

CURRICULUM VITAE
CHARLES L. REDMAN

Director, School of Sustainability
 Virginia M. Ullman Professor of Natural History and the Environment

School of Sustainability
Arizona State University
Box 875502
Tempe, Arizona 85287-5502
Ph: (480) 727-6963
Fax: (480) 965-8087
E-mail: charles.redman@asu.edu

School of Human Evolution & Social Change
Arizona State University
Box 872402
Tempe, Arizona 85287-2402
Ph: (480) 965-6215
Fax: (480) 965-7671
E-mail: charles.redman@asu.edu

EDUCATION

Ph.D. in Anthropology, 1971
 University of Chicago
 Chicago, Illinois

M.A. in Anthropology, 1969
 University of Chicago
 Chicago, Illinois

B.A. in Physical Sciences, 1967
 Harvard University
 Cambridge, Massachusetts

PROFESSIONAL EXPERIENCE**Teaching, Research, and Administrative Services**

2006-present	Director, School of Sustainability
2004-2007	Director, Julie Ann Wrigley Global Institute of Sustainability
2003-2005	Head, Consortium for the Study of Rapidly Urbanizing Regions
2000-present	Virginia M. Ullman Professor of Natural History and the Environment
1997-2004	Director of the Center for Environmental Studies, Arizona State University
1995-present	Director of the Archaeological Research Institute, Arizona State University
1986-1995	Chair of Anthropology, Arizona State University
1983-present	Professor of Anthropology, Arizona State University
1982-1983	Program Officer in Anthropology, The National Science Foundation
1982-1983	Professor of Anthropology, State University of New York at Binghamton
1974-1982	Associate Professor of Anthropology, State University of New York at Binghamton
1972-1974	Miller Institute for Research in Basic Science, Berkeley
1970-1972	Assistant Professor of Anthropology, New York University
1969-1970	Teaching Assistant, University of Chicago
1966-1967	Research Assistant, Peabody Museum, Harvard

Fellowships, Grants, Awards, and Contracts (All as principal investigator or co-director)

2006-2009	NSF International Project Office for Urbanization in Partnership with the International Human Dimensions Programme, \$516,520
2005-2009	BE/CNH: Urban Landscape Patterns: Complex Dynamics and Emergent Properties, \$430,740 (subcontract to ASU)
2005-2007	IGERT in Urban Ecology. National Science Foundation \$3,199,778
2004-2009	Decision Center for a Desert City. National Science Foundation \$6,900,000
2004-2010	Central Arizona-Phoenix Long-Term Ecological Research, Phase 2, National Science Foundation. \$4,919,954
2002-2006	BE/CNH: Agrarian Landscapes in Transition: A Cross-Scale Approach. National Science Foundation. \$1,792,440.
2002-2004	Spatial and Temporal Aspects of Resilience in Urban Systems. James S. McDonnell Foundation. \$448,442
2001-2004	Down to Earth Science: Graduate Teaching Fellows in K-12 Education. National Science Foundation. \$1.4 million
2001-2002	Biocomplexity: Incubation Activity - Toward a Unified Understanding of Human Ecosystems: Integrating Social Science into Long-Term Ecological Research. National Science Foundation. \$99,251
2000-2005	Integrative Graduate Education and Research Training in Urban Ecology.

National Science Foundation. \$2,698,494 + Supplement: International Collaborative Research Experience. National Science Foundation. \$59,700

1999 -2003 Biological Database & Informatics. National Science Foundation. \$720,491.

1998-2002 Teotihuacan Mapping Project. National Science Foundation. \$99,508

1997-2003 National Science Foundation. Central Arizona-Phoenix Long -Term Ecological Research Grant (\$4,300,000) and the following Supplements:
 Geoscience/Engineering \$175,000; General & Curation \$100,000;
 Education \$100,000; Connectivity \$149,000; General Collection \$85,000;
 Schoolyard (2) \$30,000; Research Experiences for Undergrads (2) \$30,000

1995- Central Arizona Project Repository, Bureau of Reclamation, Dept. of Interior, (\$6,200,000)

1995-1996 National Parks Service. Phoenix Indian School Mitigation (\$204,000)

1993-1995 Federal Land Exchange, Inc. Mitigation of Archaeological Sites III, Payson, Arizona (\$426,000)

1992-1994 Arizona Humanities Council general grant. Images from the Past (P3-1642-1008) (\$5,000)

1991-1993 William and Flora Hewlett Foundation. Indian Heritage Project. (\$50,000)

1989-1997 Lake Roosevelt Platform Mound Study. Bureau of Reclamation (9-CS-32-06230) (\$7,500,000)

1989-1990 Arizona Humanities Council general grant. Arizona: the Future of the Past (P6-958-222) (\$10,000)

1989-1990 National Park Service. Phoenix Indian School Study (CA-0430-9/8001) (\$40,000)

1989 USIA travel grant to participate in Biennale d' Archeologie, Tipasa, Algeria.

1989-1990 NEH planning grant. Developing an American Indian Institute (ES-2663-89) (\$25,000)

1988-1989 SHPO planning grants (three): Spur Cross, Awatovi, San Simon (\$15,000)

1988-1989 Pinnacle Peak Land Company. Archaeology of Pinnacle Peak Village (2 contracts and 2 grants) (\$50,000)

1984-1992 Federal Land Exchange, Inc. Mitigation of Archaeological Sites I and II, Payson, Arizona (6 contracts) (\$400,000).

1986-1989 J.R. Norton, Inc. Archaeology of Spur Cross Ranch (3 contracts) (\$40,000)

1982 Fulbright research fellowship into the study of Islamic Civilization

1980-1982 NSF research grant (BNS 80-02289) Urban and State Society in Medieval North Africa (\$100,000)

1979 NSF research grant (BNS 79-16389) to conduct pilot study for Phase II of the Qsar es-Seghir Project (\$3,000)

1977 NSF travel grant to attend international conference concerning Euphrates River Salvage Program, Ankara, Turkey

1974-1978 Smithsonian Foreign Currency grant for Qsar es-Seghir, Morocco (SF3-00091) (\$162,000)

1972-1973 NSF research project, Co-director of Cibola Archaeological Research Project, New Mexico (\$68,000)

1972-1973 NSF institutional research grant for New Mexico (NYU)

1968-1970 Ford Foundation archaeological traineeships (Turkey and Iran)

1967-1970 National Defense Education Act Title IV fellowship

1963-1967 Harvard National Scholarship

Off-Campus Academic Activities

2005-present Advisory Board, Association for the Advancement of Sustainability in Higher Education

2005-present Member, U.S. National Committee on the Scientific Committee on Problems of the Environment (SCOPE)

2003-present National Academies of Science Roundtable on Science and Technology for Sustainability Task Force on Rapid Urbanization (Co-Chair)

2002-present Resilience Alliance Member

2001-2004 International Science and Engineering Fair Board of Directors

2000-2002 Governor's Commission on Groundwater Management (Executive Board)

2000-present Water Resources Research Center Advisory Board (University of Arizona)

2000 Plenary Address, All Scientist Meeting, LTER.

1997-2006 Board of Trustees, The Nature Conservancy, Arizona Chapter (Vice-Chair, 1998-2006)

1997-1999 Biosphere 2, Earth Learning Center Advisory Committee

1997 School of American Research Fellowship Review Panel

1996-1999 Advisory Council, Wenner Gren Foundation and Chair 1998-1999

- 1996-present Board on Natural Resources, NASULGC
 1995 Nominated for President of American Anthropological Association
 1994 Chaired Plenary Session, Society for American Archaeology
 1993-1996 Governor's Advisory Council on Environmental Education (Chair 1994-1996)
 1993 Plenary Address, Southeast Archaeological Conference
 1992-Present Board of Directors, Southwest Center for Education and the Natural Environment (SCENE)
 President (1993-1994) and Vice-President (1992-1993)
 1992-1994 Arizona Archaeology Council President (1993-1994) and President elect (1992-1993)
 1991-2001 Board of Trustees member, Museum of Northern Arizona
 1990-1992 Governor's Task Force on Environmental Education
 1990 Arizona State Legislature Joint Study Committee on Irreplaceable Archaeological Sites
 1989 First Distinguished Lecturer in Archaeology, American Anthropological Association
 1987-1989 Steering Committee, Outdoor Recreation Plan, State of Arizona
 1987-1990 Publish *Hohokam News* (Newsletter of Public Interest in Archaeology), biannual, mailed circulation 4,500
 1986-1989 Archaeology Editor for *American Anthropologist*
 1986-1988 Chairman of the Archaeology Advisory Commission, State of Arizona (member 1989-1993)
 1986-1988 Selection Committee Chair, Distinguished Service Award, Society for American Archaeology
 1985 Nominated for President of the Society for American Archaeology
 1985 Oversight Committee Chair, Anthropology Program, National Science Foundation
 1984-1987 Arizona Archaeological Council, Executive Board
 1984-1990 Organized ten archaeological public open houses at Shoofly Village Ruins, Pinnacle Peak Village, Pueblo Grande, and Schoolhouse Point (18,000 total attendance)
 1984-1986 Director, ASU Archaeological Field School, Payson, Arizona
 1984 National Endowment for the Humanities, ARCE Fellowship Review Visiting Committee
 1981, 1983 Archaeological Institute of America, traveling lecturer
 1979-1981 Anthropology Advisory Panel, National Science Foundation
 1977-1978 Organized museum exhibits about results of Qsar es-Seghir Project, Musee des Qudiasis, Rabat, Morocco, May 1978; Musee de la Kasbah, Tangier, Morocco, May 1977-1978
 1976-1978 Director, SUNY Mediterranean Studies Program, Tangier, Morocco

PUBLICATIONS

Authored and Coauthored Books

- 1971 Watson, P.J., LeBlanc, S.A., Redman, C.L. *Explanation in Archaeology: An Explicitly Scientific Approach*. Columbia University Press, New York. (1974 *El metodo científico en arqueologica*. Alianza Universidad, Madrid, Spanish edition) 189 pp.
 1978 Redman, C.L. *The Rise of Civilization: From Early Farmers to Urbanized Society in the Ancient Near East*. W.H. Freeman Co., San Francisco. (1990, *Los Orígenes de la Civilización*. Editorial Crítica, Barcelona, Spanish edition) 367 pp.
 1984 Watson, P.J., LeBlanc, S.A., Redman, C.L. *Archaeological Explanation*. Columbia University Press, New York. 309 pp.
 1986 Redman, C.L. *Qsar es-Seghir: An Archaeological View of Medieval Life*. Academic Press, New York. 259 pp.
 1993 Redman, C.L. *People of the Tonto Rim: Archaeological Discovery in Arizona*. Smithsonian Institution Press, Washington. (Natural History Book Club selection) 214 pp.
 1999 Redman, C.L. *Human Impact on the Ancient Environment*. University of Arizona Press 239pp.

Edited Books

- 1973 *Research and Theory in Current Archaeology*. John Wiley and Sons, New York. 390 pp.
 1978 *Social Archaeology: Beyond Subsistence and Dating*, edited by C.L. Redman, M.J. Berman, E.V. Curtin, W.T. Langhorne, Jr., N.M. Versaggi, and J.C. Wanser, Academic Press, New York, 471 pp.
 1989 *Medieval Archaeology*, edited by Charles Redman, MTRS Press, Binghamton, New York. 306 pp.
 1990 *Perspectives on Southwest Prehistory*, edited by P. Minnis and C.L. Redman, Westview Press. 434 pp.
 1992 *Developing Perspectives on Tonto Basin Prehistory*. Anthropological Field Studies, edited by C.L.

- Redman, G. Rice and K. Pedrick, 98 pp.
- 2004 *The Archaeology of Global Change: The Impact of Humans on Their Environment*, edited by C.L. Redman, S. James, P.R. Fish and J. D. Rogers, Smithsonian Institution Press, Washington, DC., 292 pp.
- 2007 *Applied Remote Sensing for Urban Planning, Governance, and Sustainability*, edited by William Stefanov, Maik Netzband and Charles L. Redman, Springer, Berlin, 278 pp.
- In press *Politics and Power: Archaeological Perspectives on the Landscapes of Early States*, edited by S.E. Falconer and C.L. Redman, University of Arizona Press, Tucson, AZ, in press.

Technical Monographs

- 1986 *Small Site Variability in the Payson Region: The Flex Land Exchange*. Anthropological Field Studies No. 11. Edited by C.L. Redman and J. Hohmann. 297 pp.
- 1988 *Continuing Studies in the Payson Prehistory*. Anthropological Field Studies No. 21. Edited by J. Hohmann and C.L. Redman. 325 pp.
- 1990 *Awatovi Ruins of Antelope Mesa: Preservation and Development of Plans*. OCRM Report No. 78. Edited by C.L. Redman, S. James, D. Notarianni. 83 pp.
- 1991 *The Archaeology of Star Valley, Arizona*. Anthropological Field Studies No. 24. Edited by O. Lindauer, R.J. Bradley, C.L. Redman. 650 pp.
- 1993 *The Archaeology of Spur Cross Ranch*. Anthropological Field Studies No. 23. Edited by C.L. Redman and P. Minnis. 141pp.

Technical Reports

- 2007 Vajjhala, S., Krupnick, A., McCormick, E., Grove, M., McDowell, P., Redman, C.L., Shabman, L., Small, M. *Rising to the Challenge: Integrating Social Science into NSF Environmental Observatories*. Resources for the Future, Washington, D.C. September 2007.

Articles and Book Chapters

- 1970 Redman, Charles L. and P.J. Watson. Systematic, Intensive Surface Collection. *American Antiquity* 35:279-291.
- 1971 Braidwood, R.J., H. Cambel, P.J. Watson and C.L. Redman. Beginnings of Village-Farming Communities in Southeastern Turkey. *Proceedings of the National Academy of Sciences* 68:1236-1240.
- 1971 Nissen, H.J. and C.L. Redman. Preliminary Notes on an Archaeological Surface Survey in the Plain of Behbahan and the Lower Zureh Valley. *Bastan Chenassi va Honar-e Iran* 6:48-50.
- 1973 Redman, Charles L. Early Village Technology: A View Through the Microscope. *Paleorient*. II:249-261.
- 1973 Redman, Charles L. Multistage Fieldwork and Analytic Techniques. *American Antiquity*, 38:61-79.
- 1973 Redman, Charles L. Multivariate Approach to Understanding Changes in an Early Farming Community in Southeast Anatolia. In *Explanation of Culture Change*, C. Renfrew, editor. Duckworth, London. Pp. 717-724.
- 1973 Research and Theory in Current Archaeology: An Introduction. In *Research and Theory in Current Archaeology*, C.L. Redman, editor. John Wiley and Sons, New York. Pp. 5-20.
- 1974 Redman, Charles L. Archaeological Sampling Strategies. *Module in Anthropology*. Addison-Wesley, Reading, Mass. Module 55. Pp. 1-34.
- 1974 Braidwood, R.J., H. Cambel, B. Lawrence, R.B. Steward and C.L. Redman. Beginnings of Village-Farming Communities in Southeastern Turkey--1972. *Proceedings of the National Academy of Sciences* 71(2):568-572.
- 1974 Watson, P.J., S.A. LeBlanc, C.L. Redman. Practical Uses and Formal Interpretation of the Covering Law Model in Archaeology, *World Archaeology*, 6(2):125-132.
- 1974 Redman, Charles L. Toward an Effective Approach to Urban Societies. *Reconstructing Complex Society*, Charlotte Moore, editor. Henry N. Sawyer Co. Pp. 131-139.
- 1975 Redman, Charles L. Productive Sampling Strategies for Archaeological Sites, *Sampling in Archaeology*, J. Mueller, editor. Pp. 147-154.
- 1976 Redman, Charles L. Anthropological Archaeology in the Near East (Appendix II), *The Study of the Middle East*, L. Binder, editor. John Wiley and Sons, New York. Pp. 213-218.

- 1977 Redman, Charles L. Man, Domestication and Culture in Southwestern Asia, *Origins of Agriculture*, C.A. Reed, editor. Mouton Co., The Hague. Pp. 523-541.
- 1977 Redman, Charles L. The "Analytical Individual" and Prehistoric Site Variability, *The Individual in Prehistory*. J.N. Hill and J. Gunn, editors. Academic Press, New York. Pp. 41-53.
- 1978 Redman, Charles L. Mesopotamian Urban Ecology: The Systematic Context of the Emergence of Urbanism. In *Social Archaeology: Beyond Subsistence and Dating*, C.L. Redman, et al. editors. Academic Press, New York. Pp. 329-348.
- 1978 Redman, Charles L. Multivariate Artifact Analysis: A Basis for Multidimensional Interpretations. In *Social Archaeology: Beyond Subsistence and Dating*, C.L. Redman, et al., editors. Academic Press, New York. Pp. 159-192.
- 1978 Redman, Charles L. Qsar es-Seghir: An Islamic Port and Portuguese Fortress. *Archaeology* 31:12-23.
- 1978 Redman, C.L., R. Anzalone and P. Rubertone. Qsar es-Seghir: Note on Three Seasons of Excavation. *Storia della citta* 7:10-11.
- 1978 Redman, C.L., R. Anzalone and P. Rubertone. Qsar es-Seghir: Three Seasons of Excavation. *Bulletin D'Archeologie Marocaine* XI:151-195.
- 1978 Redman, C.L., Curtin, Versaggi, and Wanser. Social Archaeology: The Future of the Past. In *Social Archaeology: Beyond Subsistence and Dating*, C.L. Redman et al., editors. Academic Press, New York. Pp. 1-18.
- 1979 Redman, C.L. Description and Inference with the Late Medieval Pottery from Qsar es-Seghir, Morocco. *Medieval Ceramics* 3:63-79.
- 1979 Redman, C.L., R. Anzalone, P. Rubertone. Medieval Archaeology at Qsar es-Seghir, Morocco. *Journal of Field Archaeology* 6(1):1-16.
- 1979 Boone, J. and C.L. Redman. Qsar es-Seghir (Alcacer Ceguer): An Early Portuguese Colony in North Africa Studies. *Studia*. 41/42:1-79.
- 1980 Redman, C.L. Archaeology in the Medieval Cities of Islam. *Middle East Studies Association Bulletin* XIV(2):1-22.
- 1980 Watson, P.J., S.A. LeBlanc and C.L. Redman. Aspects of Zuni Prehistory. *Journal of Field Archaeology* 7:201-218.
- 1980 Redman, C.L. and R. Anzalone. Discovering Architectural Patterning at a Complex Site. *American Antiquity* 45(2):284-290.
- 1980 Redman, C.L., J. Boone and E. Myers. Fourth Season of Excavations at Qsar es-Seghir. *Bulletin D'Archeologie Marocaine* XII:263-284.
- 1980 Redman, C.L. Late Medieval Ceramics from Qsar es-Seghir. In *La Ceramique Medievale en Mediterranee Occidentale; IX^e-XV^e Siecles*, Demains De' Archambaud and Picon, editors. C.N.R.S., Paris. Pp. 251-264.
- 1981 Redman, C.L. and J.E. Myers. Interpretation, Classification, and Ceramic Production: A Medieval North African Case Study. In *Production and Distribution: A Ceramic Viewpoint*, E. Morris and H. Howard, editors. British Archaeological Reports No. 120. Pp. 285-307.
- 1982 Redman, C.L. and J. Boone. Alternate Pathways to Urbanism in the Medieval Maghreb. *Comparative Urban Research* IX(1):28-38.
- 1982 Redman, C.L. Archaeological Survey and the Study of Mesopotamian Urban Systems. *Journal of Field Archaeology* 9:375-382.
- 1982 Redman, C.L. The Cayonu Chipped Stone Industry: The 1968 and 1970 Excavation Seasons. In *Prehistoric Village Archaeology in Southeastern Turkey*, Braidwood and Braidwood, editors. *British Archaeological Reports* No. 138, Pp. 17-71.
- 1982 Redman, C.L. The Role of Italian Tradeware in an Early 16th Century North African Colony. *Archeologia Medievale* IX:227-236.
- 1983 Redman, C.L. An Approach to the Interpretation of Ancient Ceramics. *Faenza* LXIX(3-4):217-239.
- 1983 Redman, C.L. Comparative Urbanism in the Islamic Far West. *World Archaeology* 14(3):355-377.
- 1983 Redman, C.L. Regularity and Change in the Architecture of an Early Village. In *The Hilly Flanks: Essays on the Prehistory of Southwestern Asia*, T.C. Young, Jr., P.E.L. Smith, and P. Mortensen, editors.
- 1984 Redman, C.L. Survey and Test Excavation of Six Medieval Islamic Sites in Northern Morocco. *Bulletin D'Archeologie Marocaine* XV:311-350.

- 1986 Redman, C.L. Methods Used to Compare Islamic Assemblages from Northern Morocco. In *Segundo Coloquio Internacional de Cerámica Medieval en el Mediterráneo Occidental*, J. Zozoya, editor. Pp. 11-19.
- 1987 Redman, C.L. Surface Collection, Sampling, and Research Design: A Retrospective. *American Antiquity* 52(2):249-265.
- 1989 Redman, C.L. Archaeology Returns to the Public. *Native Peoples* 2(3):28-33.
- 1990 Boone, J., J. Myers and C.L. Redman. Archaeological Approaches to Complex Society: The Islamic States of North America. *American Anthropologist* 92(3):630-646.
- 1990 Redman, C.L. Mathematical Sampling in Archaeological Excavation. In *III Ciclo di Lezioni sulla Ricerca Applicata in Campo Archeologico*, Siena 1989, Edizioni all' Insegna del Giglio, Firenze, R. Francovich et al., editors. Siena.
- 1991 Redman, C.L. In Defense of the Seventies: The Adolescence of New Archeology. *American Anthropologist*, 93(2):295-307.
- 1991 Redman, C.L. The Comparative Context of Social Complexity. In *Chaco and Hohokam Prehistoric Regional Systems in the American Southwest*, P. Crown and J. Judge, editors. SAR Press, Santa Fe. Pp. 277-292.
- 1992 Redman, C.L. Power in the Past. *Native Peoples*, 5(4): Pp.18-25
- 1992 Redman, C.L. The Impact of Food Production: Short-Term Strategies and Long-Term Consequences. In *Human Impact on the Environment: Ancient Roots, Current Challenges*, J. Jacobsen and J. Firor, editors. Westview Press, Boulder. Pp. 35-49.
- 1993 Rice, G. and C.L. Redman. Platform Mounds of the Arizona Desert: An Experiment in Organizational Complexity. *Expedition*, 35(1):53-63.
- 1994 Redman, C.L. Mesopotamia and the First Cities. In *Old World Civilizations: The Rise of Cities and States*, Goran Burenhalt, editor Harper Collins, San Francisco. Pp. 16-37.
- 1996 Redman, C.L. Adding Content to Patterns: Comments on Geographic and Demographic Scales in the Ancient Southwest. In *Interpreting Southwestern Diversity: Underlying Principles and Overarching Patterning*. P. Fish and J. Reid, editors. Anthropological Research Papers No. 48, Arizona State University, Tempe. Pp. 15-118.
- 1998 Redman, C.L. Sources of Power in the Past: Platform Mounds in Central Arizona. In *Light on Top of the Black Hill: Studies Presented to Halet Cambel*, Karatepe` deki Isik, Halet Cambel'e Sunulan Yazilar, editors. Ege-Yayinlar, Arslanyatgi Sok. 35/2, Cihangir 80060 Istanbul-Turkey, Pp. 653-662.
- 1999 Redman, C.L. Human Dimensions of Ecosystem Studies. *Ecosystems*. Springer-Verlag. 2:296-298.
- 1999 Redman, C.L. The Development of Archaeological Theory: Explaining the Past. In *Companion Encyclopedia of Archaeology*. Graeme Barker, editor. Pp 48-80. Rutledge Publishers.
- 1999 Redman, C.L. Environmental Degradation of the "Uruk Countryside." In *Fluchtpunkt Uruk: Archaologie, Einheit Aus Methodischer Viewfalt*. Pp 73-80. H. Kuhne, R. Bernbeck, and K. Bartl, editors.
- 2000 Redman, C.L. Social Dynamics in the Tonto Basin. J. Dean, editor. In *Salado*. University of New Mexico Press, pp. 315-319.
- 2000 Rice, G. and C.L. Redman. Compounds, Villages, and Mounds: The Salado Alternative. In *The Hohokam Village Revisited*. D. E. Doyel, S. K. Fish, and P. R. Fish, editors .Pp. 317-344.
- 2000 Grimm, N.B., J.M. Grove, S.T.A. Pickett and C.L. Redman. Understanding the Ecology of Urban Areas. *BioScience* 50:571-584.
- 2000 Redman, C.L. The Human Factor in Paleoclimate. *Pages Newsletter* 2000-3: 4-5.
- 2002 van der Leeuw, S. and C.L. Redman. Placing Archaeology at the Center of Socio-Natural Studies, *American Antiquities*, 2002, 67(4): Pp 597-605.
- 2003 Redman, C.L. Archaeology for a New Millennium, *Theory and Practice in Mediterranean Archaeology: Old World and New World Perspectives*. 2003. Cotsen Institute of Archaeology, University of California, Los Angeles. Pp 109-114.
- 2003 Fink, J., F. Steiner, N.B. Grimm and C. Redman. Greater Phoenix 2100: Building a National Urban Environmental Research Agenda, *Earth Science in the City*. G. Heiken, R. Fabundiny and J. Sutter, editors. 2003. American Geophysical Union, Washington DC. Pp 413-426.
- 2003 Hope, D., C. Gries, W. Zhu, W. Fagan, C. L. Redman, N. B. Grimm, A. L. Nelson, C. Martin and A. Kinzig. Socioeconomics Drive Urban Plant Diversity, *PNAS*. 100(15):8788-8792.

- 2003 Redman, C.L. and A. Kinzig. Resilience of Past Landscapes: Resilience Theory, Society and the
Longue Durée. *Conservation Ecology*, 7(1):14. <http://www.consecol.org/vol7/iss1/art4>
- 2004 Human Impacts on Past Environments. In *The Archaeology of Global Change: The
 Impact of Humans on Their Environment*. C. L. Redman, S. R. James, P. R. Fish,
 and J. D. Rogers, editors. Smithsonian Books, Washington DC. Pp. 1-8.
- 2004 Redman, C.L. Effects of Agriculture and Urban Society. *The Archaeology of Global
 Change: The Impact of Humans on Their Environment*. Smithsonian Books,
 Washington DC. Pp. 89-93.
- 2004 Redman, C.L. Environmental Degradation and Early Mesopotamian Civilization. *The
 Archaeology of Global Change: The Impact of Humans on Their Environment*. Smithsonian
 Books, Washington DC. Pp. 158-164.
- 2004 Redman, C.L., J.M. Grove, and L. Kuby. Integrating Social Science into the Long-Term
 Ecological Research (LTER) Network: Social Dimensions of Ecological Change and
 Ecological Dimensions of Social Change. *Ecosystems*, 7(2):161-171.
- 2004 Grimm, N.B. and C.L. Redman. Approaches to the Study of Urban Ecosystems: The case of
 Central Arizona-Phoenix. *Urban Ecosystems*. 7(3):199-213. September 2004.
- 2005 Redman, C.L. *Population, Land Use, and Environment, Chapter 7: The Urban Ecology
 of Metropolitan Phoenix: A Laboratory for Interdisciplinary Study*, the National
 Academies of Science, Washington, D.C. Pp. 163-192.
- 2005 Redman, C.L. Resilience in Archaeology. *American Anthropology*, 107(1):70-77.
- 2005 Redman, C.L. and N. Jones. The Environmental, Social and Health Dimensions of Urban
 Expansion. *Population and Environment*, 2005, Springer Science+Business
 Media, Inc.
- 2005 Larson, Elisabeth K., Nancy B. Grimm, Patricia Gober and Charles L. Redman. 2005.
 The
 Paradoxical ecology and management of water in the Phoenix, USA metropolitan area.
Ecology and Hydrobiology, 5(4): 287-296.
- 2006 Alberti, M., C.L. Redman, J. Wu, J. Marzluff, M. Handcock, J.M. Anderies, P. Waddell, D. Fox,
 H. Kautz and J. Hepinstall. Urban Landscape Patterns and Global Environmental Change:
 Complex Dynamics and Emergent Properties, *IHDP Newsletter*, February 2006, pp. 5-6.
- 2006 Haberl, H, V. Winiwarter, K. Andersson, R. Ayres, C. Boone, A. Castillo, G. Cunfer, M. Fisher-
 Kowalski, W. Freudenburg, E. Furman, R. Kaufmann, F. Krausmann, E. Langthaler,
 H. Lotze-Campen, M. Mirtl, C.L. Redman, A. Reenberg, A. Wardell, B. Warr,
 H. Zechmeister. From LTER to LTSE: Conceptualizing the socio-economic dimension of
 long-term socio-ecological research. *Ecology and Society*, ES-2006-1671, [online] URL:
<http://www.ecologyandsociety.org/vol11/iss2/>.
- 2006 Lewis, D.B., J.P. Kaye, C. Gries, A.P. Kinzig and C.L. Redman. Agrarian legacy in soil nutrient
 pools of urbanizing arid lands. *Global Change Biology*, 12: 703-709.
- 2006 Redman, C.L. Urban Land-Use Patterns: Past, Present, and Future. In *Managing Archaeological
 Data: Essays in Honor of Sylvia W. Gaines*. Edited by Jeffrey L. Hantman & Rachel Most.
 Arizona State University Anthropological Research Papers No. 57, pp. 65-70.
- 2006 Cumming, G.S., D.H.M. Cumming, and C.L. Redman. Scale mismatches in social-
 ecological systems: causes, consequences, and solutions. *Ecology and Society* 11(1): 14.
 [online] URL: <http://www.ecologyandsociety.org/vol11/iss1/art14/>.
- 2006 Cumming, G.S., D.H.M. Cumming, and C.L. Redman. Scale mismatches in social-
 ecological systems: causes, consequences, and solutions. In *Exploring Resilience in Social-
 Ecological Systems*. Edited by B.H. Walker, J.M. Anderies, A.P. Kinzig and P. Ryan. CSIRO
 Publishing, Collingwood, Australia, pp. 23-40.
- 2006 Kinzig, A.P. and C.L. Redman. Phoenix, Arizona, USA. In *Exploring Resilience in Social-
 Ecological Systems*. Edited by B.H. Walker, J.M. Anderies, A.P. Kinzig and P. Ryan. CSIRO
 Publishing, Collingwood, Australia, pp. 191-192.
- 2006 Larson, E.K., N.B. Grimm, P. Gober and C.L. Redman, The paradoxical ecology and management
 of water in the Phoenix, USA metropolitan area. *Ecology and Hydrobiology*, 5(4): 287-
 296.
- 2007 Keys, E., E. Wentz and C.L. Redman. The Spatial Structure of Land Use from 1970-2000 in the
 Phoenix, Arizona Metropolitan Area. *The Professional Geographer*, 59(1): 131-147.

- 2007 Redman, C.L., C.L. Crumley, F. Hassan, F. Hole, J. Morais, F. Riedel, V.L. Scarborough, J.A. Tainter, P. Turchin and Y. Yasuda. Chp. 9 Group Report: Millennial Perspectives on the Dynamic Interaction of Climate, People, and Resources. R. Costanza, L.J. Graumlich, and W. Steffen, eds. *Sustainability or Collapse? An Integrated History and Future of People on Earth*. Cambridge MA: The MIT Press.
- 2007 Casagrande, D. G., D. Hope, E. Farley-Metzger, W. Cook, S. Yabiku, and C. Redman. Problem and opportunity: Integrating anthropology, ecology, and policy through adaptive experimentation in the urban American Southwest. *Human Organization*, **66**(2):125-139.
- 2007 Costanza, R., W. Steffen, K. Hibbard, C. Crumley, R. Leemans, L. Graumlich, J. Dearing, C.L. Redman and D. Schimel (Lead Authors); Cutler J. Cleveland (Topic Editor). 2007. "Evolution of the human-environment relationship." In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [Published September 15, 2007; Retrieved September 20, 2007]. http://www.eoearth.org/article/Evolution_of_the_human-environment_relationship
- 2007 McDonald, R.I., C. Yuan-Farrell, C. Fievet, M. Moeller, P. Kareiva, D. Foster, T. Gragson, A. Kinzig, L. Kuby, and C. Redman. Estimating the Effect of Protected Lands on the Development and Conservation of Their Surroundings. *Conservation Biology*, **21**(6): 1526-1536. Online. doi:10.1111/j.1523-1739.2007.00799.x.
- 2007 Costanza, Robert, Lisa Graumlich, Will Steffen, Carole Crumley, John Dearing, Kathy Hibbard, Rik Leemans, Charles Redman and David Schimel. Sustainability or Collapse: What Can We Learn from Integrating the History of Humans and the Rest of Nature? *Ambio*, **36**(7): 522-527.
- 2007 Liu, Jianguo, Thomas Dietz, Stephen R. Carpenter, Marian Alberti, Carl Folke, Emilio Moran, Alice N. Pell, Peter Deadman, Timothy Kratz, Jane Lubcheco, Elinor Ostrom, Zhiyun Ouyang, William Provencher, Charles L. Redman, Stephen H. Schneider, William W. Taylor. Complexity of Coupled Human and Natural Systems, *Science*, **317**:1513-1516.
- 2007 Liu, Jianguo, Thomas Dietz, Stephen R. Carpenter, Marian Alberti, Carl Folke, Emilio Moran, Alice N. Pell, Peter Deadman, Timothy Kratz, Jane Lubchenco, Elinor Ostrom, Zhiyun Ouyang, William Provencher, Charles L. Redman, Stephen H. Schneider, William W. Taylor. Coupled Human and Natural Systems, *Ambio*, **36**(8): 639-649.
- 2007 Redman, C.L., M. Nelson and A. Kinzig. The Socio-Natural Connection: Integrating Archaeology and Environmental Studies. In, *The Resilience of Socio-Ecological Landscapes-Lessons from the Hohokam*. University of Arizona Press. Submitted.
- 2008 Grimm, N.B., S.H. Faeth, N.E. Golubiewski, C.L. Redman, J. Wu, X. Bai and J.M. Briggs. 2008. Global Change and the Ecology of Cities. *Science*, **359**: 756-760.
- 2008 Gober, P., C.L. Redman, T. Lant and A. Wutich. In Review. WaterSim: Integrated Modeling, Decision Support and Boundary Science. Population and Environment.
- 2008 Miller, Thaddeus R., Timothy D. Baird, Caitlin M. Littlefield, Gary P. Kofinas, F. Stuart Chapin III, and Charles L. Redman. "Epistemological Pluralism: Reorganizing Interdisciplinary Research." Submitted to *Ecology & Society*, April 21, 2008.