

Background

Date and Place of Birth: 18 February, 1943, Worcester, Massachusetts

Office: Clark University
 Graduate School of Geography
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Position: Professor of Geography, Clark University

Education

<u>Institution</u>	<u>Degree</u>	<u>Year</u>
Clark University	B.A.	June, 1965
University of Chicago	M.A.	March, 1968
University of Chicago	Ph.D.	December, 1971

Languages

French (reading and speaking ability)
 Arabic (some colloquial Libyan Arabic and some reading ability in Classical Arabic)
 German (some reading and speaking ability)

Honors and Academic Awards

1961	Swedish National Federation Scholarship
1962-1965	Clark University Scholarships
1965	Phi Beta Kappa, Lambda of Massachusetts
1965	Magna cum laude with Highest Honors in Geography
1965-1966	Woodrow Wilson Fellow
1966-1969	National Defense Education Act, Title IV, Fellow
1969-1971	Foreign Area Fellowship Program Fellow
1987-1988	Fulbright Research Scholar, Morocco

Employment Record

Cartographic and map editing experience at Moore Survey and Mapping Corporation, Shrewsbury, Massachusetts, Summers, 1965 and 1966.

Tutor, Clark University, Southern Small Colleges Institute, Summers, 1966 and 1967.

Instructor in Geography, Evening College, Indiana University, Northwest (Gary) Campus, teaching introductory human geography course, 1967-1968.

Assistant Professor, Department of Geography, Southern Illinois University, 1971-1972.

Assistant Professor, Graduate School of Geography, Clark University, 1972-1977.

Assistant Professor, Department of Geography, University of California, Berkeley, Summer, 1975.

Associate Professor, Graduate School of Geography, Clark University, 1977-1996.

Visiting Professor, Center for Middle East Studies and Department of Geography, University of California, Berkeley, January-May, 1995.

Professor, Graduate School of Geography, Clark University, 1996-2010.

Professional Experience

Fieldwork, Cyrenaica, Libyan Arab Republic, 1969-1970, studying the historical geography of the region and the cultural ecology of pastoral nomadism in the eastern Jabal al-Akhdar.

UNESCO consultant, Regional Meeting on Integrated Ecological Research and Training Needs in the Sahel Region, Niamey, Niger, West Africa, March 9-15, 1974.

Member, International Geographical Union, Working Group on Desertification in and around Arid Lands, 1976-1980.

Co-Principal Investigator (with Robert W. Kates), "Desertification: Population and Society," 1976-1977. Component review of UNEP's World Desertification Conference (UNCOD), Nairobi, Kenya, August 29-September 9, 1977.

Co-Principal Investigator (with M. J. Bowden, H. Gould, R. W. Kates, and R. A. Warrick), "Climate Fluctuations and Social Well-Being." National Science Foundation, Climate Dynamics Program, 1977-1980.

Professional Experience (continued)

Member, MAB IV (Arid Lands) Directorate, United States National Committee for Man and the Biosphere, 1978-1988.

Consultant, United Nations University, Natural Resources Program (Arid Lands), 1978-1988.

Consultant, Massachusetts Historical Commission, on Plan for the Assessment of Cultural Resource Significance in Massachusetts, 1978-1979.

Consultant, Old Sturbridge Village, Sturbridge, Massachusetts, reviewing space and landscape issues at the Pliny Freeman Farm and Center Village, 1978.

Member, International Geographical Union, Working Group on Resource Management in Drylands, 1980-1988.

Principal Investigator, "Worcester Three-Decker Survey, 1860-1935," Massachusetts Historical Commission, 1980-1981.

Consultant, New Hampshire Farm and Forest Museum, Milton, New Hampshire, 1981-1982.

Coordinator, Sudan Resource Management Project, Environmental Training and Management for Africa (ETMA), USAID-Africa Bureau, 1981-1984.

Fieldwork, Sudan, September-December, 1981, while serving as local project coordinator for the ETMA program, examining the relevance of traditional knowledge systems to environmental management and monitoring as well as coordinating the activities of interdisciplinary research teams.

Visiting Scholar, International Institute for Applied Systems Analysis, Laxenburg, Austria, June-July, 1983.

Consultant, Northern Interrelated Library System, "The Hardest Working River," Rhode Island Committee for the Humanities/Massachusetts Foundation for the Humanities and Public Policy, 1984-1985.

Consultant, Old Sturbridge Village, "Tradition and Transformation: Rural Economic Life in Central New England, 1790-1850," National Endowment for the Humanities, 1985-1988.

Consultant, Newton Historical Society, "The Evolution of an American Suburb: Newton, Massachusetts," National Endowment for the Humanities, Planning Project, 1985-1988.

Professional Experience (continued)

Project Coordinator/Co-Principal Investigator (with R. W. Kates and B. L. Turner II), "Millennial Long Waves in Human Occupance," National Science Foundation, 1985-1988.

Instructor, Luxembourg May Term, Clark European Center in Luxembourg (CECIL), now the Leir Center in Luxembourg 1986, 1987, 1989, 1991, 1993, 1994, 1997, 2000, 2001.

Fulbright Research Scholar, Morocco, 1987-1988.

Fieldwork, Morocco, 1987-1988, studying the patterns, processes and impacts of intensification among pastoral communities in the central Middle Atlas Mountains.

Faculty Associate, Center for Middle East Studies, Harvard University, 1989-2000.

Member, Upper Blackstone Headwaters Study Group, Massachusetts Audubon Society, 1991-1992.

Consultant on the Teaching of Geography, Boston Latin Academy, 1991-1992.

Organizer of geography presentations for the Dawson School's (Holden, Massachusetts) International Month, 1992-1994.

Consultant to the Worcester Public Schools, Geography Curriculum Development, 1992.

Principal Investigator, Blackstone River Valley National Heritage Corridor Commission Boundary Study, 1993.

Director, SW Asia Section, Asian Geography Specialty Group, Association of American Geographers, 1995-1997.

Visiting Professor, Center for Middle East Studies and Department of Geography, University of California, Berkeley, January-May, 1995.

Distinguished Visitor, University College London, November 1995.

Visiting Research Professor, Brunel, The University of West London, Department of Human and Environmental Sciences, 1995-1996.

Visiting Professor, Al Akhawayn University, Morocco, January-May, 1996.

Clark University's Exchange Professor, University of Trier, Germany, June, 1996.

Professional Experience (continued)

Member, Editorial Board, Columbia Gazetteer of the World, 1996-1998.

Member, Advanced Placement Geography Development Committee, College Board/Educational Testing Service, 1995-1998.

Field Trip Coordinator, Association of American Geographers, 94th Annual Meeting, March 25-29, 1998, Boston, Massachusetts.

Secretary of the Faculty, Clark University, May 1997-2000.

Member, Academic Advisory Committee, Bostonian Society, 1998-2001.

Member, Steering Committee, Boston Adult Literacy Fund, Adult GeoQuiz, 1999.

Board Member, Middle East Specialty Group, Association of American Geographers, 2001-2003.

Member, Desertification Permanent Monitoring Panel, World Federation of Scientists, 1997-2001.

Member, Fulbright National Screening Committee, Middle East and North Africa, 2001; 2003; 2009.

Member, *Comité Scientifique*, GeoMaghreb: A Review of Applied Studies in Geoscience, Geography and Development, January, 2002 to 2006.

Co-editor, The Geographical Review, January, 2003 to April 2006.

Thesis Supervision at Clark University

M.A. Candidates: (Completed): Farron Vogel Roboff (1977); Thomas N. Dart (1986); Melvin M. Melnicoe (1986); Penny Carver Thompson (1986); Myriem Noussairi.(2001); Neil Manspeizer (2003).

Ph.D. Candidates: (Completed): Abdulhamid Saleh Benkhial (1985); Abdellatif Bencherifa (1986); Raban Chanda (1986); Christine Rodrigue (1987); Nomcebo Simelane (1987); Reed F. Stewart (1987); Mustafa Omer M. El-Jaili (1988); Usama Osman Abdelgadir (1989); Michael Phoenix (1992); Paul Robbins (1995), Eagilwe Segosebe (1997), Simon Batterbury (1997); Susanne Steinmann (2001); Abdelkrim Marzouk (co-chair with R. Eastman; 2005); Ying Li (2009).

Publications

- 1969 Douglas L. Johnson. The Nature of Nomadism: A Comparative Study of Pastoral Migrations in Southwestern Asia and Northern Africa. University of Chicago, Department of Geography, Research Paper No. 118, 200 pp.
- 1972 Douglas L. Johnson. "Ecological and Historical Factors in the Pastoral Nomadism of Eastern Cyrenaica," *Annales Algeriennes de Géographie*, 2, Numéro Spécial (May), pp. 130-140.
- Kenneth Atkinson, Michael Bovis, and Douglas Johnson. "Man-Made Oases of Libya," *Geographical Magazine*, 45, No. 2 (November), pp. 112–115.
- 1973 Douglas L. Johnson. *Jabal al-Akhdar, Cyrenaica: An Historical Geography of Settlement and Livelihood*. University of Chicago, Department of Geography, Research Paper No. 148, 240 pp.
- Douglas L. Johnson. The Response of Pastoral Nomads to Drought in the Absence of Outside Intervention. New York: United Nations, Special Sahelian Office, 19 December, 1973 (ST/SSO/18). 15 pp.
- 1974 Douglas L. Johnson. "Changing Patterns of Pastoral Nomadism in North Africa," in B.S. Hoyle (ed.), *Spatial Aspects of Development* (London: John Wiley), pp. 147–166.
- 1975 Douglas L. Johnson. "The Cultural Ecology of Pastoral Nomadism," *Geographical Review*, 65, No. 1 (January), pp. 118–120.
- Douglas L. Johnson. "The Status of Pastoral Nomadism in the Sahelian Zone," in *The Sahel: Ecological Approaches to Land Use* (MAB Technical Note No. 1; Paris: UNESCO), pp. 75–87.
- 1976 Saul Israel, Douglas L. Johnson, and Dennis Wood. *World Geography Today* (New York: Holt, Rinehart and Winston). 565 pp.
- 1977 Douglas L. Johnson. "The Human Dimensions of Desertification," *Economic Geography*, 53, No. 4 (October), pp. 317–321.
- Douglas L. Johnson, guest editor. "The Human Face of Desertification," *Economic Geography*, 53, No. 4 (October), pp. 317–436.
- Douglas L. Johnson. "Pastoral Nomadism in the Sahel Zone," in Karl W. Deutsch (ed.), *Ecosocial Systems and Ecopolitics: A Reader on Human and Social Implications of Environmental Management in Developing Countries* (Paris: UNESCO), pp. 169–185.

Publications (continued)

- Robert W. Kates, Douglas L. Johnson, and Kirsten Johnson Haring. "Population, Society and Desertification," in United Nations, Conference on Desertification (UNCOD), *Desertification: Its Causes and Consequences* (Oxford: Pergamon), pp. 261–317.
- 1978 Douglas L. Johnson. "Nomadic Organization of Space: Reflections on Pattern and Process," in Karl W. Butzer (ed.), *Dimensions of Human Geography: Essays on Some Familiar and Neglected Themes* (University of Chicago, Department of Geography, Research Paper No. 186), pp. 25-47.
- Douglas L. Johnson. "In Search of Short-term Indicators of Desertification," in Priscilla Reining (compiler), *Handbook on Desertification Indicators* (Washington, D.C.: American Association for the Advancement of Science), pp. 127–131.
- Douglas Johnson and Phil O'Keefe. *Overview of Physical and Socio-economic Environments: Impact Situation in North Africa*. Worcester, MA: Program for Inter- national Development, Clark University. 80 pp.
- Douglas L. Johnson and Leonard Berry. "Africa and the Middle East," in Don R. Hoy (ed.), *Geography and Development: A World Regional Approach* (New York: Macmillan), pp. 460–556.
- 1979 Douglas L. Johnson. "Arid Lands Study: Basic Necessity of National Development," *The United Nations Newsletter*, 3, No. 2 (May), p. 1.
- Douglas L. Johnson. "Management Strategies for Drylands: Available Options and Unanswered Questions," in J. A. Mabbutt (ed.), *Workshop on Arid Lands Management in Sudan* (Tokyo: United Nations University), pp. 26–35.
- Douglas L. Johnson. "Report and Recommendations of the Khartoum Workshop on Arid Lands Management," in J. A. Mabbutt (ed.), *Workshop on Arid Lands Management in Sudan* (Tokyo: United Nations University), pp. 76–82.
- Douglas L. Johnson. "Pastoral Cooperatives in Rajasthan." Pastoral Network Paper 9c. London: Overseas Development Institute, Agricultural Administration Unit. 18 pp.
- 1980 Douglas L. Johnson. "UNCOD, Combatting Desertification, and the Pastoral Nomad," *Newsletter, Commission on Nomadic Peoples*, No. 5 (January), pp. 6–10.
- Douglas L. Johnson. "Desertification and Nomadic Pastoral Development," in E. T. Bartlett and Neville Dyson-Hudson (eds.), *The Man and the Biosphere*

Publications (continued)

Program in Grazing Lands (Washington, D.C.: U. S. Man and the Biosphere Program), pp. 75–86.

Douglas L. Johnson. "Management Strategies for Drylands: An Interim Report," in J. A. Mabbutt (ed.), *Research and Training for Management of Arid Lands, with Special Reference to Anglophone Africa and the University of Khartoum* (Tokyo: United Nations University), pp. 6–8.

Douglas L. Johnson and Leonard Berry. "Africa and the Middle East," in Don R. Hoy (ed.), *Essentials of Geography and Development: Concepts and Processes* (New York: Macmillan; London: Collier Macmillan), pp. 298–354.

Douglas L. Johnson and M. M. Khogali. "Pastoralism and Desertification: A Thematic Report," in J. A. Mabbutt and S. M. Berkowicz (eds.) *The Threatened Drylands: Regional and Systematic Studies of Desertification*, Twenty-fourth International Geographical Congress, Working Group on Desertification in and around Arid Lands, Pre-Congress Symposium, Fujinomiya, Japan, August 25–30, 1980. (Kensington, N.S.W., Australia: University of New South Wales, School of Geography), pp. 133–136.

Douglas L. Johnson and Farron Vogel-Roboff. "Pastoralism: Some Alternative Futures," in Leonard Berry and Robert W. Kates (eds.), *Making the Most of the Least: Alternative Ways to Development* (New York and London: Holmes & Meier), pp. 77–93.

Saul Israel, Douglas L. Johnson, and Dennis Wood. *World Geography Today*. (Rev. ed. New York: Holt, Rinehart and Winston). 550 pp.

- 1981 Douglas L. Johnson. "Worcester's Ordinary Landscape," *Clark Now*, 11, No. 3 (Fall/Winter), pp. 7–11.

Martyn J. Bowden, Robert W. Kates, Paul A. Kay, William E. Riebsame, Richard A. Warrick, Douglas L. Johnson, Harvey A. Gould, and D. Wiener. "The Effect of Climate Fluctuations on Human Populations: Two Hypotheses," in T. M. L. Wigley, M. J. Ingram, and G. Farmer (eds.), *Climate and History: Studies in Past Climates and Their Impact on Man* (Cambridge: Cambridge University Press), pp. 479–513.

John Callahan, Mona Domosh, Douglas L. Johnson, Montine Jordan, Joni Seager, and Michael Steinitz. *Worcester Three-Decker Survey* (Worcester, MA). 151 pp.

Publications (continued)

- Paul A. Kay and Douglas L. Johnson. "Estimation of Tigris-Euphrates Streamflow from Regional Paleoenvironmental Proxy Data," *Climate Change*, 3, No. 3, pp. 251–263.
- 1984 Douglas L. Johnson and Leonard Berry. "Middle East and North Africa," in Don R. Hoy (ed.), *Essentials of Geography and Development: Concepts and Processes* (2nd ed. Columbus, Ohio: Charles E. Merrill), pp. 309-339.
- Leonard Berry and Douglas L. Johnson. "Africa South of the Sahara," in Don R. Hoy (ed.), *Essentials of Geography and Development: Concepts and Processes* (2nd ed. Columbus, Ohio: Charles E. Merrill), pp. 284–308.
- Douglas L. Johnson and Harvey Gould. "The Effect of Climate Fluctuations on Human Populations: A Case Study of Mesopotamian Society," in Asit K. Biswas (ed.), *Climate and Development* (Dublin: Tycooly International Publishing), pp. 117–138.
- 1985 Douglas L. Johnson. "Monitoring Environmental Change in the Drylands of Sudan," in Wolfgang Meckelein and Horst Mensching (eds.), *Resource Management in Drylands*, Twenty-fifth International Geographical Congress, Working Group on Resource Management in Drylands, Pre-Congress Symposium, Stuttgart, Germany, August 23–25, 1984. (Stuttgarter Geographische Studien No. 105; Stuttgart, Germany: Geographisches Institut der Universität Stuttgart), pp. 73–87.
- Douglas L. Johnson. "16. Arid Lands," in Chauncy D. Harris et al (eds.), *Geographical Bibliography for American Libraries*. Washington, D.C.: Association of American Geographers, pp. 366-370. [annotated bibliography]
- 1986 Douglas L. Johnson. "Desertificazione e società: cause sociali della degradazione delle terre asciutte," in Pierpaolo Faggi (ed.), *Problemi e prospettive di sviluppo delle terre asciutte nel Terzo Mondo* (Quaderni del Dipartimento di Geografia 4, Università di Padova), pp. 25–44.
- Douglas L. Johnson. "Resource Use in Dry Places: Present Status and Potential Solutions," in I. Burton and R. W. Kates (eds.), *Geography, Resources and Environment*, Vol. 2 (Chicago: University of Chicago Press), pp. 83–115.
- Leonard Berry and Douglas L. Johnson. "Geographical Approaches to Environmental Change: Assessing Human Impacts on Global Resources," in Kenneth A. Dahlberg and John W. Bennett (eds.), *Natural Resources and People: Conceptual Issues in Interdisciplinary Research* (Boulder and London: Westview Press), pp. 67–105.

Publications (continued)

- 1987 Douglas L. Johnson. "Social Impacts of Desertification in the United States," in C. F. Hutchinson and A. C. Webb (eds.), *United States - Pakistan Workshop on Arid Lands Development and Desertification Control* (Islamabad: Pakistan Agricultural Research Council), pp. 90–97.
- 1988 Douglas L. Johnson. "Holistic Perspectives on Arid Land Management," in Emily E. Whitehead, Charles F. Hutchinson, Barbara N. Timmermann, and Robert G. Varady (eds.), *Arid Lands: Today and Tomorrow*, Proceedings of an International Research and Development Conference, Tucson, Arizona, October 20–25, 1985 (Boulder: Westview Press; London: Belhaven Press), pp. 591–604.
- 1989 Douglas L. Johnson and Leonard Berry. "The Middle East and North Africa," in James S. Fisher (ed.), *Geography and Development: A World Regional Approach* (3rd ed. Columbus, Ohio: Merrill), pp. 496–537.
- Leonard Berry and Douglas L. Johnson. "Africa South of the Sahara," in James S. Fisher (ed.), *Geography and Development: A World Regional Approach* (3rd ed. Columbus, Ohio: Merrill), pp. 461–495.
- 1990 Douglas L. Johnson. "Pastoral Regimes in Mauritania," pp. 216-226; "The Beni Mguild of Morocco," pp. 227-235; "The Mountain Nomads of Iran: Basseri and Bakhtiari," pp. 275-287; "The Marri Baluch of Pakistan," pp. 288-297, in National Research Council, *The Improvement of Tropical and Subtropical Rangelands* (Washington, D.C.: National Academy Press; republication of parts of The Nature of Nomadism).
- Abdellatif Bencherifa and Douglas L. Johnson. "Adaptation and Intensification in the Pastoral Systems of Morocco," in John G. Galaty and Douglas L. Johnson (eds.), *The World of Pastoralism: Herding Systems in Comparative Perspective* (New York: Guilford Press), pp. 394–416.
- John G. Galaty and Douglas L. Johnson, eds. *The World of Pastoralism: Herding Systems in Comparative Perspective* (New York: Guilford Press). 436 pp.
- John G. Galaty and Douglas L. Johnson. "Introduction: Pastoral Systems in Global Perspective," in John G. Galaty and Douglas L. Johnson (eds.), *The World of Pastoralism: Herding Systems in Comparative Perspective* (New York: Guilford Press), pp. 1–31.
- Thomas M. Whitmore, B. L. Turner II, Douglas L. Johnson, Robert W. Kates, and Thomas R. Gottschang. "Population and Environmental Transformation: A Long Term View," in B. L. Turner II, William C. Clark, Robert W. Kates, John F. Richards, Jessica J. Mathews, and William B. Meyer (eds.), *The Earth as Transformed by Human Action: Global and Regional Changes in the Biosphere*

Publications (continued)

Over the Past 300 Years (New York and Cambridge: Cambridge University Press), pp. 25–39.

- 1991 Douglas L. Johnson. “Common Themes in the Socio-Economic and Legal Aspects of Pastoral Development,” in André Gaston, Malcolm Kernick, and Henri-Noël Le Houérou (eds.), *Proceedings of the Fourth International Rangeland Congress*, Montpellier, France, 22-26 April, 1991, Vol. 3 (Montpellier: CIRAD), pp. 1189–1191.

Abdellatif Bencherifa and Douglas L. Johnson. “Changing Resource Management Strategies and their Environmental Impacts in the Middle Atlas Mountains of Morocco,” *Mountain Research and Development*, 11, No. 3, pp. 183–194.

- 1992 Douglas L. Johnson and Leonard Berry. “The Middle East and North Africa,” in James S. Fisher (ed.), *Geography and Development: A World Regional Approach* (4th ed. New York: Macmillan), pp. 511–553.

Leonard Berry and Douglas L. Johnson. “Africa South of the Sahara,” in James S. Fisher (ed.), *Geography and Development: A World Regional Approach* (4th ed. New York: Macmillan), pp. 473–509.

- 1993 Douglas L. Johnson. “Pastoral Nomadism and the Sustainable Use of Arid Lands,” *Arid Lands Newsletter*, 33 (Spring/Summer), pp. 26–34.

Douglas L. Johnson. “Nomadism and Desertification in Africa and the Middle East,” *GeoJournal*, 31, No. 1 (September), pp. 51–66.

Abdellatif Bencherifa and Douglas L. Johnson. “Environment, Population Pressure and Resource Use Strategies in the Middle Atlas Mountains of Morocco,” in Abdellatif Bencherifa (ed.), *Montagnes et Hauts-Pays de l'Afrique (2): Utilisation et Conservation des Ressources* (Rabat, Morocco: Université Mohammed V, Faculté des Lettres et des Sciences Humaines, Série Colloques et Séminaires No. 29), pp. 101–121.

- 1994 Douglas L. Johnson, Christine Beard, Gavin Bridge, Philip Steinberg, and Martyn Bowden. *Blackstone River Valley National Heritage Corridor Boundary Study* (Blackstone River Valley National Heritage Corridor Commission and Clark University). 62 pp.

Publications (continued)

- 1995 Douglas L. Johnson. "Statut écologique et changements dans les systèmes agropastoraux du Moyen Atlas Central," in Abdellatif Bencherifa and Will D. Swearingen (eds.), *l'Afrique du Nord face aux menaces écologiques* (Rabat, Morocco: Université Mohammed V, Faculté des Lettres et des Sciences Humaines, Série Colloques et Séminaires No. 50), pp. 37–53.
- Douglas L. Johnson and Laurence A. Lewis. *Land Degradation: Creation and Destruction*. (Oxford, U.K. and Cambridge, MA: Blackwell). 335 pp.
- Douglas L. Johnson and Leonard Berry. "The Middle East and North Africa," in James S. Fisher (ed.), *Geography and Development: A World Regional Approach* (5th ed. Englewood Cliffs, N. J.: Prentice Hall), pp. 511–553.
- Leonard Berry and Douglas L. Johnson. "Africa South of the Sahara," in James S. Fisher (ed.), *Geography and Development: A World Regional Approach* (5th ed. Englewood Cliffs, N. J.: Prentice Hall), pp. 473–508.
- 1996 Douglas L. Johnson. "Nubian Desert," *Microsoft Encarta 1996*. [Article in CD-ROM encyclopedia]
- Douglas L. Johnson. "Development Trends and Environmental Deterioration in the Agropastoral Systems of the Central Middle Atlas, Morocco," in Will D. Swearingen and Abdellatif Bencherifa (eds.), *The North African Environment at Risk* (Boulder: Westview Press), pp. 35–54.
- 1998 Douglas L. Johnson. "The Middle East and North Africa," in David L. Clawson and James S. Fisher (eds.), *World Regional Geography: A Development Approach* (6th ed. Upper Saddle River, N.J.: Prentice Hall), pp. 431–491.
- Douglas L. Johnson. "Land Degradation in Dry Places: How Selective Desertification Produces Creative Destruction," in K. Goebel (ed.), *International Seminar on Nuclear War and Planetary Emergencies, 22nd Session: Nuclear Submarine Decontamination, Chemical Stockpiled Weapons, New Epidemics, Cloning of Genes, New Military Threats, Global Planetary Changes: Ozone Hole & Climate Impact, Desertification, Water, Forestry & Urbanism, and Cosmic Objects & Energy*, "E. Majorana" Centre for Scientific Culture, Erice, Italy, 19–24 August 1997 (Singapore: World Scientific), pp. 227–240.
- Douglas L. Johnson, Abdellatif Bencherifa and Viola Haarmann. Preparation of 88 new entries and revision of 363 existing entries on Morocco in Saul B. Cohen (general editor), *Columbia Gazetteer of the World* (New York: Columbia University Press). 3 vols.

Publications (continued)

- 1999 Douglas L. Johnson. "The Human Dimensions of Desertification in Semi-arid Environments: The Case for Holistic Solutions to Sustainable Development," in K. Goebel (ed.), *International Seminar on Nuclear War and Planetary Emergencies, 23rd Session: Medicine & Biotechnologies, Proliferation & Weapons of Mass Destruction, Climatology & El Nino, Desertification, Defence against Cosmic Objects, Water & Pollution, Food, Energy, Limits of Development, The Role of Permanent Monitoring Panels*, "E. Majorana" Centre for Scientific Culture, Erice, Italy, 19-24 August 1998 (Singapore: World Scientific), pp. 122–137.
- Douglas L. Johnson. "Egypt," *Microsoft Encarta 1999*. [Article in CD-ROM encyclopedia]
- Douglas L. Johnson, V. Haarmann, Y. Li, N. Manspeizer, A. Marzouk. "Commentaries on 'Monitoring and Verifying Soil Organic Carbon Sequestration'," in Norman J. Rosenberg, R. Cesar Izaurralde, and Elizabeth L. Malone (eds.), *Carbon Sequestration in Soils: Science, Monitoring, and Beyond*, Proceedings of the St. Michaels Workshop, December 1998 (Columbus, Ohio: Battelle Press), pp. 74–78.
- 2000 Alexander B. Murphy and Douglas L. Johnson with Viola Haarmann, eds. *Cultural Encounters with the Environment: Enduring and Evolving Geographic Themes* (Lanham, MD: Roman & Littlefield). 337 pp.
- "The Middle East and North Africa," in David L. Clawson (ed.), *World Regional Geography: A Development Approach* (7th ed. Upper Saddle River, N. J.: Prentice Hall), pp. 409–475.
- Douglas L. Johnson. "Cohabitation in Geography: Living Together as Physical and Human Geographers," *Svensk Geografisk Årsbok*, 2000, Årg. 76, pp. 62–69.
- 2001 Douglas L. Johnson. "Linking the Conventions: Soil Carbon Sequestration and Desertification Control. A Report from the Desertification Permanent Monitoring Panel Workshop," in R. Ragaini (ed.), *International Seminar on Planetary Emergencies and Associated Meetings. 25th Session* "E. Majorana" Centre for Scientific Culture. Erice, Italy, 19-24 August 2000 (Singapore: World Scientific), pp. 400–405.
- 2002 Li, Ying, Douglas L. Johnson, and Abdelkrim Marzouk. "Pauperizing the pastoral periphery: the marginalization of herding communities in the world's dry lands," *Journal of Geographical Sciences*, 12, No. 1 (2002), 1–14.

Publications (continued)

2004 Douglas L. Johnson. "The Middle East and North Africa," in David L. Clawson and Merrill L. Johnson (eds.), *World Regional Geography: A Development Approach* (8th ed. Upper Saddle River, NJ: Prentice Hall), pp. 409-483.

Douglas L. Johnson. "Gobi," in *The World Book Encyclopedia* (Chicago: World Book Publishing), p. 242.

Douglas L. Johnson and Viola Haarmann, editors. *The Geographical Review*, Vol. 93, Nos. 1–4. 550 pp.

2005 Douglas L. Johnson and Viola Haarmann, editors. *The Geographical Review*, Vol. 94, Nos. 1–4. 566 pp.

2006 Douglas L. Johnson and Viola Haarmann, editors. *The Geographical Review*, Vol. 95, Nos. 1–4. 630 pp.

Douglas L. Johnson and Viola Haarmann, editors. *The Geographical Review*, Vol. 96, Nos. 1–4. 742 pp.

2007 Douglas L. Johnson and Laurence A. Lewis. *Land Degradation: Creation and Destruction*. 2nd ed. Lanham, Md.: Rowman & Littlefield. 301 pp.

David L. Clawson, Douglas L. Johnson, Viola Haarmann, and Merrill L. Johnson, eds. *World Regional Geography: A Development Approach*. 9th ed. Upper Saddle River, N.J.: Prentice Hall. 661 pp.

Merrill L. Johnson, Douglas L. Johnson, Viola Haarmann, and David L. Clawson. "Basic Concepts and Ideas." In *World Regional Geography: A Development Approach* (9th ed.), edited by David L. Clawson, Douglas L. Johnson, Viola Haarmann, and Merrill L. Johnson, 2–93. Upper Saddle River, N.J.: Prentice Hall.

Douglas L. Johnson and Viola Haarmann. "The Middle East and North Africa." In *World Regional Geography: A Development Approach* (9th ed.), edited by David L. Clawson, Douglas L. Johnson, Viola Haarmann, and Merrill L. Johnson, 518–585. Upper Saddle River, N.J.: Prentice Hall.

2010 Douglas L. Johnson, Viola Haarmann, Merrill L. Johnson, and David L. Clawson, eds. *World Regional Geography: A Development Approach*. 10th ed. Upper Saddle River, N.J.: Pearson Prentice Hall. 613 pp.

Publications (continued)

Merrill L. Johnson, Douglas L. Johnson, and Viola Haarmann. "Geography and Development in an Era of Globalization." In *World Regional Geography: A Development Approach* (10th ed.), edited by Douglas L. Johnson, Viola Haarmann, and Merrill L. Johnson, and David L. Clawson, 1–71. Upper Saddle River, N.J.: Pearson Prentice Hall.

Douglas L. Johnson and Viola Haarmann. "The Middle East and North Africa." In *World Regional Geography: A Development Approach* (10th ed.), edited by Douglas L. Johnson, Viola Haarmann, and Merrill L. Johnson, and David L. Clawson, 332–399. Upper Saddle River, N.J.: Pearson Prentice Hall.

Forthcoming Publication

Douglas L. Johnson. "Nomadic Herding" and "Nomadism." In *Encyclopedia of Geography*, edited by Barney Warf. Sage Publications (September, 2010).

Papers, Unpublished Reports, and Invited Lectures

- 1971 "Ecological and Historical Factors in the Pastoral Nomadism of Eastern Cyrenaica." Paper presented at the International Geographical Union/Commission on Arid Lands Colloquium "Development Problems of the Northern Sahara," Ouargla, Algeria, September 25-26, 1971.
- "The Evolution of Market Towns in Eastern Cyrenaica." Paper presented at the First Annual Meeting of the Middle East Studies Association of North America, Denver, Colorado, November 11-14, 1971.
- 1973 "The Relevance of Traditional Life Styles to Economic Development: Case Studies in Cultural Ecology." Paper prepared for the Geographic Education meeting, Washington, D.C., November 1-3, 1973 and read at the special session on "Teaching Environmental Modification and Economic Development in 'Non-Western' Areas."
- 1974 "Research Trends in Cultural Ecology." Paper presented at the 70th Annual Meeting of the Association of American Geographers, Seattle, Washington, April 28 - May 1, 1974.

1975 "The Libyan Nomad: Dying Lifestyle or Development Opportunity?" Paper presented at the Geography of Libya Conference, University of Benghazi, Faculty of Arts, Benghazi, Libyan Arab Republic, March 15-21, 1975.

(with Farron Vogel). "Alternative Futures for Pastoral Peoples." Background paper prepared for the Wingspread Conference of the Center for the Study of Democratic Institutions/The Fund for the Republic, Racine, Wisconsin, October 19-22, 1975. 22 pp.

1977 "Subsistence, Commerce and Survival in Pastoral Systems." Comments on a paper by Jacques Henry ("Le comportement économique des nomades pastoraux: prospérité, dépression et politiques de réhabilitation") presented at the International Conference on the Economic Development of Sahelian Countries, Montreal, Canada, October 13-14, 1977.

1978 "Ecological Approaches to the Interpretation of Early Nineteenth-Century Rural New England." Paper presented at the Annual Meeting of the Organization of American Historians, New York, April 12-15, 1978.

"Desertification and Nomadic Pastoral Development." Paper presented at the First International Rangeland Congress, Denver, Colorado, August 14-18, 1978.

"Management Strategies for Drylands: Available Options and Unanswered Questions." Paper presented at the United Nations University Workshop on Arid Lands Management, Khartoum, Republic of Sudan, 22-25 October, 1978.

Papers (continued)

1979 "Desertification: Its Human Dimensions." Paper presented at the Smithsonian Institution, Resident Associate Program, Washington, D.C., January 23, 1979.

"The Use and Management of Dryland Natural Resources: A Proposal." Paper presented at the United Nations University Workshop on Training and Management for Arid Lands, Hamburg, Germany, October 29 - November 1, 1979.

1981 "Monitoring Environmental Change: Thoughts on Physical and Social Indicators in the Sudan." ETMA - Sudan Working Paper No. 1, Worcester, Massachusetts: Clark University, Program in International Development. 41 pp.

1982 (editor). "The Impact of Water Development on the Biophysical Environment in Some Areas of Northern Kordofan Province." ETMA - Sudan Working Paper No. 2, Worcester, Massachusetts: Clark University, Program in International Development. Prepared by M. A. I. Ghanim, S. A. El-Tayeb, and M. Y. Mabruk. 21pp.

Papers (continued)

- (editor). "Potential Social and Economic Indicators in the Khuwei-Mazroub Area." ETMA - Sudan Working Paper No. 3, Worcester, Massachusetts: Clark University, Program in International Development. Prepared by M. O. as-Sammani and Siddiq Umbadda. 48 pp.
- "Geographical Approaches to Environmental Change: Assessment of Human Impacts on Global Resources." Paper presented at the Annual Meeting of the American Association for the Advancement of Science, Washington, D.C., January 3-8, 1982.
- "The Impact of Water Development on the Rural Resource Base of Western Kordofan, Sudan." Paper presented at the UNEP/USSR International Training Course on "Rangeland Ecology, Management, and Productivity," Samarkand, Uzbekistan, May 18-June 22, 1982.
- 1983 "Monitoring Environmental Change: Issues and Indicators." Paper presented at the Workshop on Monitoring and Controlling Desertification in Sudan, Institute for Environmental Studies, University of Khartoum, February 20-23, 1983.
- 1984 "Monitoring Environmental Change in the Drylands of Sudan." Paper presented at the 25th International Geographical Congress, Pre-Congress Symposium of the Working Group on Resource Management in Drylands, Stuttgart, Germany, August 23-25, 1984.
- 1985 "Desertification and Society: Causes and Consequences of Dryland Degradation." Paper presented at the International Geographical Union/Working Group on Resource Management in Drylands Workshop on Problems and Prospects of Development in the Drylands of the Third World, Padua, Italy, March 25-28, 1985.
- "Holistic Perspectives on Arid Land Management." Paper presented at the International Research and Development Conference, Tucson, Arizona, October 20-25, 1985.
- 1986 "Social Dimensions of Arid Lands Development." Paper presented at the US-Pakistan Workshop on Arid Lands Development and Desertification Control, Islamabad, Pakistan, January 9-15, 1986.
- 1987 (with Thomas Whitmore). "Old World Population Reconstructions: The Nile and Mesopotamia." Paper presented at the 83rd Annual Meeting of the Association of American Geographers, Portland, Oregon, April 22-26, 1987.

Papers (continued)

- (with Thomas Whitmore). "Population Reconstruction of the Egyptian Nile: 4000 B.C. - 1983 A.D." Technical Paper #3. Millennial Longwaves of Human Occupance Project, NSF Grant No. 841-3557 (Geography). 76 pp.
- 1989 "Causes and Consequences of Environmental Change in the Pastoral Systems of Central Morocco." Paper presented at the 85th Annual Meeting of the Association of American Geographers, Baltimore, Maryland, March 19-22, 1989.
- 1990 "Patterns of Intensification in the Ait Arfa (Beni Mguild) Pastoral System: The Transformation of the Traditional Sheep-Herding System." Paper presented at the Moroccan Forum, Center for Middle Eastern Studies, Harvard University, February 1, 1990.
- "Dynamic Behavior of Pastoral Intensification on the Timahdite Plateau." Paper presented at the International Geographical Union/African Mountain Association Workshop, Rabat, Morocco, September 19-28, 1990.
- 1991 "Animals as a Cultural Identity System Among the Beni Mguild Pastoralists of Morocco." Invited lecture presented at the University of Bayreuth, Germany, June 19, 1991.
- 1992 "Nomadism and Desertification in North Africa and the Near East." Paper presented at the 88th Annual Meeting of the Association of American Geographers, San Diego, California, April 18-21, 1992.
- "Arid Lands and Pastoral Systems in the Cultural Ecology of the Middle East." Invited lecture presented at Mohammed V University, Faculté des Lettres et des Sciences Humaines, Rabat, Morocco, June 3, 1992.
- "Environmental Status and Development Trends in the Agropastoral Systems of the Central Middle Atlas." Paper presented at "The North African Environment at Risk: Conference on Environmental Sustainability and Economic Development," Tangier American Legation Museum, Tangier, Morocco, June 21-26, 1992.
- 1993 "Rupture of Ecological Integration in the Environment of Middle Atlas Pastoralists." Paper presented at a special session on the "Rupture in the Spatial Order of North Africa and the Middle East. I. Rural Environments" at the 89th Annual Meeting of the Association of American Geographers, Atlanta, Georgia, April 7-9, 1993.
- "Animals, Herders and the State: Patterns of Power and Identity among African Pastoralists." Paper presented at the "Political Power and Cultural Identity in Africa," Jahreskolloquium 1993 des Sonderforschungsbereichs (SFB) 214 "Identität in Afrika," University of Bayreuth, Germany, June 14-16, 1993.

Papers (continued)

1994 "Patterns of Livelihood and Environment in the Middle East." Paper presented at the New Hampshire Council on World Affairs Workshop, Concord, New Hampshire, April 14, 1994.

1995 "Creative Destruction and the Pursuit of Sustainable Development." Invited lecture presented at the University of California, Berkeley, Department of Geography, February 2, 1995.

"The Impact of Borders and Warfare on African Nomads." Paper presented at the 91st Annual Meeting of the Association of American Geographers, Chicago, Illinois, March 14-18, 1995.

"Pastoral Intensification and the Sustainable Management of Common Property Resources in the Middle East and North Africa." Invited lecture presented at the University of Arizona, Center for Middle Eastern Studies, Tucson, Arizona, April 14, 1995.

"Common Property Resource Systems and Land Degradation." Invited lecture presented at the University College London, Department of Geography, Human Geography Seminar, November 17, 1995.

"Creation and Destruction in Land Management." Invited lecture presented at the University College London, Department of Geography, Departmental Seminar, November 19, 1995.

"Nomadism in North Africa." Invited lecture presented at the University College London, Biological Anthropology Seminars, November 24, 1995.

1996 "Gainers and Losers in Land Degradation." Invited lecture presented at the University of Fez, Faculté des Lettres - Sais, Fez, Morocco, March 6, 1996.

"Geography and Field Research." Invited lecture presented at Al Akhawayn University, Ifrane, Morocco, March 8, 1996.

"Intensification in Traditional Pastoral Production Systems." Invited lecture presented at the University of Trier, Germany, June 11, 1996.

"Finding the Positive in Land Degradation." Invited lecture presented at the University of Heidelberg, Germany, June 13, 1996.

"The Return of the Tree in the New England Landscape." Invited lecture presented at the University of Trier, Germany, June 27, 1996.

Papers (continued)

“Preston James’ Blackstone Valley Seventy Years Later.” Field Trip for the New England - St. Lawrence Valley Geographical Society, Annual Meeting, Worcester, Massachusetts, November 3, 1996.

- 1997 “Preston James’ Blackstone Valley Landscape Sixty-Five Years Later.” Paper presented at the 93rd Annual Meeting of the Association of American Geographers, Fort Worth, Texas, April 1-5, 1997.

“Agriculture and Rural Land Use.” “Development and Diffusion of Agriculture.” “The Earth’s Major Agricultural Production Regions.” “Models of Rural Land Use and Change.” and “Impacts of Agricultural Change.” An invited series of lectures for the Advanced Placement Geography Summer Institute, Macalester College, St. Paul, Minnesota, July 16-18, 1997.

“Land Degradation in Dry Places: How Selective Desertification is Needed for Creative Destruction.” Paper presented at the Annual Meeting of the World Federation of Scientists, Erice, Italy, August 19-24, 1997.

- 1998 “Culture, Industry, and Land-Use Change in the Blackstone River Valley: Preston James Revisited.” Field Trip (with P. Steinberg, Florida State University) organized and carried out as part of the 94th Annual Meeting of the Association of American Geographers, Boston, Massachusetts, March 25-29, 1998.

“The Human Dimensions of Desertification in Semi-Arid Environments: The Case for Holistic Solutions to Sustainable Development.” Paper presented at the Annual Meeting of the World Federation of Scientists, Erice, Italy, August 19-24, 1998

“Thoughts on Monitoring and Verifying Soil Organic Sequestration, with an Emphasis on the Human Dimensions of the Problem.” Paper presented at the Pacific Northwest National Laboratory Carbon Sequestration Workshop, St. Michael’s, Maryland, December 2-5, 1998.

- 1999 “Forward to the Sustainability Transition: Principles from the Past that Inform the Present.” Invited lecture presented at Lund University, Sweden, June 2, 1999.

“The Perils and Potentials of Intensification in Nomadic Pastoral Development.” Invited lecture presented at Lund University, Sweden, June 2, 1999.

“Environmental Change in the Pastoral Lands of North Africa.” Paper presented at the 84th Annual Meeting of the National Council for Geographic Education, Boston, Massachusetts, November 5, 1999.

Papers (continued)

“Agriculture and Rural Land Use.” Paper presented at the “Teaching Advanced Placement Geography” Workshop of the 84th Annual Meeting of the National Council for Geographic Education, Boston, Massachusetts, November 6, 1999.

- 2000 (with Laurence Lewis) “Dynamics of Cranberry Production in Massachusetts.” Paper presented at the 96th Annual Meeting of the Association of American Geographers, Pittsburgh, PA, 6 April 2000.

(with Alexander B. Murphy) “Cultural Encounters with the Environment: Evolving and Enduring Geographic Themes.” Paper presented at the 96th Annual Meeting of the Association of American Geographers, Pittsburgh, PA, 7 April 2000.

- 2004 “The Social Dimensions of Desertification.” Paper presented at the Seven Challenges for Sustainability, Challenge No. 5: Desertification, Centre for Environmental Studies (MICLU), Lund University, Lund, Sweden, 27 October 2004.

Reviews

- 1975 Review of Wilbur Zelinsky, The Cultural Geography of the United States (Englewood Cliffs, N. J.: Prentice Hall, 1973), in *Historical Geography Newsletter*, V, No. 1 (Spring), pp. 58-61.

- 1976 Review of Claudio G. Segre, Fourth Shore: Italian Colonization of Libya (Chicago: University of Chicago Press, 1974), in *Journal of Historical Geography*, II, No. 4 (October), pp. 389-392.

- 1977 Review of Grace L. Powell, M. Margaret Geib, and Alex Spengler, Atlas of the Middle East (Dubuque, Iowa: Kendal/Hunt Publishing, 1975), in *Middle East Studies Association Bulletin*, XI, No. 2 (May 1), pp. 61-62.

Review of Ahmed A. Shamekh, Spatial Patterns of Bedouin Settlement in al-Qasim Region Saudi Arabia (Lexington, Kentucky: University of Kentucky, Department of Geography, 1975) in *Annals of the Association of American Geographers*, LXVII, pp. 293-295.

- 1979 Review of Y. Mundlak and S. F. Singer (eds.), Arid Zone Development: Potentialities and Problems (Cambridge, MA: Ballinger, 1977), in *Quarterly Review of Biology*, LIV (September), pp. 355-356.

Reviews (continued)

- 1983 Review of Michael E. Bonine, Yazd and Its Hinterland: A Central Place System of Dominance in the Central Iranian Plateau (Marburger Geographische Schriften, No. 83; Marburg/Lahn: Geographisches Institut der Universität Marburg, 1980), in *Middle East Studies Association Bulletin*, XVII, No. 1 (July), pp. 30-31.
- 1993 Review of Mette Bovin and Leif Manger, eds. Adaptive Strategies in African Arid Lands (Uppsala, Sweden: The Scandinavian Institute of African Studies (SIAS), 1990), in *Labour, Capital and Society*, XXVI, No. 1 (April), pp. 130-132.
- 2010 Review of Diana K. Davis. Resurrecting the Granary of Rome: Environmental History and French Colonial Expansion in North Africa (Athens: Ohio University Press, 2007), in *Annals of the Association of American Geographers* (forthcoming April 2010).

University Service

Freshman orientation and advisement (1973-present).

Member, Faculty Ad Hoc Committee on the Presidency (1973).

Member, Committee on Personnel, Subcommittee on Review of Tenured Faculty (1973-1974).

Member, International Studies Committee (1974-1975).

Member, Freshman-Sophomore Task Force (1974-1975).

Member, Undergraduate Academic Board (1975-1976).

Member, Government Department Search Committee (1975-1976).

Member, University Council (1977-1978).

Member, Local Arrangements and Program Committee, New England - St. Lawrence Valley Geographical Society, 1977 Annual Meeting.

Member, Undergraduate Academic Board (1979-1981).

Member (faculty representative), Clark University Alumni Council (1979-1985).

Member, Executive Committee, Clark University Alumni Council (1980-1985).

Member, Board of Trustees Physical Plant Committee (1981-1985).

University Service (continued)

Member, Faculty Steering Committee (1981-1983).

Director, Clark University Press and Member, University Press of New England Editorial Board (1984-1987).

Member, Faculty Review Committee (1986–1987; 1988–89).

Member, CECIL (Clark European Center in Luxembourg, now Leir Center in Luxembourg) Steering Committee, 1986–2008.

Acting Director, CECIL (Clark European Center in Europe, now Leir Center in Luxembourg), 1988-89.

Coordinator and Faculty Advisor, Luxembourg May Term, CECIL (1989–2008).

Chairman, CENTED (Center for Technology, Environment and Development) Space Committee (renovation of the Norcross Houses), 1988–1990.

Member, University Library Committee (1989–1992); Chairman, 1990–1992.

Member, Faculty Compensation Committee (1991–1994); Secretary, 1992–1993.

Member, COPACE (College of Professional and Continuing Education), Steering Committee, Teachers Center for Global Education (1992–1995).

Secretary, University Faculty (1997–2000).

Secretary, Faculty Steering Committee (1997–2000).

Member, Athletic Board: NCAA III representative (1999–2001).

Member, COPACE (College of Professional and Continuing Education), Advisory Board, Masters in Public Administration Program (1999–2001).

Advisor, Alpha Sigma chapter, Gamma Theta Upsilon (Geography National Honor Society), 1999–2005.

Member, Rights of Human Subjects Committee, 2000–2001.

Vice-President, Clark chapter of Phi Beta Kappa, 2000–2001.

Member, Clark University, Fulbright Screening Committee, 2002–2005.

University Service (continued)

Member, Institutional Animal Care Committee, 2002-2010.

Member, Academic Orientation "Tour Worcester" Group, 2004–2008.

Member, Map Library Users Committee, 2004–2010.

Member, Faculty Library Committee, 2005–2008.

Chair, Faculty Library Committee, 2006–2008.

Community Service

International Center of Worcester; Member of the Program (1974-1975) and Nominating (1975) Committees; Coordinator for and moderator of Great Decisions in U.S. Foreign Policy series (1974-1975); Chairman, Advisory Council (1975-1976); Board of Directors (1976-1978).

Member, Conservation Commission, Paxton, Massachusetts (1974-1977).

Member, Trinity Lutheran Church, Worcester, Massachusetts, Educational Assistance Fund Committee (1973-1980).

Member, Board of Directors, Regional Environmental Council (1976-1977).

Cooperative work with research and museum education staff at Old Sturbridge Village, Sturbridge, Massachusetts (1974-1988), including a staff study program in "Reading the Landscape: A Field Study in Landscape Interpretation" (May 1, 1976).

Member, Board of Directors, Worcester Heritage Preservation Society (1977-1982).

Member, Advisory Board, Peak Program, Worcester Public Schools (1985-1987).

Scholar in Residence, North High School, Worcester, Massachusetts (1987-1988).

Member, Committee on the Arts and Humanities, Alliance for Education, Worcester, Massachusetts (1992-1995).

Society Memberships

American Association of University Professors

American Geographical Society

Association of American Geographers

Fulbright Association

Middle East Studies Association

National Council for Geographic Education

National Geographical Society

Phi Beta Kappa

Preservation Worcester

Regional Environmental Council

World Federation of Scientists

References

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