

UNIVERSITY AT ALBANY, STATE UNIVERSITY OF NEW YORK

Department of Earth and Atmospheric Sciences

Short CURRICULUM VITAE

WILLIAM S.F. KIDD

Education:

1969 B.A. in Natural Sciences (Geology), Cambridge University
1974 Ph.D., Cambridge University
(dissertation supervisor John F. Dewey; examining committee W.B. Harland, W.S. McKerrow)

Professional Experience:

1972-1973 Visiting lecturer in geology, Erindale College, University of Toronto
1974 Lecturer in Geology, Department of Geological Sciences, State University of New York at Albany
1975-1981 Assistant Professor, Department of Geological Sciences, State University of New York at Albany
1981-1998 Associate Professor, Department of Geological Sciences, State University of New York at Albany
1998-2010 Professor, Dept of Earth & Atmospheric Sciences, University at Albany, SUNY.
2011-present Emeritus Professor, University at Albany, SUNY.

Professional Societies:

American Geophysical Union
Geological Society of America

Visiting appointments

January-February 1986 Visiting Scientist, Lunar and Planetary Institute, Houston
March-June, 1986 Dept. of Geology, University of Durham, United Kingdom

Expeditions

Diving scientist - Tamayo Transform Fault-East Pacific Rise intersection ALVIN diving program (P.J. Fox, Chief Scientist) October-November 1979
Diving scientist - Oceanographer Transform-Mid-Atlantic Ridge tectonics -ALVIN diving program (P.J. Fox, Chief Scientist) May-June 1980
Scientist - Royal Society-Academia Sinica Geotraverse of Xizang-Qinghai (Tibetan) Plateau. May-August 1985 and September 1986
Geologist - INDEPTH II project; seismic profiling in Southern Tibet. May-June 1994; June-July 1995
Geologist - INDEPTH III project; geophysical profiling in central Tibet. July 1998; May-June 1999

Publications

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- 5 K.C. Burke and W.S.F. Kidd, 1975. Earth - heat flow in; hot spots: article in *McGraw-Hill Encyclopedia Yearbook of Science and Technology 1975*, pp. 165-168.
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- 11 K.C. Burke and W.S.F. Kidd, 1978. Were Archean continental geothermal gradients much steeper than those of today? *Nature* **272**, 240-241.
- 12 W.S.F. Kidd, J.F. Dewey, and J.M. Bird, 1978. The Mings Bight Ophiolite Complex, Newfoundland: Appalachian Oceanic Crust and Mantle. *Canadian Journal of Earth Sciences*, **15**, 781-804.
- 13 K.C. Burke, L. Delano, J.F. Dewey, A. Edelstein, W.S.F. Kidd, K.D. Nelson, A.M.C. Sengor and J. Stroup, 1979. Rifts and Sutures of the World. Contract Report NAS 5-24094. Geophysics Branch, ESA Division, Goddard Space Flight Center, Greenbelt, Maryland, 238 pp.
- 14 R. Thiessen, K.C. Burke, and W.S.F. Kidd, 1979. African hotspots and their relation to the underlying mantle. *Geology*, **7**, 263-266.
- 15 A.M.C. Sengor and W.S.F. Kidd, 1979. Post-collisional tectonics of the Turkish-Iranian plateau and a comparison with Tibet. *Tectonophysics*, **55**, 361-376.
- 16 D.B. Rowley, W.S.F. Kidd, and L.L. Delano, 1979. Detailed stratigraphic and structural features of the Giddings Brook slice of the Taconic Allochthon in the Granville area. pp. 186-242, in Friedman, G.M. (ed.) *Guidebook, 51st N.Y. State Geol. Assoc. Ann. Mtg. and N.E.I.G.C., 71st Mtg.*, Rensselaer Poly. Inst., Troy, N.Y.

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- 88 Schoonmaker, A., W.S.F. Kidd, D.N. Reusch, M.J. Dorais, T. Gregg, and C. Spencer, 2011. Stratigraphic context, geochemical, and isotopic properties of magmatism in the Siluro-Devonian inliers of northern Maine: Implications for the Acadian Orogeny. *Amer. J. Sci.*, 311, 528-572.
- 89 Schoonmaker, A., and Kidd, W.S.F., 2013. Tectonic significance of Cambro-Ordovician and Siluro-Devonian stratigraphy and magmatism in the Chesuncook Lake and Ripogenus Gorge area, north-central Maine. Field trip A-4, pages 47-73 in Hanson, L.S. (editor), *Guidebook for fieldtrips in Central Maine*,

New England Intercollegiate Geological Conference 105th Annual meeting, Millinocket Lake, Maine, 11-13 October 2013. Salem State University, Salem, MA

- 90 Zeidler, P.K., Meltzer, A.S., Brown, L., Kidd, W.S.F., Lim, C., and Enkelmann, E., 2014. Tectonics and topographic evolution of Namche Barwa and the easternmost Lhasa block, Tibet. in Nie, J., Horton, B.K., and Hoke, G.D., (eds.), *Toward an Improved Understanding of Uplift Mechanisms and the Elevation History of the Tibetan Plateau*. Geological Society of America Special Paper 507, p. 23–58.
- 91 Schoonmaker, A., Kidd, W.S.F., DeLong, S.E., and Bender, J.F., 2014. Lawrence Head Volcanics and Dunnage Mélange, Newfoundland Appalachians: origin by Ordovician ridge subduction or in back arc rift? *Geoscience Can.*, 41, 523-556.

Grants Awarded:

14 NSF grants, 5 NASA grants, 1 ONR grant since 1975; from 1995 shown here.

1995 National Science Foundation Continental Dynamics Program

Title: Collaborative Research: Crustal reworking during orogeny: an active-system Himalayan perspective

Duration: 15th May 1995-14th May 1998

Amount: \$183,237

1998 National Science Foundation Continental Dynamics Program

Title: Collaborative Research: Structure of the crust and upper mantle beneath the Tibetan Plateau Interior (INDEPTH III)

Duration: 1/01/98 - 31/12/99 (extended to September 2000)

Amount: \$107,586

1998 National Science Foundation Tectonics Program

Title: Collaborative Research: Dating the initiation of the India-Asia collision east of Mt. Everest

Duration: 1/01/98 - 31/12/99 (extended to 31 December 2001)

Amount: \$70,290

2001 National Science Foundation Continental Dynamics Program

Title: Collaborative Research: Geodynamics of Indentor Corners

Duration: 15/07/01-14/07/06

Amount: \$142,114 (plus supplement for \$22,680; 5/06-12/06)
(proposal for \$172,687 submitted May 2000).

2007 University at Albany FRAP B

Title: Extreme tectonic extension in the Hellenic Arc

Duration: 15 April 2007-14 April 2008

Amount: \$2400

(proposal for \$4000 submitted January 2007)

NSF – Continental Dynamics Program

INDEPTH IV

Duration ~2006-2009

~\$30K through Cornell University; field work in N. Tibet September 2010

Courses taught [Course number, title, (credit hours)]

- GEO 100N Planet Earth (3)
Fall 87;88;89;90;
- GEO 107 The Oceans (3) $\frac{1}{3}$ geology; biology, atmospheric science parts taught by 2 others
Spring 82; Fall 84;
- GEO 110 Introductory Geology in the Field (3); team taught
Fall 75; Fall 76;
- GEO 120 Fundamentals of Geology (3R); team taught
Fall 75;76;77;78;80;81;
- GEO 230 Chronology and Field Methods (4R)**
Fall 74;75;76;77;78;79;80;81;82;83;
- GEO 230 Stratigraphy and Surface Processes (3R)
Spring 87
- GEO 230 Stratigraphy, Sedimentology and the Fossil Record (3R)
and Field Excursions for Stratigraphy (2R)**
Fall 02;03;04;05;06;07;08; Fall 09;10; as GEO 221 and 223
- GEO 240 Structural Geology I (3R)
Spring 75;76;77;78;89;80;81;82;83;84;85;
Fall 86;87;88;89;90;
- GEO 300 Introductory Field Geology (2R)**
Spring 87;88;89;90;92;Fall 92;93;94;95;96
- GEO 330 Structural Geology I, GEO 332 Lab for Structural Geology
and GEO 331 Field Excursions for Structural Geology (5R)
Spring 97;98;99;00;01;02;03;04;05;06;07;08;09;10
- GEO 370 Economic Geology (3) taught jointly with K. Burke, or G. Putman
Spring 77; 81; 83;
- GEO 400 Field Mapping (6R)**
Summer 74;75;76;77;78;79;80;81;82;
- GEO 400 Field Mapping (4R)**
Fall 83;84;85;86;87;88;89;90;91;92;93;94;95;96;97;98;99;00;01;02;03;04;05;06
- GEO 470 Tectonics (3R)
Fall 84;91; 04(part);05;06;07;08;09;10
- GEO 480 World Historical Geology (3R)
Spring 88;89;90;91;92;93;94;95;96;97;98;00;01;
- GEO 517 Tectonics (3R)
Fall 84;91 04(part);05;06;07;08
- GEO 518 World Historical Geology (3R)
Spring 88;89;90;91;92;93;94;95;96;97;98;00;01;
- GEO 620 Sediments and Tectonics (3)**
Fall 76
- Geo 676 Topics in Tectonics (3) (**Newfoundland Geology**)
Fall 78
- GEO 676 Topics in Tectonics (2 or 3) (**Current research topics**)
Fall 97; Spring 99;

Bold - Course developed by W. Kidd

Underline - Course significantly modified by W. Kidd

R – required course for Geology BS major; **R** – required course for Geology graduate students

Ph.D. students

From 1975: 9 PhD's sole advisor; 6 PhD's joint advisor; 1 current PhD student
Recent and current PhD's

Zhu, Bin	Graduated May 2004
Li, Youshe	Graduated December 2004
Schoonmaker, A.	Graduated May 2005
Lim, Chul	Graduated August 2007
Marsellos, A.	Graduated December 2008

MS theses supervised

From 1975: 28 MS theses sole advisor; 4 MS theses joint advisor.
Recent MS students

Short, H.	Graduated May 1999
Ashcroft, J.	Graduated May 2002
Marsellos, A.	Graduated December 2006

External Examining Committees: 11 from 1982; Columbia, Syracuse, RPI, Dalhousie, Cornell, Lehigh

Other External Committees

NASA review panels; NSF visiting committee

University service including

1981-1983 University Senate

College of Science and Mathematics service including

Fall 1981-Spring 1983	Committee on Promotions and Continuing Appointments
Fall 1989-Spring 1990	Committee on Promotions and Continuing Appointments

College of Arts and Sciences service including

1993-96	Council of Chairs
2008-10	Faculty Council; Committee on Promotions and Continuing Appointments

Department/Program of Geological Sciences service including

Acting Chairman September 1990-December 1991
Chairman January 1992-July 1996
Graduate Committee Fall 1979-Spring 1985 [Chairman 81-85]; Fall 1986-2008
Class Scheduling Fall 1979-Spring 1985; Fall 1986-2008
Freshman/sophomore advisor Fall 1977-Spring 1985; Fall 1986-Fall 1995
Earth Science BS advisor 1992-2006; Geology BS advisor 2005-2009;
University Library Liaison 1992-2010
supervision of: Maps, Field equipment, Photo equipment, 1974-2010
computer graphics equipment 1990-2002
vehicles Fall 1974-Spring 1985; Fall 1986-2010;