

DONALD P. SCHWERT
Professor of Geology
Director, NDSU Center for Science & Mathematics Education

OFFICES:

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FAMILY: Married to M. Charlene Schwert, daughter Erin

EDUCATION:

Ph.D. (Earth Sciences)	University of Waterloo (Canada), May, 1978
M.S. (Zoology)	SUNY College of Environmental Science and Forestry at Syracuse University, May, 1975
B.S. (Biology/Chemistry)	Allegheny College, June, 1972

POSITIONS:

2004 -	Program Coordinator, North Dakota IDeA Network for Biomedical Research Excellence (ND-INBRE) (an NIH infrastructure initiative)
2001 - 2004	Core Director, Tribal College / Baccalaureate Science Program, ND Biomedical Research Infrastructure Network (ND-BRIN) (funded by NIH)
2001 -	Associate Faculty, NDSU School of Education
2000 -	Director, Center for Science & Mathematics Education, North Dakota State University
1999 -	Director, M.Ed. (Science Education) Program North Dakota State University

1992 -	Professor, Geosciences Department, North Dakota State University
1986 - 1991	Associate Professor, Geosciences Department, North Dakota State University
1982 - 1986	Assistant Professor, Geology Department, North Dakota State University
1978 - 1982	Visiting Assistant Professor, Geology Department, North Dakota State University
1978	Postdoctoral Fellow, Department of Earth Sciences, University of Waterloo

ADDITIONAL EDUCATION:

1999	Institute for Management of Distance Education
1988	Univ. Nevada Reno: Volcanology and Mineral Deposits
1980 - 1981	N.S.F. Chautauqua Course: Remote Sensing
1973	Ohio State University, Acarology Institute

COURSES TAUGHT:

Physical geology, geomorphology, structural geology, environmental (engineering) geology, glacial geology, week-long field courses in regional geology (Lake Superior, North Dakota, Black Hills, Colorado, Death Valley, Utah, Washington/Idaho, Hawaii).

PROFESSIONAL AWARDS:

2005	“Faculty Lectureship Award,” (university-wide), NDSU.
2001	“Peltier Award for Innovation in Teaching,” (university-wide), NDSU.
1998	“Distinguished Service Award” (as coordinator of Fargo Flood emergency web site project; shared), NDSU College of Science and Mathematics.
1998	“Education Award” (as coordinator of Fargo Flood emergency web site project; shared); Fargo-Moorhead River-Keeper.
1997	“Outstanding Teacher Award,” NDSU College of Science and Mathematics.
1992	“Odney Award for Excellence in Teaching,” (university-wide), North Dakota State University.
1991	“Friend of Science Education Award,” North Dakota Science Teachers Association.
1989	“Sigma Xi Award for Outstanding Research” (shared with A.C. Ashworth).
1986	“Outstanding Paper of the Year – 1985,” <u>Coleopterists Bulletin</u> . (co-authored with A.C. Ashworth).
1978	“W.B. Pearson Medal” (for the “outstanding thesis in the sciences,” University of Waterloo).

PUBLIC SERVICE:

Frequent talks on aspects of regional geology and accompanying land use issues to K-12 schools, service organizations, and government agencies.

Numerous interviews with regional media (radio, television, newspaper, etc.).

Network media involvement (includes appearances on Discovery Channel [“Flood of the

Century”] and the Weather Channel [“Storm Stories”]).

Extensive work with national and international news media during the 1997 Red River flood (interviews with and background information for NBC News, Reuters, Associated Press, Canadian Broadcasting Company, Philadelphia Inquirer, Boston Globe, others).

Workshops and question/answer sessions for on-campus visitors (rock/fossil identification, etc.)

Judging and administrative service for regional and statewide science and mathematics events and competitions.

Site analyses involving hazardous geologic conditions (as uncompensated service to homeowners, government agencies, etc., seeking mitigation of problematic issues).

Development and maintenance of several comprehensive internet sites for geo-education and outreach.

Public source and contact for information on regional geology and geologic history.

WORLDWIDE WEB (WWW) ACTIVITIES:

Public Outreach:

Fargo Geology Web Site (www.ndsu.edu/fargo_geology). Webmaster. Coordination, content, and design for a comprehensive urban geology web site. 2000 -

North Dakota Topographic maps (www.ndsu.edu/nd_geology/topomaps). Interface for topographic acquirement. 2001 -

North Dakota Science Teachers Association (www.ndsta.k12.nd.us/). Webmaster. Coordination and design of this K-12 outreach web site. 2000 -

North Dakota State Science Fair (www.sendit.nodak.edu/science_fair/). Webmaster. Coordination and design of this K-12 outreach web site. 2000 –

NDSU Center for Science and Mathematics Education (www.ndsu.edu/csme). Webmaster. Coordination and design of a site providing K-12 outreach and professional development opportunities. 1998 -

3D Anaglyph Homepage (www.ndsu.edu/instruct/schwert/anaglyph/). Popular page providing information behind 3D anaglyph technologies in the classroom. 1999 -

3D North Dakota (www.ndsu.edu/ndsu/nd_geology/anaglyph/3D_ND.htm). Anaglyph maps and images of North Dakota, with explanatory texts. 1998 -

Fargo Flood Web Site (www.ndsu.edu/fargoflood). Webmaster. Coordination and design of the primary public flood information web site for the F-M region. 1997 -

Geology in North Dakota (www.ndsu.edu/nd_geology). The primary www source for information on the geology and hydrogeology of North Dakota. 1996 -

North Dakota Science Olympiad (www.ndsu.edu/olympiad). Site design and webmastering for statewide Science Olympiad organization. 1998 -

Stockwood Fill (www.ndsu.edu/instruct/schwert/stockwd/stockwd.htm). A photo-essay on the engineering problems associated with the construction of the railroad grade east of Glyndon, Minnesota. 1996 -

Instruction:

Geology 105 (www.ndsu.edu/instruct/schwert/geosci/g105). Fully-integrated web site for NDSU Physical Geology. Widely-linked nationwide. 1996 – 2000, and as needed.

Geology 300 (www.ndsu.edu/instruct/schwert/geosci/g300). Web support for NDSU Environmental Geology. 2005 -

Geology 301 (www.ndsu.edu/instruct/schwert/geosci/g301/). Course support for NDSU Lake Superior field course. 1996 -

Geology 302 (www.ndsu.edu/instruct/schwert/geosci/g302/). Course support for NDSU Black Hills field course. 1996 -

Geology 412/612 (www.ndsu.edu/instruct/schwert/geosci/g412). Course support for NDSU Geomorphology. 1997 -

Geology 413/613 (www.ndsu.edu/instruct/schwert/geosci/g413). Web support for NDSU Glacial Geology. 1998 -

Geology 457 (www.ndsu.edu/instruct/schwert/geosci/g457). Web support for NDSU Structural Geology. 1996 -

Geology 496 (www.ndsu.edu/instruct/schwert/geosci/g496_columbia_plateau/). Course page for Channeled Scablands (Washington, Idaho) Field Course. 1998 -

Geology 496 (www.ndsu.edu/instruct/schwert/geosci/g496_death_valley/). Course page for Death Valley Field Course. 1999 -

NDSU Service and Research:

NSF GraSUS Homepage (www.ndsu.edu/grasus/). Design and maintenance for a project centered on improving 7-12 science and mathematics preparation through the work of NDSU graduate students and faculty. 2001 -

NDSU Geosciences Home Page (www.ndsu.edu/geosci/). Design and maintenance for the Department of Geosciences Home Page. 1997 -

NDSU Geosciences Alumni Page (www.ndsu.edu/ndsu/geosciences/geoalumni.shtml). Photos, e-mail links, and news of the department's alumni. 1996 -

NDSU Geosciences Field Trip Page (www.ndsu.edu/ndsu/geosciences/fieldidx.shtml). Historical photos of NDSU geology field trips. 1996 -

NDSU Geosciences Student Page (www.ndsu.edu/geosci/students.htm). A photo directory with links to e-mail and home pages, in service to our students. 1996 -

NDSU Quaternary Entomology Laboratory (www.ndsu.edu/instruct/schwert/qel/qel.htm). Resources and information on NDSU Geosciences' Quaternary studies. 1996 -

NSF CoMSTeP Homepage (www.ndsu.edu/csme/comstep/). Design and maintenance for a web site servicing an institutional collaborative for recruiting K-12 science and mathematics teachers. 1999 - 2004.

COMMITTEE SERVICE

State:

North Dakota Science Olympiad State Co-Director: 2000 –

ND Science Teachers Association/Minnesota Science Teachers Association Joint Meeting Board: 2004 –

NDUS College Prep Curriculum Review: 2001 - 02

N.D. Governor's Task Force on Global Change: 1990 - 91

N.D. Governor's Task Force on the N.D. Geological Survey: 1988 - 89

University:

University Promotion, Tenure, & Evaluation Committee: 2005 –
NDSU NSF GraSUS Leadership Team: 2001 –
Faculty Mentor: 1998 –
World Wide Web Instructional Committee: 1996 –
Commencement Marshall: 1998 –
Accenture Scholarship: 2001
Teacher Ed Council: 2000 - 01
Academic Standards: 1998 - 2000
Senate Special Committee on Technology-Enhanced Learning: 1998 - 99 (Chair)
Senate Technology-Enhanced Learning: 1999 - 2001
NDSU NSF Comstep Leadership Team: 1998 - 2003
Academic Integrity: 1992 - 95 (Chair, 1994 - 95)
University Senate Special Committee on Technology-Enhance Learning: 1998 - 99 (Chair)
Information Technology Roundtable: 1996 - 2001
University Y2K Committee: 1998 - 2000
ITR Technology Visioning: 2000 - 01
ITR Working on the Web Subcommittee: 1996 - 97
ITR Distance Education Subcommittee: 1997 - 99
Inaugural Celebration Committee: 1995 - 96
Faculty Development Committee: 1995- 96
Odney Excellence in Teaching Award: 1992 - 98 (Chair, 1994 - 95)
Faculty Lectureship Award: 1984 - 86
University Senate: 1983 - 86
Senate Special Review: 1994 (Chair)
Soil Science Graduate Program Review: 1991 - 92, 1995
Cellular and Molecular Biology Graduate Program Review: 1993 - 94
Library Search: 1993
Computer Planning and Goals: 1989 - 93
Public Events and University Relations: 1983 - 86

College:

Nominations and Awards: 2004 -
Student Progress: 1978- (Chair, 1995 - 2000)
Promotion, Tenure, and Evaluation: 1993 - 95 (Chair, 1994 - 95); 2000 - 02
Deanship Search Committee: 1998 - 99; 1999 - 2000; 2001 - 02
Dean's Review: 1994 - 95
Dean' s Advisory Board: 1998 - 2001
Facilities and Instruments: 1982 - 84
Stevens Hall Honors Day: 1984 - 94

Department / Other:

North Dakota State Science Fair Local Committee: 2000 - 01, 2003 - 04
Upper Midwest Aerospace Consortium (UMAC) EdPARC State Coordinator: 1999 - 2002

Minnesota State University-Moorhead Regional Science Center Advisory Board: 1988 - 92
Northland Educators Federal Credit Union Board: 1988 - 94
North Dakota EPSCoR ROA Review: 1994
College of Business Outstanding Teaching Award Committee: 1995 - 96
Acting Chair: March-August, 1988, November-January: 1995 - 96
Geography Search: 1991 (Chair), 1999 - 2000, 2000 - 01, 2003 - 04
Geology Search: 1993, 2002 - 03

PROFESSIONAL MEMBERSHIPS:

Geological Society of America (GSA)
National Science Teachers Association (NSTA)
National Association of Research in Science Teaching (NARST)
American Quaternary Association (AMQUA)
Coleopterists Society
North Dakota Academy of Sciences
North Dakota Mathematics & Science Alliance

PERSONAL INTERESTS:

Gardening, hiking, piano, insect collecting, genealogy (*schwertfamily.net*), and “playing geologist” wherever I travel.

RESEARCH INTERESTS:

Development and assessment of virtual worlds for earth science education; Quaternary insect fossils and their application to systematics, paleoecology, climate change, and biogeographic history of North American insects; Quaternary stratigraphy and paleontology of midcontinental North America; land use issues in the Red River Valley associated with geotechnical conditions.

GRADUATE STUDENT SUPERVISION:

Major advisor:

Ackerman (M.Ed., Science Education, current)
Alderman (M.Ed., Science Education, defended 8/16/00)
Antonelli (M.Ed., Science Education, defended 7/19/01)
Drenckhahn (M.Ed., Science Education, current)
Duffy (M.Ed., Science Education, current)
Durand (M.Ed., Science Education, current)
Fauske (major advisor upon death of E. Balsbaugh) (Ph.D., Entomology, defended)
Fletcher (M.Ed., Science Education, current)
Forness (M.Ed., Science Education, defended 8/15/00)
Gardner (M.S., General Science, defended 5/24/01)
Gentry (M.Ed., Science Education, defended 11/1/04)
Healey (M.Ed., Science Education, defended 12/16/03)
Hope (M.Ed., Science Education, current)
Klaman (M.Ed., Science Education, current)
Messick (M.Ed., Science Education, current)

Nelson (M.Ed., Science Education, defended 7/9/01)
Olson (M.Ed., Science Education, defended 7/18/01)
Rieder (M.Ed., Science Education, defended 7/7/00)
Scherbenske (M.Ed., Science Education, current)
Spitzer (M.Ed., Science Education, current)
Tank (M.Ed., Science Education, defended 9/22/03)
Tastad (M.Ed., Science Education, defended 7/17/03)
Trumbauer (M.Ed., Science Education, defended 7/17/00)
Weigum (M.Ed., Science Education, current)
Williamson (M.Ed., Science Education, current)

Graduate Committee Membership:

Arndt (Ph.D., Soil Science, defended)
Antonelli (M.Ed. Science Education, defended)
Bagzahli (M.S., Mathematics, defended 7/25/01)
Becklund (Ph.D., Agricultural Economics/Natural Resources Management, current)
Borge (M.S., Natural Resources Management, defended)
Christianson (M. Ed. Science Education, defended 4/15/99)
Cong (Ph.D., Zoology, defended)
Cudworth (M.S., Soil Science, defended)
Coyle (M.Ed. Science Education, defended 7/16/99)
Cuthrell (M.S. Entomology, defended)
Eldredge-Sandbo (M.Ed., Science Education, defended 8/16/01)
Gauthier (M.S., Chemistry, defended)
Gelin (Ph.D., Plant Sciences, defended 12/4/02)
Grier (M.S., Soil Science, defended 4/28/00)
Harris (M.Ed., Science Education defended 7/14/00)
Hart (M.S., Zoology, defended)
Haugrud (M.S., Computer Science, defended 8/21/97)
Henderson (M.S., Soil Science, defended 11/91)
Herrera (M.S., Soil Science, defended)
Hertel (M.Ed., Science Education, defended 7/19/99)
Hoard (Ph.D., Entomology, defended)
Inyang (M.S., Civil Engineering, defended)
Jacobson (M.Ed., Science Education, defended 7/13/99)
Jundt (M.S., Zoology defended 2/25/00)
Keller (M.Ed., Science Education, defended 7/18/00)
Krashennik, Nadejda (Ph.D., Plant Sciences, current)
Lahti (M.Ed., Science Education, current)
Marty (M.Ed., Science Education, defended 7/9/01)
Nelson (M.Ed., Science Education, defended)
Rahman (M.S., Computer Science, defended 8/20/04)
Richardson (M.Ed., Educational Leadership, defended 12/8/00)
Rosenfield (Ph.D., Zoology, defended)

Seelig (Ph.D., Soil Science, defended)
 Soukup (Ph.D., Soil Science, defended)
 Stigaard (M.Ed., Counselor Education, defended)
 Tinerella (M.S., Entomology, defended 4/25/00)
 Toepke (M.Ed., Science Education, defended 7/6/00)
 Toepke-Peterson (Ph.D., Soil Science, defended 1/13/05)
 Wang (M.S., Computer Science, defended 2/25/99)
 Welke (M.Ed., Science Education, defended 4/17/03)
 Ye (Computer Sciences, defended 1/21/00)

GRANTS AWARDED / IN REVIEW:

In review National Institutes of Health (NIGMS): North Dakota bridges to the baccalaureate (Co-PI). \$593,320. 3 years. (Submitted November 11, 2004).

In review National Science Foundation (ESI-IMD Program): Instructional materials for teaching science through virtual environments (Co-PI). \$1,077,645. 3 years. (Submitted August 26, 2004).

2004 National Institutes of Health, NCRR, IDeA Network for Biomedical Research Excellence (INBRE): Health and the Environment. Grant #2 P20 RR016471-04, John Shabb, University of North Dakota, PI. Donald Schwert, Program Coordinator (statewide) and PI, NDSU subcontract of \$2,611,416. 5 years. (August 4, 2004 – June 30, 2009).

2004 National Science Foundation DGE-0338128: Graduate student-university-school collaborative for science, engineering, and technology. (Co-PI). \$2,000,000. 5 years. (June 1, 2004 – May 31, 2009).

2004 National Science Foundation SBIR-STTR, DMI-0339377, WoWiWe Instruction Company, subcontract to NDSU. (Co-PI). \$24,630. 6 months. (January 1 – June 30, 2004).

2002 North Dakota University System: North Dakota master science teacher project (ND-MSTEP). Project #03/2. (PI). \$219,552. 3 years. (Oct. 15, 2002 – June 30, 2006).

2001 National Institutes of Health Biomedical Infrastructure Network (BRIN) 1 P20 RR16471-01: Building biomedical research in North Dakota. John Shabb, PI. Donald Schwert, ND-BRIN Tribal College Baccalaureate Science Core Director, 25% effort (12-month basis). \$241,110. 3 years. (Sept. 1, 2001 – Aug. 31, 2004).

2001 North Dakota University System: North Dakota master science teacher project (ND-MSTEP) Project #02-3. (PI). \$48,893. 1 year.

2001 North Dakota University System: ND MSA new teacher support program. (Co-PI). \$51,024. 1 year (Nov. 1, 2001 – June 30, 2003).

2001 U.S. Department of Education, Fund for the Improvement of Post-Secondary Education (FIPSE) P116B01-1528: A virtual world to train future earth scientists. (PI). \$270,203. 3 years. (Oct. 1, 2001 – Sept. 30, 2004).

2001 North Dakota State University Technology Action Plan: A technological means to facilitate active learning in the classroom. (Co-PI). \$21,320. (May 14, 2001 – May 17, 2002).

2001 National Science Foundation DGE-0086445: Graduate student-university-school collaborative for science, engineering, and technology. (Co-PI). \$971,555. 3 years. (March 1, 2001 – Feb. 28, 2004).

2000 North Dakota University System: ND master science teacher project (ND-MSTEP). (PI).

- \$28,357. 1 year.
- 2000 National Science Foundation EIA-0086142: Systems for learning science and assessing student learning. (Co-PI). \$1,940,000. 5 years. (Sept. 1, 2000 - Aug. 31, 2005).
- 2000 National Science Foundation DUE-998104: New directions in virtual geoscience education. (Co-PI). \$74,192. 2 years. (April 1, 2000 - Feb. 28, 2002).
- 2000 NASA/UND/Univ. Wyoming: A regional earth science applications center for the Northern Great Plains. (ND PI). \$33,000.
- 2000 NASA/UND/Univ. Wyoming: PARC services for K-12. (ND PI). \$5,000.
- 2000 NASA/UND/Univ. Wyoming: GIS training of North Dakota teachers. (ND PI). \$9,000.
- 2000 North Dakota University System: ND master science teacher project (ND-MSTEP). (PI). \$29,360
- 2000 North Dakota University System: Natural history of the Dakotas field course. (PI). \$19,495.
- 1999 National Science Foundation DUE-9876681: The NDSU collaborative for mathematics and science teacher preparation. (Co-PI). \$604,905. (March 15, 1999 - March 14, 2002).
- 1999 ND-EPSCoR Phase 0 TRIC: Educational assessment of a computer game in the earth sciences. (PI). \$3,500.
- 1999 North Dakota Department of Public Instruction: Natural history of North Dakota field course. (PI). \$14,310.
- 1998 National Science Foundation EAR-9809761: Learning by doing physical geology in a virtual laboratory / virtual field trip computer environment. (Co-PI). \$49,981. 1 year.
- 1998 North Dakota Department of Public Instruction: prairie and forest transitions: a field course. (PI). \$14,944.
- 1998 National Science Foundation DUE-9752548: A shared developmental environment for science-based courseware. (Co-PI). \$155,000. 2 years.
- 1997 North Dakota Department of Public Instruction: Natural history of the Dakotas field course. (PI). \$15,938.
- 1996 North Dakota Department of Public Instruction: Natural history of North Dakota field course. (PI). \$14,595.
- 1994 U.S. Environmental Protection Agency: Monitoring global change through insect response. (PI). \$40,000. 2 years.
- 1994 North Dakota Board of Higher Education: Prairie and forest environments: a field course. (PI). \$14,139.
- 1994 North Dakota Board of Higher Education: Natural history of the Dakotas field course. (PI). \$16,670.
- 1993 North Dakota Board of Higher Education: Natural history of North Dakota: a field course/workshop for science teachers. (PI). \$16,615.
- 1992 National Science Foundation (EPSCoR Program): Population change and genetic diversity. (Co-PI). \$1,300,000. 2 years.
- 1992 National Science Foundation (EPSCoR Program): Genetic diversity of insects across gradients of time and space. (Co-PI, with A.C. Ashworth). \$215,000. 2 years.
- 1991 North Dakota Board of Higher Education: Prairie and forest environments: a field course/workshop for science teachers. (PI). \$21,000.
- 1990 North Dakota Board of Higher Education: Natural history of the Dakotas: a course/workshop for science teachers. (PI). \$15,538.

- 1988 National Science Foundation ATM-8805791. Holocene paleoclimatology, paleoecology, and stream behavior in eastern Iowa: fossil insects. (PI). \$49,531. 2 years.
- 1987 Illinois State Museum. Processing and analysis of insect fossils from the Tonica Kettle Site. (PI). \$2,000.
- 1986-89 National Science Foundation (EPSCoR Program), Grant #RII-8610675. Transitional insect faunas associated with the last (late Wisconsinan) glaciation of the midcontinent. (PI). \$66,697. 2 years.
- 1986 North Dakota Board of Higher Education/ State Department of Public Instruction. Geology and natural history of the Dakotas: a course/workshop for science teachers. (PI). \$7741.
- 1984 National Science Foundation BSR-8400070. Paleocology and biostratigraphy of a buried Farmdalian (mid-Wisconsinan) bog in west-central Illinois. (PI). \$17,164. 2 years.
- 1981 National Science Foundation DEB-80-23952. Quaternary insect studies. (Co-PI). \$60,015. 2 years.

PUBLICATIONS:

Refereed

- Schwert, D.P. *In press*. Insect remains from the Tonica Depression. *in* R.E. Warren (ed.), *Prairie Archaeology, Volume 1. Illinois State Museum Scientific Papers*.
- Saini-Eidukat, B., D.P. Schwert, and B.M. Slator. 2002. Geology Explorer: virtual geologic mapping and interpretation. *Computers and Geosciences*. 28(10):1167-1176.
- Bajc, A.F., D.P. Schwert, B.G. Warner, and N.E. Williams. 2000. A reconstruction of Moorhead and Emerson Phase environments along the eastern margin of glacial Lake Agassiz, Rainy River basin, northwestern Ontario. *Canadian Journal of Earth Sciences*. 37(10):1335-1353.
- Reiss, R.A., A.C. Ashworth, and D.P. Schwert. 1999. Molecular genetic evidence for the post-Pleistocene divergence of populations of the arctic-alpine ground beetle *Amara alpina* (Paykull) (Coleoptera: Carabidae). *Journal of Biogeography*. 26:785-794.
- Slator, B.M., P. Juell, P.E. McClean, B. Saini-Eidukat, D.P. Schwert, A.R. White, C. Hill. 1999. Virtual environments for education. *Journal of Network and Computer Applications*. 22:161-174.
- Schwert, D.P., H.J. Torpen-Kreft, and E.R. Hajic. 1997. Characterization of the late-Wisconsinan tundra/forest transition in midcontinental North America using assemblages of beetle fossils. pp. 237-243 *in* A.C. Ashworth, P.C. Buckland, and J.P. Sadler (eds.), *An Inordinate Fondness for Beetles*. John Wiley and Sons, New York.
- Baker, R.G., E.A. Bettis, III, D.P. Schwert, D.G. Horton, C.A. Chumbley, L.A. Gonzalez, and M.K. Reagan. 1996. Holocene paleoenvironments of northeast Iowa. *Ecological Monographs*, 66:203-214.
- Cong, S., A.C. Ashworth, D.P. Schwert, and S.M. Totten. 1996. Fossil beetle evidence for a short, interval near 40,000 yr B.P. at Titusville, Pennsylvania. *Quaternary Research*, 45:216-225
- Woodman, N., D.P. Schwert, T.J. Frest, and A.C. Ashworth. 1996. Paleocology of subarctic faunal assemblages from the Woodfordian age (Pleistocene: Wisconsinan) Elkader site, northeastern Iowa. *Occasional Papers of the University of Kansas Museum of Natural History*, 178:1-33.
- Schwert, D.P. 1996. Effect of Euro-American settlement on an insect fauna: a paleontological analysis of the recent chitin record of beetles (Coleoptera) from northeastern Iowa. *Annals of the Entomological Society of America*, 89(1):53-63.
- Reiss, R.A., D.P. Schwert, and A.C. Ashworth. 1995. Field preservation of Coleoptera for molecular genetic analyses. *Environmental Entomology*, 24(3):716-719.
- Baker, R.G., D.P. Schwert, E.A. Bettis, III, and C.A. Chumbley. 1993. Impact of Euroamerican settlement on a riparian landscape in northeast Iowa, midwestern USA: an integrated approach

- based on historical evidence, floodplain sediments, fossil pollen, plant macrofossils, and insects. *The Holocene*, 3:314-323.
- Schwert, D.P. 1992. Faunal transitions in response to an ice age: the late Wisconsinan record of Coleoptera in the north-central United States. *Coleopterists Bulletin*, 46(1):68-94.
- Ashworth, A.C. and D.P. Schwert. 1991. On the occurrences of *Opisthius richardsoni* Kirby and *Asaphidion yukonense* Wickham (Coleoptera, Carabidae) as late Pleistocene fossils. *Proceedings of the Entomological Society of Washington*, 93(2):503-506.
- Baker, R.G., D.P. Schwert, E.A. Bettis, III, T.J. Kemmis, D.G. Horton, and Semkin, H.A. 1991. Mid-Wisconsinan stratigraphy and paleoenvironments at the St. Charles site in south-central Iowa. *Geological Society of America Bulletin*, 103:210-220.
- Garry, C.E., D.P. Schwert, R.G. Baker, T.J. Kemmis, D.G. Horton, and A.E. Sullivan. 1990. Plant and insect remains from the Wisconsinan interstadial/stadial transition at Wedron, north-central Illinois. *Quaternary Research*, 33:387-399.
- Garry, C.E., R.W. Baker, D.P. Schwert, and A.F. Schneider. 1990. Environmental analyses of a Twocreekan-aged beetle (Coleoptera) assemblage from Kewaunee, Wisconsin. *Geological Society of America Special Paper*, 251:57-65.
- Schwert, D.P. and A.C. Ashworth. 1990. Ice age beetles. *Natural History*, Jan., 1990, pp. 10-14.
- Schwert, D.P. 1990. Lumbricidae. pp. 341-356 in D.L. Dindal (ed.), *Soil Biology Guide*. John Wiley and Sons, New York.
- Schwert, D.P. and A.C. Ashworth. 1988. Late Quaternary history of the northern beetle fauna of North America: a synthesis of fossil and distributional evidence. *Memoirs of the Entomological Society of Canada*, 144:93-107.
- Barnosky, A.D., C.W. Barnosky, R.J. Nickmann, A.C. Ashworth, D.P. Schwert, and S.W. Lantz. 1988. Late Quaternary paleoecology of the Newton Site, Bradford County, northeastern Pennsylvania: *Mammuthus columbi*, palynology, and fossil insects. *Bulletin of the Buffalo Museum of Science*, 33:173-184.
- Schwert, D.P. and W.D. Peck. 1986. Geometric analyses of rotational faults. *Journal of Geologic Education*, 34:273-278.
- Baker, R.G., R.S. Rhodes, II, D.P. Schwert, A.C. Ashworth, T.J. Frest, G.R. Hallberg, and J.A. Janssens. 1986. A full-glacial biota from southeastern Iowa. *Journal of Quaternary Science*, 1:91-107.
- Schwert, D.P., T.W. Anderson, A. Morgan, A.V. Morgan, and P.F. Karrow. 1985. Changes in Late Quaternary vegetation and insect communities in southern Ontario. *Quaternary Research*, 23(1):205-226
- Schwert, D.P. and A.C. Ashworth. 1985. Fossil evidence for late Holocene faunal stability in southern Minnesota (Coleoptera). *Coleopterists Bulletin*, 39(1):67-79.
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OTHER PROFESSIONAL PRESENTATIONS:

- 2002 Annual Meeting Address, North Dakota Academy of Sciences
- 1999 Annual Meeting Address, Midwest Society of Geotechnical Engineers
- 1999 F-M Communiversity, presenter
- 1995 F-M Communiversity, presenter.
- 1994 General Session Address, Iowa Academy of Science, Davenport.
- 1993 Distinguished Research Scientist Lecture, Manitoba Entomological Society, Winnipeg.
- 1992 Annual Meeting Address, Coleopterists Society, Entomological Society of America, Reno.
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