

## 考古學陶器分析

英文課名：Archaeological Ceramics

授課老師：陳瑪玲

授課時間：週二：14:20-17:00

授課教室：R205

**課程目的：** 主要在介紹並討論陶器資料在考古學研究中的特性和運用，探尋何種資訊可被獲取出，並以何方法可被獲取，以供考古學家用以達到復原、及瞭解史前人類各層面生活方式的目的。同時檢視以陶器作為研究材料，直至今日考古學可探索的議題為何，發展了那些理論與方法論。

**課程要求：**口頭報告（）、討論參與（）、期中主題作業、 期末報告（）

### 課程大綱

週次	上課主題	備註
第 1 週 09/14/2010	課程介紹（目標、內容、要求、上課方式）	準備週
<b>I. The Nature of Archaeological Explanation and the inference of Ceramics</b>		
第 2 週 09/21/2010	1. 考古學研究與詮釋的本質 2. 陶器資料的解析範疇	
<b>II. Ceramic Production (陶器的生產)</b>		
第 3 週 09/28/2010	a. Manufacturing Processes and Technology (製作過程和技術)	
第 4 週 10/05/2010	b. Material & Composition Analysis (成份分析)	口頭報告(1)
第 5 週 10/12/2010	Continuing Above	口頭報告
第 6 週 10/19/2010	c. Pottery Distribution and Production, and Economic, Political Organization (陶器生產和經濟, 政治制度)	口頭報告
第 7 週 10/26/2010	Continuing Above	口頭報告
<b>III. Ceramic Morphology and Classification (陶器的型制和分類)</b>		
第 8 週 11/02/2010	a. Ceramic Typology, Vessel Function, and Classification (陶器的類形和功能)	口頭報告
第 9 週 11/09/2010	期中考	
第 10 週 11/16/2010	b. Dating, Ceramic Seriation, and Chronology (陶器排隊法和年代學)	口頭報告

第 11 週 11/23/2010	c. Ceramic Spatial Analysis and Formation Process (空間分析和形成過程)	□頭報告
<b>IV. Ceramic Stylistic Analysis (陶器的風格分析)</b>		
第 12 週 11/30/2010	a. Decoration Elements and Variation Approach (紋飾的元素和變異)	□頭報告
第 13 週 12/07/2010	b. Social Organizational Approach (社會制度取向)	
第 14 週 12/14/2010	c. Symbolic Approach (象徵取向)	□頭報告
第 15 週 12/21/2010	Continuing Above	
第 16 週 12/28/2010	e. Technical Choice	
第 17 週 01/04/2011	Continuing Above	
第 18 週 01/11/2011	期末考	

**基本參考書:**

Orton, Clive, Paul Tyers and Alan Vince

1993 Pottery in Archaeology. Cambridge University Press.

Rice, Prudence

1987 Pottery Analysis: A Sourcebook. University of Chicago Press, Chicago.

Shepard, Anna O.

1980 Ceramics for Archaeologist. Carnegie Institution of Washington, Washington, D.C.

Sinopoli, Carla M.

1991 Approaches to Archaeological Ceramics. Plenum Press, New York & Landon

**Required Readings:**

**The Nature of Archaeological Explanation and the Inference of Ceramics:**

Kingery, W. D.

1981 Plausible Inferences from Ceramic Artifacts. Journal of Field Archaeology 8(4): 457-467.

Matson, Frederick R.

1981 Archaeological Ceramics and the Physical Sciences: Problem Definition and Results. Journal of Field Archaeology 8(4): 448-456.

Orton, Clive, Paul Tyers and Alan Vince

1993 History of Pottery Studies, in Pottery in Archaeology. Pp 3-22, Cambridge University Press.

### **Ceramic Production & Technology**

Shepard, Anna O.

1980 Ceramics for Archaeologist. Carnegie Institution of Washington, Washington, D.C.

Orton, Clive, Paul Tyers and Alan Vince

1994 History of Pottery Studies, in *Pottery in Archaeology*. Pp 3-22, Cambridge University Press.

### **Material and Compositional Analysis I**

Bishop, R.L., R.L. Rands, and G.R. Holley

1982 Ceramic Compositional Analysis in Archaeological Perspective. Advances in Archaeological Method and Theory, 5:275-330.

Rice, P.M.

1982 Pottery Production, Pottery Classification, and the Role of Physiochemical Analyses. in Archaeological Ceramics, ed. by J.S. Olin and A.D. Franklin, pp 47-56. Smithsonian Institution.

Burton, James H. and Arleyn W. Simon

1993 Acid Extraction as a Simple and Inexpensive Method for Compositional Characterization of Archaeological Ceramics. American Antiquity 58(1): 45-59.

### **Material and Compositional Analysis II**

Arnold Dean E., Hector A. Neff, Ronald L. Bishop, and Michael D. Glasco

1999 Testing Interpretative Assumptions of Neutron Activation Analysis: Contemporary Pottery in Yucatan, 1964-1994. in *Material Meanings* ed. by Elizabeth S. Chilton, pp61-84, The University of Utah Press, Salt Lake City

Fowles, Severin M., Leath Minc, Samuel Duwe, and David V. Hill

2006 Clay, Conflict, and Village Aggregation: Compositional Analyses of Pre-Classic Pottery from Taos, New Mexico. American Antiquity 72(1): 125-152

Vaugh, Kevin J. & Hector Heff

2000 Moving Beyond Iconography: Neutron Activation Analysis of Ceramics from Marcaya, Peru, an Early Nasca Domestic Site. Journal of Field Archaeology 27(1): 75-90.

### **Ceramics and Production Organization I**

Stark, Barbara L.

1985 Archaeological Identification of Pottery-Production Locations: Ethnoarchaeological and Archaeological Data in Mesoamerica, in Decoding Prehistoric Ceramics, ed. by

- B.A. Nelson, pp 158-194. Southern Illinois University Press, Carbondale.
- Costin, Cathy L. and Melissa B. Hagstrum  
 1995 Standardization, Labor Investment, Skill, and the Organization of Ceramic Production in Late Prehistoric Highland Peru. American Antiquity 60(4): 619-639.
- Crown, Patricia L.  
 2007 Life Histories of Pots and Potters: Situating the Individual in Archaeology. American Antiquity 72(4): 677-690.
- Hegmon, Michelle, and Wenda R. Trevathan  
 1996 Gender, Anatomical Knowledge, and Pottery Production: Implications of an Anatomically Unusual Birth Depicted on Mimbres Pottery from Southwestern New Mexico. American Antiquity 61(4):747-754.

### **Ceramics and Production Organization II**

- Arnold, Dean E.  
 1985 Man/Land Relationships in Ceramic Theory and Cultural Process. pp168-201, Cambridge University Press.
- \*Crown, Patrician L. & W. H. Wills  
 2003 Modifying Pottery and Kivas at Chaco: Pentimento, Restoration, or Renewal? American Antiquity 68(3): 511-532.
- Klemptner, L.J. and P.F. Johson  
 1986 An Analytical Approach to the Technological Development of Mississippian Pottery. in Ceramics and Civilization, Volume 1, Ancient Technology to Modern Science, ed. by W.D. Kingery, pp 101-112. The American Ceramic Society, Columbus.
- Kojo, Yasushi  
 1996 Production of Prehistoric Southwestern Ceramics: A Low-Technology Approach. American Antiquity 61(2):325-340.
- \*Loney, Helen L.  
 2000 Society and Technological Control: a Critical Review of Models of Technological Change in Ceramic Studies. American Antiquity 65(4):
- \*Kvamme, Kenneth L., Miriam T. Stark, and William A. Longacre  
 1996 Alternative Procedures for Assessing Standardization in Ceramic Assemblages. American Antiquity 61(1): 116-126.
- \*Roux, Valentine  
 2003 Ceramic Standardization and Intensity of Production: Quantifying Degrees of Specialization. American Antiquity 68(4): 768-782.

### **Ceramics Typology, Classification, and Vessel Function:**

Frink Lisa and Karen G. Harry

- 2008 The Beauty of “Ugly” Eskimo Cooking Pots. *American Antiquity* 73(1): 103-118.  
Brown, James A.
- 1982 On the Structure of Artifact Typologies, in Essays on Archaeological Typology, ed. by R. Whallon and J.A. Brown, pp 176-189. Center for American Archaeology, Evanston.
- \*Cowgill, George C.
- 1982 Clusters of Objects and Associations between Variables: Two Approaches to Archaeological Classification, in Essays on Archaeological Typology, ed. by R. Whallon and J.A. Brown, pp 30-55. Center for American Archaeology, Evanston.
- Gifford, James C.
- 1960 The Type Variety Method of Ceramic Classification as an Indicator of Cultural Phenomena. American Antiquity 25:341-347.
- \*Henrickson, Elizabeth F. and Mary M. A. McDonald
- 1983 Ceramic Form and Function: An Ethnographic Search and An Archaeological Application. American Anthropologist 53(3):630-643.
- Orton, Clive, Paul Tyers and Alan Vince
- 1993 Pottery and Function, in Pottery in Archaeology pp217-228. Cambridge University Press.
- Sackett, J. R.
- 1973 Style, function and Artifact Variability in Paleolithic Assemblages. In *The Explanation of Cultural Change*, ed. by C. Renfrew, pp. 316-325. Duckworth, London.
- \*Smith, Marion F.
- 1985 Toward An Economic Interpretation of Ceramics: Relating Vessel Size and Shape to Use, in Nelson, pp 254-309.

***Dating, Ceramic Seriation, and Chronology:***

- Drennan, Robert D.
- 1976 A Refinement of Chronological Seriation Using Nonmetric Multidimensional Scaling. American Antiquity 41(3): 290-302.
- Duff, Andrew I.
- 1996 Ceramic Micro-Seriation: Types or Attributes? American Antiquity 61(1): 89-101.
- Orton, Clive, Paul Tyers and Alan Vince
- 1994 Chronology (Chapter 14), in Pottery in Archaeology. Pp 183-196, Cambridge University Press.
- Sinopoli, Carla M.
- 1991 Ceramic Ethnoarchaeology and Chronologies (Chapter 4), in Approaches to

### **Ceramic Spatial Analysis, and Site Formation:**

\*Beck, Margaret E.

2006 Midden Ceramic Assemblage Formation: A Case Study from Kalinga, Philippines. American Antiquity 71(1): 27-51.

\*Bintliff, John and Anthony Snodgrass

1988 Off-Site Pottery Distributions: A Regional and Interregional Perspective. Current Anthropology 29(3): 506-513.

\*DeBoer, Warren r., and Donald W. Lathrap

1979 The Making and Breaking of Shipibo-Conibo Ceramics.

Hirth, Kenneth

1978 Problems in Data Recovery and Measurement in Settlement Archaeology. Journal of Field Archaeology 5(2):125-132.

Koetje, T.A.

1985 Spatial Patterns in Magdalenian Open Air Site from Isle Nalley, Southwestern France.III Period in Chaco Canyon, New Mexico. American Antiquity 54(2): 347-369.

\*Sullivan, Alan P.III

2007 Ethnoarchaeological and Archaeological Perspectives on Ceramic Vessels and Annual Accumulation Rates of Sherds. American Antiquity 73(1): 121-135.

### **Ceramic Style Analysis**

#### ***Element and Variation Approach:***

Hill, James N.

1985 Style: A Conceptual Evolutionary Framework, in Decoding Prehistoric Ceramics, ed. by B.A. Nelson, pp. 362-385. Southern Illinois Press, Carbondale.

Hardin, Margaret Ann

1984 Models of Decoration. In The Many Dimensions of Pottery: Ceramics in Archaeology and Anthropology, ed. by Sandor Van der Leeuw and A.C. Prichard. CINGULA 7:573-614. Institute for Pre- and Proto-History, University of Amsterdam, Amsterdam.

Jernigan, E. W.

1986 A Non-Hierarchical Approach to Ceramic Decoration Analysis: A Southwestern Example. American Antiquity 51(1):3-20.

Watson, Patty Jo

1977 Design Analysis of Painted Pottery. American Antiquity 42(3):381-393.

***Social Organization Approach (Social Learning) :***

\*Hill, James N.

1970 Social Groups. in Broken K Pueblo, pp 57-74. Anthropological Papers of the University of Arizona 18.

李光周

1978 墾丁史前遺址的發掘與其陶片的處. 文史哲學報 27:285-

Friedrich, Margaret Hardin

1970 Design Structure and Social Interaction: Archaeological Implications of An Ethnographic Study. American Antiquity 35(3):332-343.

\*Graves, Michael W.

1985 Ceramic Design Variation within a Kalings Village: Temporal and Spatial Processes, in Decoding Prehistoric Ceramics, ed. by B.A. Nelson, pp. 9-34. Southern Illinois Press, Carbondale.

Hantmann, J. and S. Plog

1982 The Relationship of Stylistic Similarity to Patterns of Material Exchange. in Contexts for Prehistoric Exchange, ed. by J. Ericson and T. Earle, pp 237- 263. Academic Press, New York.

\*Kintigh, Keith W.

1985 Social Structure, the Structure of Style, and Stylistic Patterns in Cibola Pottery, in Decoding Prehistoric Ceramics, ed. by B.A. Nelson, pp. 35-74. Southern Illinois Press, Carbondale.

Longacre, William A

1970 Sociological Implications of the Ceramic Analysis. in Archaeology as Anthropology: A Case Study, pp 27-33. Science 144:1454-1455.

***Symbolic Approach(Information Exchange) I:***

\*Arnold, Dean

1983 Design Structure and Community Organization in Quinoa, Peru, in Structure and Cognition in Art, ed. by D.K. Washburn, pp 56-73. Cambridge University Press, Cambridge.

\*Hodder, Ian

1982 Sequences of Structural Change in the Dutch Neolithic. In Symbolic and Structural Archaeology, ed. by Ian Hodder. Pp 162-178, Cambridge University Press.

Washburn, Dorothy K.

1983 Symmetry Analysis of Ceramic Design: Two Test of the Method on Neolithic Material from Greece and the Aegean, in Structure and Cognition in Art, ed. by D.K. Washburn, pp 138-164. Cambridge University Press, Cambridge.

\* Wobst, Martin

1977 Stylistic Behavior and Information Exchange. in for the Director: Research Essays in Honor of James B. Griffin, ed. by C. Cieland. University of Michigan Museum of Anthropology, Anthropological Papers 61:317-342.

***Symbolic Approach (Information Exchange) II:***

\* Braithwaite, Mary

1982 Decoration as Ritual Symbol: a Theoretical Proposal and an Ethnographic Study in Southern Sudan. In Symbolic and Structural Archaeology, ed. by Ian Hodder. Pp 80-88, Cambridge University Press.

Ortman, Scott G.

2000 Conceptual Metaphor in the Archaeological Record: Methods and an Example from the American Southwest. American Antiquity 65(4):613-645

\* Plog, Stephen

2003 Exploring the Ubiquitous through the Unusual: Color Symbolism in Pueblo Black-on white Pottery. American Antiquity 68(4):665-695.

\* Spielmann Katherine A, Jeannette L. Mobley-Tanaka, and James M. Potter

2008 Style and Resistance in the Seventeenth Century Salinas Province. American Antiquity 71(4): 621-647

***Technical Choice I:***

Dietler, Michael and Ingrid Herbich

1998 Habitus, Techniques, Style: An Integrated Approach to the Social Understanding of Material Culture and Boundaries. In *The Archaeology of Social Boundaries* ed. by Miriam T. Stark, pp233-263. Smithsonian Institution Press, Washington

Lemonnier, Pierre

1993 Introduction. In *Technological Choices*, ed. by Pierre Lemonnier pp. 1-35. Routledge, New York.

Stark, Miriam T.

2000 Social Dimensions of Technical Choice in Kalinga Ceramic Traditions. In *Material Meanings* ed. by Elizabeth S. Chilton, pp24-43, The University of Utah Press, Salt Lake City

***Technical Choice II:***

Chilton, Elizabeth S.

1997 The Cultural Origins of Technical Choice: Unraveling Algonquian Iroquoian Ceramic Traditions in the Northeast. In *The Archaeology of Social Boundaries* ed.

- by Miriam T. Stark, pp132-60. Smithsonian Institution Press, Washington
- Goodby, Robert G.
- 1998 Technological Patterning and Social Boundaries: Ceramic Variability in Southern New England, A.D. 1000-1675. In *The Archaeology of Social Boundaries* ed. by Miriam T. Stark, pp161-82. Smithsonian Institution Press, Washington
- Stark, Miriam T., Mark D. Elson and Jeffery J. Clark,
- 1998 Social Boundaries and Technical Choices in Tonto Basin Prehistory. In *The Archaeology of Social Boundaries* ed. by Miriam T. Stark, pp208-31. Smithsonian Institution Press, Washington