

PRIEST-KINGS AND VILLAGE LIFE: AN INTRODUCTION TO THE INDUS CIVILIZATION



Fall 2018
Joukowsky Institute for Archaeology and the Ancient World
Brown University

Syllabus

Schedule: Tuesdays and Thursdays 10.30-11.50am, Seminar Room 008, Rhode Island Hall

A course with Jennifer Bates, Postdoctoral Research Associate in Archaeology, Joukowsky Institute for Archaeology and the Ancient World.

Jennifer's Office Hours: Monday's 2-4 and (by appointment) Friday 2-4

Office: Room 208, Rhode Island Hall

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Course Description and Learning Outcomes:

To be a state or not to be a state? That is (one) of the big questions that has underlain the archaeology of the Indus Civilization of South Asia (c.3200-1500BC) since its earliest days. Covering modern day Pakistan and northwest India, the Indus Civilization was a contemporary of other Bronze Age cultures in Mesopotamia and Egypt but we know comparatively little about it and it remains understudied. As well as providing a foundation in the chronological developments in the region, this course will also explore the broader thematic questions involved in Indus studies. It will explore how the traditional forms of evidence for 'statehood' such as writing, monumental architecture, organised religion (who

was the so-called ‘priest-king’ of Mohenjo-Daro?) and centralised control are more complex in this Old World Bronze Age civilization than in its contemporaries in Mesopotamia and Egypt, and how this has affected the way it has been conceptualised in different models of its socio-political organisation. The course will also look at the role the Indus played in shaping the wider old world economic systems, the pan-Gulf trading networks, and how this both affected Indus society and how Indus society affected its trading partners. Importantly, the course will also look at the often ‘faceless’ element of society in archaeological models – the villagers, looking at how they had agency within the larger system. Rather than just focusing on urban and elite evidence this course offers a case study of how villagers were able to resist and/or change the structures of a larger urban culture through their daily actions and choices. Cutting-edge research from projects being carried out at the moment will be introduced, and students will be encouraged to keep an eye on the continually up-dated blogs and social media of the ongoing *TwoRains*, *Raindrops* and *JASPAR* projects that are using new techniques to look at Indus village life. The lectures will also explore how the Indus fitted into its environmental landscape, considering the debates of climate change and civilization ‘collapse’ – did one cause the other? Students will be introduced to a variety of primary and secondary resources with a range of interpretations, including on-going research. They will acquire a critical approach to original field data, current research and existing synthetic models with a view to their ultimately being able to engage in the plan of fieldwork in South Asia.

Class Structure:

Classes will be run twice a week, involving lectures relating to themes in Indus archaeology. Core readings relating to these themes will be uploaded to Canvas (see below).

Canvas:

The Canvas course page will be the main tool for checking on announcements, view set weekly readings, view assignments, and post and respond to questions. Please make sure you have set yourself as receiving announcements for the course page and make sure you check it regularly for important information like rooms changes etc.

Course Requirements and Expectations:

Over 13 weeks, students will spend 3 hours per week in class (39 hours total). Required reading is expected to take up approximately 5 hours per week (65 hours total). In addition, research and writing for the final assessment is estimated at total of approximately 40 hours over the course of the term.

Each student is expected to do the weekly readings thoroughly, participate in any discussions, and take extensive notes during class lectures and discussions. It is strongly recommended that you keep detailed notes as you do your weekly readings and during lectures and class discussions, as well as noting down your own thoughts and ideas on concepts. This course is meant to encourage you to contribute to scholarship and to begin to carry out your own research into Indus archaeology! You will be engaging with current up-to-date work in Indus archaeology and will be expected to engage with selected articles in relevant discussions raised during the lectures.

Assessment:

The breakdown of course assessment is as follows:

- **Attendance and participation (25%)**
- **Midterm quiz (25%)**
- **Research project and presentation (40% +10% = 50%)**

Midterm quiz

Students will be set a quiz in week 8 based on the material covered up until that point. This quiz is intended to help students gain a solid background in the archaeology of the Indus Civilization and set

them up for their research project. The quiz will include a series of multiple answer questions and a small number of short answer questions to allow students to develop their argument skills.

Research project and presentation

The final assessment will be based on a (max.) 2500 word research project relating to a topic in Indus archaeology of the students choice. Students will develop this project within the wider themes, theories and materials covered by the course in relation to their interests and their reading. This can include an exploration of a particular object or site, an archaeologist, an archaeological approach or material, or look at how Indus archaeology is tackling a particular research question or applied a theoretical stance.

Students **MUST** discuss this with Jennifer during her office hours before starting their research.

During week 14 students will give a 10-minute paper on their research project. Presenting research is an important skill that this assessment will allow the students to develop. It is strongly advised that students prepare and rehearse their presentations well in advance in order to be comfortable in their discussion. Group practice is highly encouraged. Writing a script and notecards are useful to help focus and structure the presentation but reading directly from a script should not be done, as it detracts from the flow of speaking. After presenting, the paper will be constructively peer reviewed by other student groups and the chance to develop a conference-style question-answer session will be developed. Options to exhibit students work through an online medium, probably as a podcast series, will be explored to allow students the chance to contribute their research to wider scholarship and audiences.

Presentations can be constructed on PowerPoint or PDF, available through Adobe Cloud at Brown. Workshops are available on how to construct PowerPoints through the brown multi-media labs, and the multi-media labs encourage you to get in touch with them directly for any support or questions you may have.

Referencing, Resources and Recommended Textbooks

The preferred referencing style is **Harvard**, which is the most common style used in Archaeology and Anthropology. These consist of in text citation (author, date, page numbers) followed by a detailed citation of the publication in the bibliography.

Students are also reminded that using libraries is **essential**. Key readings are listed in the syllabus and will be made available online, but it is also important you expand your reading into other works and scholars. A useful tip is to use the bibliographies of the provided readings, but be aware of the dates of publications. Students are also warned that older publications, roughly pre 1975, may be quite out of date and to use caution when using the opinions and interpretations of scholars who are the product of their times!

In addition, online resources like JStor and Web of Knowledge for finding articles, academia.edu and researchgate are important repositories of scholarly research. Students are encouraged to use these sites to broaden their reading and familiarize themselves with looking up scholars and their research.

Jennifer will be uploading a **pdf entitled 'Useful Resources' on Canvas**. Please look at it as this has a guide to referencing styles, bibliography building and places you can go to look for articles, books and chapters.

An effort has been made to decolonize the reading list of this course. This will be discussed further in lecture 4.

No particular textbook covers all the topics and societies in this course. However, two good primer books are Possehl, G.L., 1999. *Indus Age: the beginnings*. University of Pennsylvania Press, Philadelphia, Pa; and Chakrabarti, D.K., 1995. *The Archaeology of Ancient Indian Cities*. Oxford University Press, Oxford.

WEEKLY SCHEDULE

Week 1

Thursday 6th September 2018

Lecture 1: Why should I care about the Indus Civilization?

- Petrie, C.A., Singh, R.N., Bates, J., Dixit, Y., French, C.A.I., Hodell, D.A., Jones, P.J., Lancelotti, C., Lynam, F., Neogi, S., Pandey, A.K., Parikh, D., Pawar, V., Redhouse, D.I., Singh, D.P., 2017. Adaptation to Variable Environments, Resilience to Climate Change: Investigating Land, Water and Settlement in Indus Northwest India. *Current Anthropology* 58, 1–30. <https://doi.org/10.1086/690112>
- <https://www.arch.cam.ac.uk/the-ancient-indus-civilization2019s-adaptation-to-climate-change>
- <https://www.bbc.co.uk/news/world-south-asia-10896849>

Week 2

Tuesday 11th September 2018

Lecture 2: When, what, where, who and why – a brief history of excavation in the Indus Civilization.

- Chakrabarti, D.K., 1995. *The Archaeology of Ancient Indian Cities*. Oxford University Press, Oxford. (Chapters 2-3).
- Lahiri, N. 2005. *Finding Forgotten Cities: How the Indus Civilization was Discovered*, Permanent Black, Delhi. (Read selectively).
- Possehl, G.L., 1999. *Indus Age: the beginnings*. University of Pennsylvania Press, Philadelphia, Pa. (Chapter 1).

Thursday 13th September 2018

Lecture 3: Predictably unpredictable: setting the geographical context.

- Giosan, L., Clift, P.D., Macklin, M.G., Fuller, D.Q., Constantinescu, S., Durcan, J.A., Stevens, T., Duller, G.A.T., Tabrez, A.R., Gangal, K., Adhikari, R., Alizai, A., Filip, F., Van Laningham, S., and Syvitski, J.P.M. (2012), Fluvial landscapes of the Harappan Civilization. *Proceedings of the National Academy of Sciences* 109: 1-7.
- Madella, M. and Fuller, D.Q. 2006. Palaeoecology and the Harappan Civilization of South Asia: a reconsideration, *Quaternary Science Reviews* 25.11-12: 1283-1301.
- Petrie, C.A., Singh, R.N., Bates, J., Dixit, Y., French, C.A.I., Hodell, D.A., Jones, P.J., Lancelotti, C., Lynam, F., Neogi, S., Pandey, A.K., Parikh, D., Pawar, V., Redhouse, D.I., Singh, D.P., 2017. Adaptation to Variable Environments, Resilience to Climate Change: Investigating Land, Water and Settlement in Indus Northwest India. *Current Anthropology* 58, 1–30.
- Saini, H.S. Tandon, S. K., Mujtaba, S. A. I. and Pant, N. C. 2005. Lake deposits of the northeastern margin of Thar Desert: Holocene(?) Palaeoclimatic implications, *Current Science* 88.12: 1994-2000.
- Schuldenrein, J. Wright, R. and Afzal Khan, M. 2007. Harappan Geoarchaeology Reconsidered: Holocene Landscapes and Environments of the Greater Indus Plain, in

Settlement and Society: Essays Dedicated to Robert McCormick Adams, Stone, E. (ed.). Los Angeles, Cotsen Institute: 83-116.

- Weber, S., Barela, T., and Lehman, H. 2010. Ecological continuity: an explanation for agricultural diversity in the Indus Civilization and beyond, *Man and Environment* 35.1: 62-75.

Week 3

Tuesday 18th September 2018

Lecture 4: Before we go any further...The challenges faced by Indus archaeology and how we are trying to resolve them.

- Fuller, D.Q., 2002. *Fifty Years of Archaeobotanical Studies in India: laying a solid foundation*, in: Settar, S., Korisettar, R. (Eds.), *Indian Archaeology in Retrospect III: Archaeology and Interactive Disciplines*. Manohar, New Delhi, pp. 247–364.
- Madella, M., Ajithprasad, P., Lancelotti, C., Rondelli, B., Balbo, A., French, C., Rodriguez Anton, D., García-Granero Fos, J.J., Yannitto, V., Rajesh, S.V., Gadekar, C.S., Briz i Godino, I., 2010. Social and environmental transitions in arid zones: the North Gujarat Archaeological Project—NoGAP. *Antiquity Project Gallery* 84, 1–4.
- Ray, H.P. 2008. *Colonial Archaeology in South Asia: The Legacy of Sir Mortimer Wheeler*, New Delhi, OUP. (read selectively)
- Shaffer, J.G. and Lichtenstein, D.A. 1995. *The Concepts of "cultural tradition" and "palaeoethnicity" in South Asian archaeology*, in Erdosy, G. (ed.). *The Indo-Aryans of Ancient South Asia*. Berlin, Walter de Gruyter: 126-154.
- <https://www.arch.cam.ac.uk/research/projects/two-rains>
- <https://tworains.wordpress.com/>

Thursday 20th September 2018

Lecture 5: Early Village Communities in the Hills and on the Plains

- Jarrige, J.-F., 1989. Excavation at Nausharo. *Pakistan Archaeology* 24, 21–68.
- Jarrige, J.-F. 2008. Mehrgarh Neolithic. *Prāgdhārā* 18: 135–154.
- Khan, F., Knox, J.R., Thomas, K.D., Petrie, C.A. and Morris, J.C. 2010. *Sheri Khan Tarakai and early village life in the north-west Pakistan*, Petrie, C.A. (ed.). *Bannu Archaeological Project Monographs - Volume 1*, Oxbow Books, Oxford. (Chapters 2 and 13).
- Petrie, C.A. and Thomas, K.D. 2012. The topographic and ecological context of the earliest village sites in western South Asia, *Antiquity* 86(334): 1055-1067.
<http://antiquity.ac.uk/ant/086/ant0861055.htm>

Week 4

Tuesday 25th September 2018

Lecture 6: Developing Village Farming Economies

- Ajithprasad, P. 2002. *The pre-Harappan cultures of Gujarat*, in Settar, S. and Korisettar, R.

(eds). 2002. *Indian Archaeology in Retrospect Volume II: Protohistory, Archaeology of the Harappan Civilization*, New Delhi, Manohar: 129-158.

- Mughal, M.R. 1990. Further evidence of the Early Harappan Culture in the Greater Indus Valley 1971- 1990, *South Asian Studies* 6: 176-199.
- Possehl, G.L. 1999. *Indus Age: The Beginnings*. Philadelphia: U. Penn. Press. (Read selectively)
- Shaffer, J.G. and Lichtenstein, D.A. 1995. *The Concepts of "cultural tradition" and "palaeoethnicity" in South Asian archaeology*, in Erdosy, G. (ed.). *The Indo-Aryans of Ancient South Asia*. Berlin, Walter de Gruyter: 126-154.

Thursday 27th September 2018

Lecture 7: Let there be cities! The rise of Indus urbanism.

- Eltsov, P.A. 2008. *From Harappa to Hastinapura: A Study of the Earliest South Asian City and Civilization*, Leiden, Brill.
- Kenoyer, J.M. 2008. *Indus Urbanism: new perspectives in its origin and character*, in J. Marcus and J. A. Sablof, eds., *The Ancient City: New Perspectives in the Old and New World*, Santa Fe: SAR: 85–109.
- Mehta, R.N., 1993. *Some Rural Harappan Settlements in Gujarat*, in: Possehl, G.L. (Ed.), *Harappan Civilization*. Oxford and IBH Publishing Co. Pvt. Ltd., New Delhi, pp. 167–174.
- <http://www.mohenjodaro.net/mohenjodaroessay.html>
- <http://www.harappa.com/indus5/index.html>

Week 5

Tuesday 2nd October 2018

Lecture 8: How typical is the type site? Introducing Harappa.

- Meadow, R.H. and Kenoyer, J.M. 1994. *Harappa excavations 1993: The city wall and inscribed materials*. In: A. Parpola & P. Koskikallio (eds.), *South Asian Archaeology 1993* (Annales Academiae Scientiarum Fennicae, B 271). Helsinki: Suomalainen Tiedekatemia: 451-470.
- Meadow, R.H. and Kenoyer, J.M. 2008. *Harappa excavations 1998-1999: new evidence for the development and manifestation of the Harappan Phenomenon*, in Raven, E. (ed.). *South Asian Archaeology 1999*, Groningen, Egbert Forstan: 85-109.
- Vats, M.S. 1940. *Excavations at Harappa*, 2 vols. Delhi, Government of India.
- Wheeler, R.E.M. 1947. Harappa 1946: the defences and Cemetery R 37, *Ancient India* 3: 58-130.

Thursday 4th October 2018

Lecture 9: A different case study: Mohenjo-Daro

- Dales, G.F. 1965b. New investigations at Mohenjodaro, *Archaeology* 18: 145-150.
- Dales, G.F. and Kenoyer, J.M. 1986. *Excavations at Mohenjodaro, Pakistan. The Pottery*, Philadelphia, University Museum.
- Jansen, M. 1994. *Mohenjodaro, type-site of the earliest civilization process in south Asia: ten years of research at Mohenjodaro, Pakistan and an attempt at a synopsis*, in Parpola, A. and Koskikallio, P. (eds). *South Asian Archaeology 1993*: 263-280.
- Possehl, G.L. 2005. *Mohenjo-Daro: the symbolic landscape of an ancient city*, in Atkin, T. and Rykwert, J. (eds), *Structure and Meaning in Human Settlement*, University of Pennsylvania Museum of Archaeology & Anthropology: 67-83.

Week 6

Tuesday 9th October

Lecture 10: 'Being urban' – life in the five big sites, and some of the smaller sites.

- Bisht, R.S. 1991-1992. Excavations at Dholavira, District Kutch, *Indian Archaeology-a Review*: 26-35
- Bisht, R.S. 2005. *The water structures and engineering of the Harappans at Dholavira (India)*, in Jarrige, C. and Lefèvre, V. (eds). *South Asian Archaeology 2001*, V. I: 11-25.
- Joshi, J.P. 1990. *Excavation at Surkotada 1971-72 and exploration in Kutch*, Delhi, MASI 87.
- Lal, B.B., Joshi, J.P., Thapar, B.K. and Bala, M. 2003. *Excavations at Kalibangan: the Early Harappans*, New Delhi, MASI 98.
- Mackay, E.J.H. 1943. *Chanhudaro Excavations 1935-36*. New Haven, American Oriental Society.
- Nath, A. 2001. Rakhigarhi: 1999-2000, *Puratattva* 31: 43-46.
- Petrie C.A. 2013, *Ancient South Asia, Oxford Handbook of Cities in History*, OUP, Oxford

Thursday 11th October 2019

Lecture 11: To be a state or not to be a state – that is the question.

- Baines, J. and Yoffee, N. 2000. *Order, legitimacy and wealth: setting the terms*, in Richards, J. and Van Buren, M. *Order, Legitimacy and Wealth in Ancient States*, New Directions in Archaeology, Cambridge, CUP: 13-17.
- Kenoyer, J.M. 2000. *Wealth and socio-economic hierarchies of the Indus Valley Civilization*, in Richards, J. and Van Buren, M. *Order, Legitimacy and Wealth in Ancient States*, New Directions in Archaeology, Cambridge, CUP: 88-109.
- Possehl, G.L. 1998. *Sociocultural complexity without the state: the Indus Civilization*, in Feinman, G.M. and Marcus, J. (eds). *The Archaic State*, School of American Research Press Santa Fe, 261-291.

- Wright, R.P. 2010. *The Ancient Indus: Urbanism, Economy and Society*, Cambridge, CUP.

Week 7

Tuesday 16th October 2018

Lecture 12: The view from the villages. Trying to unpack Indus socio-political organisation from the bottom up.

- Bates, J., Singh, R.N. and Petrie, C.A. 2017b. “Exploring Indus crop processing: combining phytoliths and macrobotanical analysis to consider the organisation of agriculture in northwest India c.3200-1500BC.” *Vegetation History and Archaeobotany* (special issue) 26:25–41 [published online 21 May 2016; doi: <http://dx.doi.org/10.1007/s00334-016-0576-9>]
- Chase, Brad, P. Ajithprasad, S.V. Rajesh, Ambika Patel, and Bhanu Sharma. 2014. “Materializing Harappan identities: unity and diversity in the borderlands of the Indus Civilization.” *Journal of Anthropological Archaeology* 35: 63–78. doi: <https://doi.org/10.1016/j.jaa.2014.04.005>
- Parikh, Danika and Cameron A. Petrie. 2017. *Urban-rural dynamics and Indus ceramic production in northwest India: a preliminary analysis of the pottery from Masudpur I and Masudpur VII*. In Vincent Lefèvre, Aurore Didier and Benjamin Mutin: *South Asian Archaeology and Art 2012 Volume I, Man and Environment in Prehistoric and Protohistoric South Asia: New Perspectives*, edited by, 221–241. Brepols, Turnhout.
- Parikh D. & Petrie C.A. In press. ‘We are inheritors of a rural civilization’: rural complexity and the ceramic economy in the Indus Civilization in northwest India. *World Archaeology*.
- Singh, R.N., Petrie, C.A., Pawar, V., Pandey, A.K., Parikh, D., 2011. New insights into settlement along the Ghaggar and its hinterland: a preliminary report on the Ghaggar Hinterland Survey 2010. *Man and Environment* 36, 89–106.

Thursday 18th October 2018

Lecture 13: Where are all the palaces?

- Baines, J. and Yoffee, N. 2000. *Order, legitimacy and wealth: setting the terms*, in Richards, J. and Van Buren, M. *Order, Legitimacy and Wealth in Ancient States*, New Directions in Archaeology, Cambridge, CUP: 13-17.
- Verardi, G. and Barba, F. 2010. The So-called Stupa at Mohenjo Daro and its Relationship with the Ancient Citadel, *Praghdara* 19: 147–70.
- Vidale, M. 2010. Aspects of Palace Life at Mohenjo-Daro, *South Asian Studies* 26.1: 59–76.
- G.K. Robbins Schug, K. Gray, V. Mushrif-Tripathy and A.R. Sankhyani, 2013. A peaceful realm? Trauma and social differentiation at Harappa, *International Journal of Paleopathology* 2, 136-147.
- Green, Adam S. 2018 “Mohenjo-daro’s Small Public Structures: Heterarchy, Collective Action, and a Re-visitation of Old Interpretations with GIS and 3D Modelling.” *Cambridge Archaeological Journal*. 28 (2): 205-223. doi:10.1017/S0959774317000774.

Week 8

Tuesday 23rd October 2018

Lecture 14: Priest Kings and Dancing girls.

- Clark, S.R. 2005. *The elusive “Mother Goddess”: a critical approach to the interpretation of Harappan terracotta figurines*, in Jarrige, C. and Lefèvre, V. (eds). *South Asian Archaeology 2001*, V. I: 61-77
- Coningham, R.A.E. and Manuel, M.J. 2009. Priest-kings or puritans? Childe and willing subordination in the Indus. *European Journal of Archaeology* 12(1-3): 27-37.
- Ardeleanu-Jansen, A. 2002. *The terracotta figurines from Mohenjo-Daro: considerations on tradition, craft and ideology in the Harappan Civilization (c.2400-1800 BC)*, in Settar, S. and Korisettar, R. (eds). *Indian Archaeology in Retrospect Volume II: Protohistory, Archaeology of the Harappan Civilization*, New Delhi, Manohar: 205-222.

Thursday 25th October 2018

Lecture 15: Midterm quiz

Week 9

Tuesday 30th October 2018

Lecture 16: Agriculture, diet and food – rethinking approaches to ‘subsistence’ within the Indus.

- García-Granero, J.J., Lancelotti, C., Madella, M. and Ajithprasad, P. 2016. Millets and herders: the origins of plant cultivation in semi-arid North Gujarat (India), *Current Anthropology* 57.2: 149-173.
- Madella, M. 2014. *Of crops and food: a social perspective on rice in the Indus Civilization*, in *Ancient Plants and People: Contemporary Trends in Archaeobotany*, edited by M. Madella, C. Lancelotti and M. Savard, University of Arizona Press, Tucson: 218-236.
- Petrie, C.A., Bates, J., 2017. “Multi-cropping”, Intercropping and Adaptation to Variable Environments in Indus South Asia. *Journal of World Prehistory* 30, 81–130.
- Kashyap, A., Weber, S.A., 2010. Harappan plant use revealed by starch grains from Farmana, India. *Antiquity Project Gallery* 84, 326.
- Petrie, C.A., Bates, J., Higham, T., Singh, R.N., 2016. Feeding ancient cities in South Asia: dating the adoption of rice, millet and tropical pulses in the Indus Civilization. *Antiquity* 90, 1489–1504. <https://doi.org/10.15184/aqy.2016.210>
- Chase, B. 2010. Social change at the Harappan settlement of Gola Dhoro: a reading from animal bones, *Antiquity* 84. 324: 528–543.
- Chase, B., Meiggs, D., Ajithprasad, P., and Slater, P.A. 2014. Pastoral land-use of the Indus Civilization in Gujarat: faunal analyses and biogenic isotopes at Bagasra, *Journal of Archaeological Science* 50: 1-15. <http://dx.doi.org/10.1016/j.jas.2014.06.013>.
- <https://tworains.wordpress.com/2017/02/15/grinding-up-old-pots-in-search-of-new-food/>

Thursday 1st November 2018

Lecture 17: From raw material to finished artefact. The technology of the Indus Civilization.

- Kenoyer, J.M. 2005. *Bead technologies at Harappa, 3300-1900 BC: a comparative study*, in Jarrige, C. and Lefèvre, V. (eds). *South Asian Archaeology 2001*, V. I: 157-170.
- Miller, H.M.-L. 2000. *Reassessing the Urban Structure at Harappa: evidence for craft production distribution*, in Taddei, M. and De Marco, G. (eds). *South Asian Archaeology 1997*: 77-100.
- Green, Adam S. 2016. Finding Harappan Seal Carvers: An Operational Sequence Approach to Identifying People in the Past. *Journal of Archaeological Science*. 72:128-141. doi:10.1016/j.jas.2016.06.008.
- Miller, H.M.-L. 2000. *Reassessing the Urban Structure at Harappa: evidence for craft production distribution*, in Taddei, M. and De Marco, G. (eds). *South Asian Archaeology 1997*: 77-100.
- Vidale, M. 2000. *The Archaeology of Indus Crafts: Indus Craftspeople and why we study them*, Rome, IsIAO.
- <https://tworains.wordpress.com/2017/04/26/introducing-the-apt-petro-lab/>

Week 10

Tuesday 6th November 2018

Lecture 18: The difficult topic of the Indus script. (Also, a return to the ethical and moral maze of Indus archaeology)

- Parpola, A. 1994. *Deciphering the Indus Script*, Cambridge, CUP.
- Parpola, A. 2008. Is the Indus script indeed not a writing system? in Airavati: Felicitation volume in honour of Iravatham Mahadevan (Varalaaru.com publishers, Chennai, India): 111-131. [Download from <http://www.harappa.com/script/indus-writing.pdf>].
- Farmer, S., Sproat, R. and Witzel, M. 2004. The Collapse of the Indus- Script Thesis: The Myth of a Literate Harappan Civilization. *EJVS* 11-2 (13 Dec. 2004): 19-57
- Rao, P.N. *et al.*, 2009. Entropic Evidence for Linguistic Structure in the Indus Script, *Science* 23 April.

Thursday 8th November 2018

Lecture 19: How to move things from A to B. The internal trading networks of the Indus Civilization.

- Bates, J., Singh, R.N., Petrie, C.A., 2017. Exploring Indus crop processing: combining phytolith and macrobotanical analyses to consider the organisation of agriculture in northwest India c. 3200–1500 BC. *Vegetation History and Archaeobotany* 26, 25–41.
- Lahiri, N. 1992. *The Archaeology of Indian Trade Routes up to c. 200 BC, Resource Use, Resource Access and Lines of Communication*, Delhi, OUP. (Read selectively).

- Law, R.W. 2011. Inter-Regional Interaction and Urbanism in the Ancient Indus Valley: A Geological Provenience Study of Harappa's Rock and Mineral Assemblage, *Linguistics, Archaeology and the Human Past, Occasional Paper 11*: 1–800

Week 11

Tuesday 13th November 2018

Lecture 20: Creating a 'world system'. How the Indus Civilization played its role in the long distance trading networks of the 3rd millennium BC.

- Parpola, A. 2005. *Administrative contact and acculturation between Harappans and Bactrians: evidence of sealings and seals*, in Jarrige, C. and Lefèvre, V. (eds). *South Asian Archaeology 2001*, V. I: 267-274.
- Possehl, G.L. 2002. Indus-Mesopotamian trade: the record in the Indus, *Iranica Antiqua* XXXVII: 322-40.
- Potts, D.T. 1993. Rethinking some aspects of trade in the Arabian Gulf, *World Archaeology* 24.3: 423-440.
- Laursen, S.T. 2016. Symbols of Dilmun's royal house – a primitive system of communication adopted from the late Indus world? *Arabian Archaeology and Epigraphy* 27: 2-18.

Thursday 15th November 2018

Lecture 21: Beyond the Indus Civilization I: what was happening in South Asia at the same time?

- Fuller, D.Q. 2006. Agricultural Origins and Frontiers in South Asia: A Working Synthesis. *Journal of World Prehistory* 20: 1-86
- Fuller, D.Q. 2008. *Domestication, diffusion and the development of agricultural villages: a study of the south Indian Neolithic*, in Raven, E. and Possehl, G.L. *South Asian Archaeology 1999*: 143-157.
- Agrawala, R.C. and Kumar, V. 1993. *Ganeshwara-Jodhpura Culture – new traits in Indian archaeology*, in Possehl, G.L. (ed.). *Harappan Civilization: A Recent Perspective*, New Delhi, Oxford and IBH: 125-134.
- Dhavalikar, M.K. 1988-89. Daimabad: a chiefdom society. *Bulletin of the Deccan College Post-Graduate and Research Institute*, 47/48: 67-78.
- Miller, D. 1981. 'Malwa' and 'Jorwe' in the chalcolithic of India, in Allchin, B. (ed.). *South Asian Archaeology 1981*, Cambridge, CUP: 213-220.

Week 12

Tuesday 20th November 2018

Lecture 22: Beyond the Indus Civilization II: was the Indus an expansive system as well as just trading beyond South Asia?

- Cleuziou, S. 1992. The Oman peninsula and the Indus Civilization: a reassessment, *Man and Environment* 17.2: 93-103.
- Dales, G.F. 1962. Harappan outposts on the Makran coast, *Antiquity* 6: 86-92

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Week 13

Tuesday 27th November 2018

Lecture 23: Collapse or transformation? Why did it all end?

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Thursday 29th November 2019

Lectures 24: The aftermath.

- Dikshit, K.N. 1979. *The Ochre Coloured Ware settlements in Ganga-Yamuna Doab*, in Agrawal, D.P. and Chakrabarti, D.K. (eds). *Essays in Indian Prehistory*, B.R. Publishing Corporation, Delhi: 285-99.
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Week 14

Tuesday 4th December 2018

Lecture 25: Review of the course

Thursday 6th December 2018

Lecture 26: Presentations of research papers

Week 15

Tuesday 11th December 2018

Lecture 27: Presentation of research papers

