowe, Tobe, Winklbauer (\$36,000)
2005-6	Private Donor Fund to Train and Employ Parataxonomist (\$50,000)
2005-10	NSERC Discovery Grant (\$225,000)
2005-10	NSERC Resarch network Grant (Bar Code of Life Canada Microgenomics Network ) (\$300,000)

#### 14. 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 chelydrae* (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: Microscoaphidiidae) 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: Telorchiidae) 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: Tetraphyllidae) from *Narcine brasiliensis* (Olfers) in Colombia. *J. Parasitol.* 64: 617-619.

31. Brooks, D.R. 1978. Evolutionary history of the cestode order Proteocephalida. *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 crocodylians. *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 crocodylians. *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. Two species of *Echinocephalus* (Nematoda: Gnathostomidae) from Neotropical stingrays. *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.
61. Wolke, R.E., D.R. Brooks and A. George. 1982. Spirorchidiasis in loggerhead sea turtles (*Caretta caretta*): Pathology. *J. Wildl. Dis. Assoc.* 18: 175-185.
62. Wiley, E.O. and D.R. Brooks. 1982. Victims of history- A nonequilibrium approach to evolution. *Syst. Zool.* 31: 1-24.
63. Brooks, D.R. and J.N. Caira. 1982. *Atrophecaecum lobacetabulare* sp. n. (Digenea: Cryptogonimidae: Acanthostominae) with discussion of the generic status of *Paracanthostomum* Fischthal and Kuntz, 1965 and *Ateuchocephala* Coil and Kuntz, 1960. *Proc. Biol. Soc. Wash.* 95: 223-231.
64. Brooks, D.R. and J.R. Coggins. 1983. *Limatulum mcdanieli* sp. n. (Digenea: Lecithodendriidae) from *Myotis lucifugus* LeConte (Mammalia: Chiroptera) in Wisconsin. *Trans. Amer. Micros. Soc.* 102: 81-83.
65. Wiley, E.O. and D.R. Brooks. 1983. Nonequilibrium thermodynamics and evolution: A response to Løvtrup. *Syst. Zool.* 32: 209-219.
66. Brooks, D.R., P.H. LeBlond and D.D. Cumming. 1984. Information and entropy in a simple evolution model. *J. Theor. Biol.* 109: 77-93.
67. Brooks, D.R. 1984. What's going on in evolution?: A brief guide to some new ideas in evolutionary theory. *Can. J. Zool.* 61: 2637-2645.

68. Brooks, D.R., R.T. O'Grady and D.R. Glen. 1985. The phylogeny of the Cercomeria Brooks, 1982 (Platyhelminthes). *Proc. Helminthol. Soc. Wash.* 52: 1-20.
69. Brooks, D.R. and G. Rasmussen. 1985. Proteocephalid cestodes from Venezuelan catfish, with a new classification of the Monticelliidae. *Proc. Biol. Soc. Wash.* 97: 748-760.
70. Brooks, D.R., R.T. O'Grady and D.R. Glen. 1985. Phylogenetic analysis of the Digenea (Platyhelminthes: Cercomeria) with comments on their adaptive radiation. *Can. J. Zool.* 63: 411-443.
71. Brooks, D.R. and E.O. Wiley. 1985. Ontogeny, systematics and evolution. *Cladistics* 1: 1-11.
72. Glen, D.R. and D.R. Brooks. 1985. Phylogenetic relationships of some strongylate nematodes of primates. *Proc. Helminthol. Soc. Wash.* 52: 227-236.
73. Buckner, R.L., M.W. Denner, D.R. Brooks, and S.C. Buckner. 1985. Parasitic endohelminths from fishes of southern Indiana. *Proc. Indiana Acad. Sci.* 94: 615-620.
74. Brooks, D.R. and E.O. Wiley. 1985. Entropy and evolution- responses to Bookstein and Wicken. *Syst. Zool.* 34: 89-97.
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