

Anthropology 557

ARCHAEOLOGICAL THEORY AND METHOD

"THE ARCHAEOLOGY OF LANDSCAPES"

Spring 2005

PROFESSOR:

Dr. Clark Erickson
435 University Museum
cerickso@sas.upenn.edu
215-898-2282

DESCRIPTION: Anth 557: *Archaeological Theory and Method: The Archaeology of Landscapes* (crosslisted as AAMW-557 and LTAM-557) is a seminar for advanced undergraduate and graduate students.

CLASS MEETINGS: Mondays 2:00-4:50pm, Room 329 Museum.

OFFICE HOURS: Room 435, University Museum Thursdays and Fridays 3:00 - 5:00 pm & by appointment. I will be available during office hours and after class if you have any questions regarding the course material, the department's program in anthropology, or archaeology in general. You can also see me after class and by appointment if office hours conflict with your schedule. Messages can be left in my mailbox in Department of Anthropology or contact me by email.

COURSE HOMEPAGE: A homepage for this course can be found on the web address <http://www.sas.upenn.edu/~cerickso/land/Anth557.html>. This website will include graphics, digital images, updates on the course syllabus, additional bibliographic readings, news related to the course, and schedules of lectures, conferences, and symposia relating to the Archaeology of Landscapes. The site also includes links to other on-line Web sites of interest to students this course. I recommend saving the address as a "bookmark" in your browser's menu to provide easy access to the page. I encourage all students to explore the Web for issues related to the Archaeology of Landscapes.

LECTURE CLASSES: Mondays, 2:00 – 5:00pm, Room 329, University of Pennsylvania Museum.

REQUIRED TEXTBOOKS: available at House of Our Own Bookstore, 3920 Spruce Street, Philadelphia, PA 19104, tel. (215) 222-1576.

Bender, Barbara

1998 *Stonehenge: Making Space*. Berg, Oxford.

Tilley, Christopher

1994 *A Phenomenology of Landscape: Places, Paths and Monuments*. Berg, Oxford.

Lansing, J. Stephen

1991 *Priests and Programmers: Technologies of Power in the Engineered Landscape of Bali*. Princeton U. Press, Princeton.

REQUIRED BULKPACK READER: Available as a paper copy for purchase at the Copy Center, 166 Weiss Tech House, Levine Hall (formerly GRW) near the corner of 33rd and Walnut Streets. Please note that the Copy Center has limited hours in the morning and afternoon and only accepts cash for purchase.

2005 *Anthropology 557: The Archaeology of Landscapes*. Department of Anthropology, University of Pennsylvania.

COURSE CONTENT:

This semester, the course "Seminar: Archaeological Theory and Method" is intended to be an in depth survey of the *Archaeology of Landscapes* (or *Landscape Archaeology*) using readings and case studies from diverse fields such as ethnography, ethnoarchaeology, experimental archaeology, ethnohistory, archaeoastronomy, history, botany, agriculture, cultural geography, ecology, rural sociology, in addition to prehistoric, and historical archaeology. This is a course for graduate students in the Department of Anthropology, but may also be appropriate for graduate students of other departments and advanced undergraduates. Some prior archaeological coursework is a prerequisite for this course (preferably Anthropology 600 *Fundamentals of Archaeology*). A general understanding of basic archaeological and anthropological concepts and archaeological fieldwork experience would also be useful.

Traditionally, archaeological research has focused on the "site" or "sites." Regional investigation tends to stress settlement pattern and settlement system determined through archaeological site survey. This seminar will stress the space between the sites or "points" on the landscape. Most previous attempts at "landscape archaeology" tended to focus on the relationship of sites and the natural environment. This course will highlight the cultural, "anthropogenic," or "built environment"--in this case human modification and transformation of the natural landscape in the form of pathways, roads, causeways, monuments, walls, agricultural

fields and their boundaries, gardens, astronomical and calendrical alignments, and water distribution networks. Features will be examined in terms of the "social logic" or formal patterning of cultural space. These can provide insights into indigenous structures such as measurement systems, land tenure, social organization, cosmology, calendrics, astronomy, cognition, and ritual practices. Ethnographic, ethnohistorical, and archaeological case studies will be investigated from both the Old and New Worlds.

Because of the massive amount of material relating to the theme of Archaeology of Landscapes and the limited amount of time available during the semester, the course coverage will be selective, not exhaustive.

The format of the seminar will be primarily discussion. Each week, a series of articles and book chapters will be read, presented, and discussed. Assigned groups of students will be responsible for organizing the discussion of the readings for each week. During the last weeks of the semester, each student will be required to read and prepare summaries and commentary on another student's seminar paper.

REQUIRED READINGS:

This is an upper level undergraduate and graduate level course. The course covers a lot of material, thus there are many required readings. Three required textbooks have been assigned. A "bulk pack reader" has been assembled for this course, which includes a number of important articles on the Archaeology of Landscapes. This will be available for purchase at the Copy Center, 166 Weiss Tech House, Levine Hall (formerly GRW) near the corner of 33rd and Walnut Streets (10:00-12:00am; 2:00-5:00pm; cash only). Weekly reading assignments will come from the textbooks and the reader. This is a combined upper level undergraduate and graduate level seminar and I expect students do the readings and come prepared to discuss them in class. A reading syllabus will be provided and may be periodically updated throughout the semester.

SEMINAR PAPERS:

Each participant of the seminar will be required to write a major research paper on a topic of the student's choice relating to the Archaeology of Landscapes. I must approve each student's topic. Please select a topic early in the semester and begin your research and writing soon afterwards. The dates for an introductory essay defining the Archaeology of Landscapes, the seminar paper outline, completed draft version and final version of the paper are listed in the Reading Syllabus (below). A schedule of in-class discussions of each paper will be set by mid-semester. Discussants will present the seminar papers in December. The seminar research paper will be prepared according to the following schedule.

Topic, Title, and Abstract: Students will prepare and turn in a tentative title and 300-word

abstract of the seminar paper. The research topic must be pre-approved by the professor. Title and Abstract are due February 7.

Introductory Essay on Landscape Archaeology: Students will prepare and turn in a brief 5-6 page essay on the Archaeology of Landscapes (discussing definitions of landscapes and other important concepts, boundaries of the field, issues of scale, methods and theory, and relevant bibliography, plus a revised 300 word abstract of the seminar paper). This abstract and essay will be incorporated into the student's seminar paper as an introductory statement. Abstract and Essay are due February 21.

Detailed outline of the seminar paper: Students will write a detailed outline of the seminar paper which is due March 21

Formal Presentation of Seminar Paper: A "complete as possible" draft version of the seminar paper is due in the final weeks of the semester (beginning November 18; specific date for each draft will depend on the assigned date for each discussion presentation—see Summary Syllabus below). Each student is responsible for providing copies to all seminar participants one week before the paper is presented and discussed. A "designated discussant" will be assigned to each paper. The designated discussant's job is to present a brief, concise summary of the seminar paper and a critical evaluation/review of the paper (approximately 10-15 minutes). Following the discussant's presentation, the author will be allowed to address issues and questions raised by the discussant. Afterwards, the discussion of each paper is open to all seminar participants.

Final Version of the Seminar Paper: Each seminar participant must give the authors prompt feedback (preferably written) on their draft papers (which can include general editing comments, corrections on spelling, additional references, major and minor critiques of content and figures, etc.). Based on this constructive criticism, a final version of the paper is prepared and 2 copies are turned in during the exam week. Students will also make copies of their final paper available to each seminar participant. Final paper is due September 16, [September 20 at the latest date that I can submit a grade].

Seminar paper must include an abstract and must use the style guide of the journal American Antiquity (see October 1992 issue; vol 57, pages 749-770 or on line guide www.saa.org click on "Publications" and "Guide for Authors"). Drafts and Final Papers should be double-spaced and use 12pt font.

GRADING: Grading will be based on participation in discussions, in-class presentations of readings, performance as a formal discussant of a peer's draft seminar paper, and final write-up of a seminar paper. The various versions of the research paper must be turned in on the deadlines or the seminar schedule will be seriously disrupted.

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Spring 2005

Professor Clark L. Erickson

SUMMARY SYLLABUS

[tentative]

January 9: INTRODUCTION TO THE SEMINAR

January 17: **Martin Luther King Holiday** (no classes at Penn)

January 24: THE ARCHAEOLOGY OF SITES AND THE ARCHAEOLOGY OF LANDSCAPES: CONTRASTING PERSPECTIVES

January 31: HISTORICAL ECOLOGY; ISSUES OF SCALE AND BOUNDARY, AND LANDSCAPE DYNAMICS

February 7: THE EXPERIENCED LANDSCAPE

METHODOLOGY I: AERIAL PHOTOGRAPHIC INTERPRETATION, GROUND SURVEY, TOPOGRAPHIC MAPPING, AND EXCAVATION OF LANDSCAPE FEATURES.

Topic, Title and 100-300 word Abstract of Seminar Paper due

February 14: COMPLEX LANDSCAPES AND LANDSCAPES OF POWER

February 21: THE ANTHROPOGENIC LANDSCAPE; MYTH OF THE PRISTINE ENVIRONMENT; MYTH OF THE NOBLE SAVAGE; NATURAL VS. CULTURAL LANDSCAPES.

Revised Abstract and 5-6 double spaced essay on Definition of the Archaeology of Landscapes due.

February 28: READING THE LANDSCAPE I: PLACES, SOCIAL SPACE, SACRED LANDSCAPES, MOUNDS, AND MEGALITHS.

March 7: **Spring Break**

March 14: READING THE LANDSCAPE II: GARDENS, FIELDS, VERNACULAR LANDSCAPES, AGRARIAN HOUSEHOLDS AND COMMUNITIES

March 21: METHODOLOGY II: GEOGRAPHIC INFORMATION SYSTEMS, DIGITAL ELEVATION MODELS, AND VIRTUAL REALITY.

Detailed Outline of Seminar Paper Due

March 28: ROADS AND COMMUNICATION NETWORKS.

April 4: SACRED, RITUAL, AND COSMIC LANDSCAPES, AXIS MUNDI, ALIGNMENTS AND ORIENTATIONS, BODY METAPHORS, AND ARCHAEOASTRONOMY

Draft versions of paper to be presented April 11 due:

April 11: STUDENT PRESENTATIONS

Draft versions of paper to be presented April 18 due:

April 18: STUDENT PRESENTATIONS

April 30: Final Version of Edited Seminar Papers due

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ARCHAEOLOGICAL THEORY AND METHOD

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Spring 2005

Professor Clark L. Erickson

COURSE SYLLABUS: READINGS

[tentative]

January 9: INTRODUCTION TO THE SEMINAR

January 17: **Martin Luther King Holiday** (no classes at Penn)

January 24: THE ARCHAEOLOGY OF SITES AND THE ARCHAEOLOGY OF
LANDSCAPES: CONTRASTING PERSPECTIVES

Text:

Bender, Barbara 1998 Stonehenge: Making Space. Berg, Oxford. Introduction and Chapter 1.

Reader:

Deetz, James 1990 Landscapes as Cultural Statements. In Earth Patterns: Essays in Landscape Archaeology. edited by William M. Kelso and Rachel Most, University Press of Virginia, Charlottesville, pp. 1-4.

Knapp, A. Bernard, and Wendy Ashmore 1999 Archaeological Landscapes: Constructed, Conceptualized, Ideational. IN Archaeologies of Landscape: Contemporary Perspectives. Edited by W. Ashmore and A. Bernard Knapp, Blackwell, Oxford, pp. 1-32.

Dunnell, Robert C. 1992 The Notion Site. In Space, Time, and Archaeological Landscapes. edited by Jacqueline Rossignol and LuAnn Wandsnider, Plenum Press, New York, pp. 21-41.

Fotiadis, Michael 1992 Units of Data as Deployment of Disciplinary Codes. In Representations in Archaeology. edited by Jean-Claude Gardin and Christopher Peebles, Indiana U. Press, Bloomington, pp. 132-148.

January 31: HISTORICAL ECOLOGY; ISSUES OF SCALE AND BOUNDARY, AND

LANDSCAPE DYNAMICS

Reader:

Stafford, C. Russell 1995 Geoarchaeological Perspectives on Paleolandscapes and Regional Subsurface Archaeology. Journal of Archaeological Method and Theory. 2(1):69-104.

Winterhalder, Bruce 1994 Concepts in Historical Ecology: The View from Evolutionary Biology. In Historical Ecology: Cultural Knowledge and Changing Landscapes. edited by Carole Crumley, School of American Research, Santa Fe, pp. 17-41.

Crumley, Carole and William H. Marquardt 1990 Landscape: A Unifying Concept in Regional Analysis. In Interpreting Space: GIS and Archaeology. edited by Kathleen Allen, Stanton Green and Ezra Zubrow, Taylor and Francis, London, pp. 73-79.

Crumley, Carole L. 1994 Historical Ecology: A Multidimensional Ecological Orientation. In Historical Ecology: Cultural Knowledge and Changing Landscapes. edited by Carole Crumley, School of American Research, Santa Fe, pp. 1-16.

Lawrence, D. S. and S. M. Low 1990 The Built Environment and Spatial Form. Annual Review of Anthropology. 19:453-505.

February 7: THE EXPERIENCED LANDSCAPE

METHODOLOGY I: AERIAL PHOTOGRAPHIC INTERPRETATION, GROUND SURVEY, TOPOGRAPHIC MAPPING, AND EXCAVATION OF LANDSCAPE FEATURES.

Topic, Title and 300 word Abstract of Seminar Paper due.

Texts:

Tilley, Christopher 1994 A Phenomenology of Landscape: Places, Paths and Monuments. Berg, Oxford. Part 1; Chapters 1-2.

Bender, Barbara 1998 Stonehenge: Making Space. Berg, Oxford. Chapters 2 and 3.

Reader:

Ingold, T. 1993 The Temporality of the Landscape. World Archaeology 25(2):152-174.

Anschuetz, Kurt L., Richard H. Wilshusen, and Cherie Scheick 2001 An Archaeology of Landscapes: Perspectives and Directions. Journal of Archaeological Research 9(2):157-211.

Tilley, Christopher 2004 Chapter 1: From Body to Place in Landscape. A Phenomenological

Perspective. IN The Materiality of Stone: Explorations in Landscape Phenomenology. Berg, Oxford, pp. 1-31.

February 14: COMPLEX LANDSCAPES AND LANDSCAPES OF POWER

Text:

Lansing, Stephen 1991 Priests and Programmers (whole book)

Bender, Barbara 1998 Stonehenge: Making Space. Berg, Oxford. Chapter 4-8 (skim)

February 21: THE ANTHROPOGENIC LANDSCAPE; MYTH OF THE PRISTINE ENVIRONMENT; MYTH OF THE NOBLE SAVAGE; NATURAL VS. CULTURAL LANDSCAPES.

Revised Abstract and 5-10 page double spaced essay on Definition of the Archaeology of Landscapes due

Reader:

Balée, William 1998 Historical Ecology: Premises and Postulates. In Advances in Historical Ecology. Edited by William Balée, Columbia University Press, New York, p.13-29.

Balee, William and Clark L. Erickson 2005 Introduction: Time and Complexity in Historical Ecology. IN Time and Complexity in Historical Ecology: Studies from the Neotropical Lowlands. Edited by William Balee and Clark Erickson, Columbia University Press, New York.

Denevan, William M. 1992 The Pristine Myth: The Landscapes of the Americas in 1492. Association of American Geographers 82(3):369-385.

Stahl, Peter W. 1996 Holocene Biodiversity: An Archaeological Perspective from the Americas. Annual Review of Anthropology 25:105-126.

October 28: READING THE LANDSCAPE I: PLACES, SOCIAL SPACE, SACRED LANDSCAPES, MOUNDS, MEGALITHS.

Texts:

Tilley, Christopher 1994 A Phenomenology of Landscape: Places, Paths and Monuments. Berg, Oxford. Part 2; Chapters 3-6,

Bender, Barbara 1998 Stonehenge: Making Space. Berg, Oxford. Chapter 2.

Reader:

Bradley, Richard 1995 Symbols and Signposts: Understanding the Prehistoric Petroglyphs of the British Isles. In The Ancient Mind: Elements of Cognitive Archaeology. edited by Colin Renfrew and Ezra Zubrow, Cambridge University Press, Cambridge, pp. 95-106.

March 7: Spring Break

March 14: READING THE LANDSCAPE II: GARDENS, FIELDS, VERNACULAR LANDSCAPES, AGRARIAN HOUSEHOLDS AND COMMUNITIES

Detailed Outline of Seminar Paper Due

Reader:

Gleason, Kathryn L. 1994 To bound and to Cultivate: An Introduction to the Archaeology of Gardens and Fields. IN The Archaeology of Garden and Field. edited by Naomi Miller and Kathryn Gleason, University of Pennsylvania Press, Philadelphia, pp. 1-24.

Killion, Thomas W. 1992 Residential Ethnoarchaeology and Ancient Site Structure. In Gardens of Prehistory: The Archaeology of Settlement Agriculture in Greater Mesoamerica. edited by Thomas Killion, University of Alabama Press, Tuscaloosa, pp. 119-149.

Robin, Cynthia and Nan Rothschild 2002 Archaeological Ethnographies: Social Dynamics of Outdoor Space. Journal of Social Archaeology 2(2):159-171.

Robin, Cynthia 2002 Outside of Houses: The Practices of Everyday Life at Chan Noohol, Belize. Journal of Social Archaeology 2(2):245-267.

Fleming, Andrew 1987 Coaxial Field Systems: Some Questions of Time and Space. Antiquity 61:188-202.

Fleming, Andrew 1989 The Genesis of Coaxial Field Systems. In What's New? A Closer Look at the Process of Innovation. edited by Sander E. van der Leeuw and Robin Torrance, Unwin-Hyman, London, pp. 63-81.

March 21: METHODOLOGY II: GEOGRAPHIC INFORMATION SYSTEMS, DIGITAL ELEVATION MODELS, AND VIRTUAL REALITY.

Reader:

Maschner, Herbert D. G. 1996 Geographical Information Systems. IN Oxford Companion to Archaeology. Edited by Brian Fagan, Oxford University Press, Oxford, pp. 248-250.

Madry, Scott and Carole Crumley 1990 An Application of Remote Sensing and GIS in a Regional Archaeological Settlement Pattern Analysis: The Arroux River Valley, Burgundy,

France. In Interpreting Space: GIS and Archaeology. edited by Kathleen Allen, Stanton Green and Ezra Zubrow, Taylor and Francis, London, pp. 364-380.

Llobera, Marcos 1996 Exploring the Topography of Mind: GIS, Social Space, and Archaeology. Antiquity 70:612-622.

Romano, David G. 1993 Post-146 B.C. Land Use in Corinth, and Planning of the Roman Colony of 44 B.C. IN The Corinthia in the Roman Period (special issue of the Journal of Roman Archaeology Supplementary Series, no. 8) edited by Timothy Gregory, pp. 9-30.

March 28: ROADS AND COMMUNICATION NETWORKS.

Reader:

Snead, James and Robert Preucel 1999 The Ideology of Settlement: Ancestral Keres Landscapes in the Northern Rio Grande. IN Archaeologies of Landscape: Contemporary Perspectives. Edited by W. Ashmore and A. Bernard Knapp, Blackwell, Oxford, pp. 169-200.

Sofaer, Anna, Michael Marshall, and Rolf Sinclair 1989 The Great North Road: A Cosmographic Expression of the Chaco Culture of New Mexico. in World Archaeoastronomy. edited by Anthony Aveni, Cambridge University Press, Cambridge, pp. 365-376.

Kantner, John 1997 Ancient Roads, Modern Mapping: Evaluating Chaco Anasazi Roadways using GIS Technology. Expedition 39(3):49-62

Snead, James 2002 Ancestral Pueblo Trails and the Cultural Landscape of the Pajarito Plateau, New Mexico. Antiquity 76(293):756-765.

April 4: SACRED, RITUAL, AND COSMIC LANDSCAPES, AXIS MUNDI, ALIGNMENTS AND ORIENTATIONS, BODY METAPHORS, AND ARCHAEOASTRONOMY

Draft versions of paper to be presented November 25 due:

Reader:

Glowacki, Mary and Michael Malpass 2003 Water, Huacas, and Ancestor Worship: Traces of a Sacred Wari Landscape. Latin American Antiquity 14(4):431-448.

Brady, James and Wendy Ashmore 1999 Mountains, Caves, Water: Ideational Landscapes of the Ancient Maya. IN Archaeologies of Landscape: Contemporary Perspectives. Edited by W. Ashmore and A. Bernard Knapp, Blackwell, Oxford, pp. 124-148.

Aveni, Anthony F. and Helaine Silverman 1991 Between the Lines: Reading the Nazca Markings as Rituals Writ Large. The Sciences. July/August.

Urton, Gary 1990 Andean Social Organization and the Maintenance of the Nazca Lines. In The Lines of Nazca. edited by Anthony Aveni, American Philosophical Society, Philadelphia, pp. 175-206.

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Table of Contents of the Bulk Pack Reader

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1990 Landscapes as Cultural Statements. In Earth Patterns: Essays in Landscape Archaeology. edited by William M. Kelso and Rachel Most, University Press of Virginia, Charlottesville, pp. 1-4.

Knapp, A. Bernard, and Wendy Ashmore 1999 Archaeological Landscapes: Constructed, Conceptualized, Ideational. IN Archaeologies of Landscape: Contemporary Perspectives. Edited by W. Ashmore and A. Bernard Knapp, Blackwell, Oxford, pp. 1-32.

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Fotiadis, Michael

1992 Units of Data as Deployment of Disciplinary Codes. In Representations in Archaeology. edited by Jean-Claude Gardin and Christopher Peebles, Indiana U. Press, Bloomington, pp. 132-148. [Site Concept]

Stafford, C. Russell

1995 Geoarchaeological Perspectives on Paleolandscapes and Regional Subsurface Archaeology. Journal of Archaeological Method and Theory. 2(1):69-104.

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Anthropology 600
Fundamentals of Archaeology
Spring 2005
Professor Erickson

PERIODICALS CONCERNING ARCHAEOLOGY

I strongly encourage all graduate students to periodically browse the fine collection of current archaeology-related journals that the University Museum Library receives. It is important to keep up with the advances in the discipline, a basic part of professionalism.

Advances in Archaeological Method and Theory (1978-1987)
Advances in World Archaeology
African Archaeological Review
American Archaeology
American Antiquity
American Anthropologist
Annual Review of Anthropology
Ancient Mesoamerica
Antiquity
Archaeological Dialogues
Archaeological Method and Theory (1987-present)
Archaeological Review from Cambridge
Archaeology
Archaeology in Oceania
Archaeology of Eastern North America
Australian Archaeology
Bulletin of the Society for American Archaeology
Cambridge Archaeological Journal
Cambridge Review of Archaeology
Current Anthropology
Economic Botany
Florida Anthropologist
Geoarchaeology
Geoscience and Man
Historical Archaeology
Internet Archaeology
Journal of Anthropological Archaeology
Journal of Archaeological Method and Theory (since 1994)
Journal of Archaeological Research
Journal of Archaeological Science
Journal of the British Archaeological Association
Journal of European Archaeology

Journal of World Prehistory
Journal of Alabama Archaeology
Journal of Material Culture
Journal of Mediterranean Archaeology
Journal of Ethnobiology
Journal of Field Archaeology
Journal of World Prehistory
Journal of Social Archaeology
Kiva
Latin American Antiquity
Man
Man in the Northeast
Midcontinental Journal of Archaeology
Mississippi Archaeology
Missouri Archaeologist
North American Archaeologist
Norwegian Archaeological Review
Oxford Journal of Archaeology
Plains Anthropologist
Proceedings of the Prehistoric Society
Quarterly Review of Archaeology
Quarterly Bulletin of the Archaeological Society of Virginia
Quarterly Review of Archaeology (Oxford)
Quaternary Research
RES: Anthropology and Aesthetics
Scottish Archaeological Review
Southeastern Archaeology
Southeastern Archaeological Conference, Newsletter
The Review of Archaeology
Tennessee Anthropologist
World Archaeology

Computer Database Searches:

various anthropology and social science index volumes; computer bibliographic searches on RLIN, WorldCat, Quick Search, and others [see Museum and Van Pelt librarians for more information on how to use these search capabilities].

Many important articles from archaeological journal can be directly downloaded from the Web using Acrobat [see the ejournals (electronic journals) on the main Library page for a list of Anthropology, Archaeology, Ecology, Landscape Architecture, Art History online journals and details on downloading].

Internet and the World Wide Web:

Hundreds of web sites dedicated to archaeology, geographic information systems, cultural

landscapes, historical ecology, archaeoastronomy, free aerial and satellite imager and maps.