

Curriculum Vitae: Michael Chazan

PERSONAL INFORMATION

Department of Anthropology
University of Toronto
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EDUCATION

1992 PhD. in Anthropology, Department of Anthropology, Yale University
 Thesis Title: *The Middle to Upper Paleolithic Transition: A Comparative Analysis* (Supervisor: Frank Hole)
1988 MPhil in Anthropology, Department of Anthropology, Yale University
1985 BA in Syro-Palestinian Archaeology, University of Pennsylvania

RESEARCH INTERESTS

Palaeolithic Archaeology, Prehistoric Technology and Human Evolution

Theory of Artifacts/Technology

Archaeology of Southern Africa, Near Eastern Prehistory

PROFESSIONAL EMPLOYMENT

2015-Present, Coordinator Material Culture Program, Victoria College, University of Toronto
2012-Present, Professor, Department of Anthropology, University of Toronto
2008-2018, Director, The Archaeology Centre, University of Toronto
2002-2012, Associate Professor, Department of Anthropology, University of Toronto
2003-Present, Fellow, Victoria College
1997-2002, Assistant Professor, Department of Anthropology, University of Toronto
1998-2003, Associate, Victoria College
1996-1997, Lecturer, Department of Anthropology, Brandeis University
1996-1997, Lecturer, Department of Anthropology, Tufts University
1997, Lecturer, Harvard Extension School
1995, Lecturer, Center for Materials Research in Archaeology and Ethnography, Boston
1994-1997, Associate, Peabody Museum, Harvard University
1993-1994, Visiting Lecturer and Postdoctoral Fellow, Hebrew University, Jerusalem
1992-1993, Postdoctoral Researcher, ERA 28 Centre National de la Recherche Scientifique

PROFESSIONAL ACTIVITIES

2021 Jukowski Lecturer, Archaeological Institute of America

2015- Board of Governors, Gardiner Museum of Ceramics
2012 Local Organizer, 2012 Meeting of the Society for Africanist Archaeology
Honorary Associate of the Evolutionary Studies Inst., Univ. of the Witwatersrand
2014 (May), Visiting Professor, Ecole des Hautes Etudes Sciences Sociale (EHESS), Paris
2010-11, Visiting Professor, Institute of Earth Science, Hebrew University (Lady Davis Fellow)

BOOKS AND JOURNAL ISSUES

2022. L.K. Horwitz, D. Morris, and M. Chazan. Quaternary Environments and Archaeology of the Northern Cape (South Africa). *Quaternary International* Vol. 614 (March 2022).
2021. Chazan, M. *World Prehistory and Archaeology: Pathways Through Time*, Routledge, 5th Edition (1st edition 2007, Allyn and Bacon, 2nd edition 2010, Pearson, 3rd edition 2013, 4th edition 2017, Routledge).
2018. Chazan, M. *The Reality of Artifacts: An Archaeological Perspective*. Routledge.
2016. Lillios, K. and M. Chazan. *Fresh Fields and Pastures New: Papers Presented in Honor of Andrew M.T. Moore*. Leiden: Sidestone Press.
2015. Chazan, M. and L.K. Horwitz. Special Issue: Archaeological and Palaeoenvironmental Perspectives on Wonderwerk Cave, South Africa. *African Archaeological Review* 32: 3 (December 2015).
2008. Chazan, M. *World Prehistory and Archaeology: Pathways Through Time*. Canadian Edition. Toronto: Pearson Canada (2nd edition 2011, 3rd edition 2014).
2007. Chazan, M. and L. Kolska Horwitz (eds.) *The Lower Paleolithic Site of Holon, Israel*. Cambridge: Peabody Museum Press.
2006. Banning, E.B. and M. Chazan (Eds). *Domesticating Space: New Research on Neolithic Architecture in the Middle East*. Berlin: Ex Oriente.

FILM

2015 *Kalahari Reflections*, with Susan Pfeiffer. <https://www.youtube.com/watch?v=EgFhtIwbX0Y>

PUBLICATIONS IN PEER-REVIEWED JOURNALS

2022. Horwitz, L. K., Morris, D., & Chazan, M. Quaternary Environments and Archaeology of the Northern Cape (South Africa). *Quaternary International*, 614, 1-6 (Volume Introduction, no peer reviewed).

2022. Fernández-Jalvo, Y., Rueda, L., Fernández, F.J., García-Morato, S., Marin-Monfort, M.D., Montalvo, C.I., Tomassini, R., **Chazan, M.**, Horwitz, L.K. and Andrews, P.,. Understanding the Impact of Trampling on Rodent Bones. *Quaternary* 5(1): 11.
2022. **Chazan, M.**, Sumner, A., Horwitz, L. K., & Morris, D. . Mining on the frontier: Archaeological excavation of the historical component at Canteen Kopje, Northern Cape Province, South Africa. *Quaternary International* 614: 146-163.
2022. Rhodes, S. E., Goldberg, P., Ecker, M., Horwitz, L. K., Boaretto, E., & **Chazan, M.** Exploring the Later Stone Age at a micro-scale: New high-resolution excavations at Wonderwerk Cave. *Quaternary International* 614: 126-145..
2022. Marin-Monfort, M. D., García-Morato, S., Andrews, P., Avery, D. M., **Chazan, M.**, Horwitz, L. K., & Fernández-Jalvo, Y. The owl that never left! Taphonomy of Earlier Stone Age small mammal assemblages from Wonderwerk Cave (South Africa). *Quaternary International*, 614, 111-125.
2022. Sobol, M. K., **Chazan, M.**, Scott, L., & Finkelstein, S. A. Characterizing the Meghalayan Stage in southern Africa: A multiproxy record of paleoenvironmental change at the southern margin of the Kalahari. *Quaternary International* 614: 98-110.
2021. Shaar, R., Matmon, A., Horwitz, L.K., Ebert, Y, **Chazan, M.** with the ASTER Team. Magnetostratigraphy and cosmogenic dating of Wonderwerk Cave: New constraints for the chronology of the South African Earlier Stone Age. *Quaternary Science Reviews* 259: 106907.
2021. Ecker, M., Bank, C.G., Chazan, M., Chen, Y., Green, C., Morris, D., Stoikopoulos, N., Shadrach, K., Stratford, D., Duke, H. . Revisiting Pniel 6: The 2017-2019 excavations. *South African Archaeological Bulletin* 76, no. 214: 57-69.
2021. Wang, N., Brown, S., Ditchfield, P., Hebestreit, S., Kozilikin, M., Luu, S., Wedage, O., Gremaldi, S., **Chazan, M.**, Kolska Horwitz, L., Spriggs, M., Summerhayes, G., Shunkov, M., Richter, K.K., Douka, K. Testing the efficacy and comparability of ZooMS protocols on archaeological bone. *Journal of Proteomics*, 233, 104078.
2020. Richard, M., **Chazan, M.**, & Porat, N. Single grain TT-OSL ages for the Earlier Stone Age site of Bestwood 1 (Northern Cape Province, South Africa). *Quaternary International*. <https://doi.org/10.1016/j.quaint.2020.08.019>.
2020. **Chazan, M.** Levallois. In *Oxford Research Encyclopedia of Anthropology*.
2020. **Chazan, M.**, Berna, F., Brink, J., Ecker, M., Holt, S., Porat, N., Thorp, J.L., Horwitz, L.K. Archaeology, paleoenvironment, and chronology of an Early Middle Stone Age context in the interior of southern Africa. *Journal of Paleolithic Archaeology* 3: 302-335.
2020. Lukich, V., Cowling, S. and **Chazan, M.** Palaeoenvironmental reconstruction of Kathu Pan,

South Africa, based on sedimentological data. *Quaternary Science Reviews*, 230, p.106153.

2020. Rhodes, S., Banning, E.B. and **Chazan, M.** Mugharat an-Nachcharini: A specialized sheep-hunting camp reveals high-altitude habitats in the earliest Neolithic of the Central Levant. *PloS one*, 15(1), p.e0227276.

2019. Lukich, Vasilija, Naomi Porat, Galina Faershtein, Sharon Cowling, and **Michael Chazan.** New Chronology and Stratigraphy for Kathu Pan 6, South Africa. *Journal of Paleolithic Archaeology* 2, no. 3: 235-257.

2019. Papadimitrios, K. S., Bank, C. G., Walker, S. J., & **Chazan, M.** Palaeotopography of a Palaeolithic landscape at Bestwood 1, South Africa, from ground-penetrating radar and magnetometry. *South African Journal of Science*, 115(1-2), 1-7. (C)

2018. Magness, J., Kisilevitz, S., Grey, M., Mizzi, D., Schindler, D., Wells, M., Britt, K., Boustan, R., O'Connell, S., Hubbard, E., George, J., Ramsay, J., Boaretto, E., **Chazan, M.** The Huqoq Excavation Project: 2014–2017 Interim Report. *Bulletin of the American Schools of Oriental Research*, 380(1), 61-131. (My contribution limited to input on radiocarbon dating and micromorphology).

2018. Ecker, M., Brink, J.S., Rossouw, L., **Chazan, M.**, Horwitz, L.K. and Lee-Thorp, J.A., The palaeoecological context of the Oldowan-Acheulean in southern Africa. *Nature Ecology & Evolution* 2: 1080-1086.

2017. **Chazan, M.**, L.K. Horwitz, M. Ecker, C. Koopowitz, S.E. Rhodes, D. Morris, F. Berna. Renewed excavations at Wonderwerk Cave, South Africa. *Evolutionary Anthropology: Issues, News, and Reviews* 26(6): 258-260.

2017. **Chazan, M.** Variability, Flexibility and Constraint: Towards the Evolutionary Roots of Teaching. *Review of Philosophy and Psychology* (2017): 1-8.

2017. **Chazan, M.** Toward a Long Prehistory of Fire. *Current Anthropology* 58, no. S16: S351-S359.

2017. Ecker, M., Brink, J., **Chazan, M.**, Horwitz, L.K., and Lee-Thorp, J.A. Radiocarbon dates constrain the timing of environmental and cultural shifts in the Holocene strata of Wonderwerk Cave, South Africa. *Radiocarbon* 59(4): 1067-1086.

2016. Demarchi, B., Hall, S., Roncal-Herrero, T., Freeman, C.L., Woolley, J., Crisp, M.K., Wilson, J., Fotakis, A., Fischer, R., Kessler, B.M. and Jersie-Christensen, R.R., Olsen, J.V., Haile, J., Thomas, J., Marean, C.W., Parkington, J., Presslee, S., Lee-Thorp, J., Ditchfield, P. Hamilton, J.F., Ward, M.W., Wang, C.M., Shaw, M.D., Harrison, T., Dominguez-Rodrigo, M., MacPhee, R.D.E., Kwekason, A., Ecker, M., Horwitz, L.K., **Chazan, M.**, Kröger, R., Thomas-Oates, J. Harding, J.H., Cappellini, E., Penkman, K., Collins, M.J. Protein sequences bound to mineral surfaces persist into deep time. *Elife*, 5, p.e17092.

Chazan, M. 2016. Geology/archaeology in action: a personal perspective. *Archaeological and Anthropological Sciences*: 1-6. (doi:10.1007/s12520-016-0412-2)

Rhodes, S.E., Walker, M.J., López-Jiménez, A., López-Martínez, M., Haber-Uriarte, M., Fernández-Jalvo, Y. and **Chazan, M.**, 2016. Fire in the Early Palaeolithic: Evidence from burnt small mammal bones at Cueva Negra del Estrecho del Río Quípar, Murcia, Spain. *Journal of Archaeological Science: Reports*, 9, pp.427-436.

2016. Watts, I., **Chazan, M.**, Wilkins, J. Early evidence for brilliant ritualized display: Specularite use in the Northern Cape (South Africa) between ~500 ka and ~300 ka. *Current Anthropology* 57, no. 3 (June 2016): 287-310.

2016. **Chazan, M.** Technological Radiation and the Process of Technological Change at the end of the Levantine Lower Paleolithic. *Quaternary International* 411: 59–66.

2016. Macdonald, D., **Chazan, M.**, and Janetski, J. The Geometric Kebaran Occupation and Lithic Assemblage of Wadi Mataha, Southern Jordan. *Quaternary International* 396 (issue edited by D. Olszewski): 105-120.

2015. **Chazan, M.** The Fauresmith and archaeological systematics. *Changing Climates, Ecosystems and Environments within Arid Southern Africa and Adjoining Regions: Palaeoecology of Africa* 33: 59-69.

2015 Horwitz, L.K., **Chazan, M.** Past and Present at Wonderwerk Cave, Northern Cape Province, South Africa. *African Archaeological Review* 32(4): 595-612.

2015. **Chazan, M.** Technological Trends in the Acheulean of Wonderwerk Cave, South Africa. *African Archaeological Review* 32(4): 701-728 .

2015. Goldberg, P., Berna, F., and **Chazan, M.** Deposition and diagenesis in the Earlier Stone Age of Wonderwerk Cave, Excavation 1, South Africa. *African Archaeological Review* 32(4): 613-643.

2015. Matmon, A., Hidy, A.J., Vainer, S., Crouvi, O., Fink, D., Erel, Y., ASTER TEAM5, Horwitz, L.K. and **Chazan, M.** New chronology for the southern Kalahari Group sediments: implications for sediment cycle dynamics and early hominin occupation. *Quaternary Research* 84(1): 118-132.

2015. Wilkins, J., B.J. Schoville, K.S. Brown, and **M. Chazan.** Kathu Pan 1 points and the assemblage-scale, probabilistic approach: a response to Rots and Plisson, Projectiles and the abuse of the use-wear method in a search for impact. *Journal of Archaeological Science* 54: 294-299.

2014. Walker, S. J., Lukich, V., & **Chazan, M.** Kathu Townlands: A High Density Earlier Stone

Age Locality in the Interior of South Africa. *PloS one*,9(7): e103436.

2014 Riddle, Andrew TR, and **M. Chazan**. "Stone tools from the inside out: radial point distribution." *World Archaeology* 46: 123-136.

2013 Lister, A.M., W. Dirks, A. Assaf, M. **Chazan**, P. Goldberg, Y.H. Applbaum, N. Greenbaum, and L.K. Horwitz. New fossil remains of *Elephas* from the southern Levant: Implications for the evolutionary history of the Asian elephant. *Palaeogeography, Palaeoclimatology, Palaeoecology* 386 (2013): 119-130.

2013 **Chazan, M.** Butchering large animals with small tools: The Implications of the Evron Quarry assemblage for the Behaviour of *Homo erectus*. *Antiquity* 87(336): 350-367.

2013. **Chazan, M.**, N. Porat, A. Sumner, L.K. Horwitz. The use of OSL dating in unstructured sands: The archaeology and chronology of the Hutton Sands at Canteen Kopje (Northern Cape Province, South Africa). *Anthropological and Archaeological Sciences*. 5: 351-363.

2012. **Chazan, M.**, Avery, M.D., Bamford, M.K., Berna, F., Brink, J., Fernandez-Jalvo, Y., Goldberg, P., Matmon, A., Porat, N., Ron, H., Rossouw, L., Scott, L., Horwitz, L.K. Oldowan Occupation at Wonderwerk Cave, South Africa: Archaeology, Geology, Paleontology, and Paleoclimate. *Journal of Human Evolution* 63: 859-866.

2012. **Chazan, M.** Handaxes, Concepts, and Teaching. *Mind, Brain, and Education*, 6(4): 197-203.

2012. Wilkins, J., Schoville, B. J., Brown, K. S., **Chazan, M.** Evidence for Early Hafted Hunting Technology. *Science*, 338(6109): 942-946.

2012. Berna, F., P. Goldberg, L.K. Horwitz, J. Brink, S. Holt, M. Bamford, and **M. Chazan**. Microstratigraphic evidence of in situ fire in the Acheulean strata of Wonderwerk Cave, Northern Cape province, South Africa. *Proceedings of the National Academy of Sciences* 109: E1215-E1220.

2012. Jacobson, L., F.C. de Beer, R. Nshimirimana, L.K. Horwitz, and **M. Chazan**. Neutron tomographic assessment of incisions on prehistoric stone slabs: a case study from Wonderwerk Cave, South Africa. *Archaeometry*. 55: 1-13.

2012. Wilkins, J. and **M. Chazan**. Blade production ~500 thousand years ago at Kathu Pan 1, South Africa: support for a multiple origins hypothesis for early Middle Pleistocene blade technology. *Journal of Archaeological Science*, Available online 4 February 2012.

2012. Matmon, A., H. Ron, **M. Chazan**, N. Porat, L.K. Horwitz. Reconstruction the history of sediment deposition in caves: A case study from Wonderwerk Cave, South Africa. *Geological Society of America Bulletin* 124 (3-4): 611-625.

2012. Smith, P., R. Nshimirimana, F. de Beer, D. Morris, L. Jacobson, **M. Chazan**, and L.K. Horwitz. Canteen Kopje: A new look at an old skull. *South African Journal of Science* 108(1-2): 9 pages.

2011. Gregg, M., **M. Chazan**, and J.C. Janetski. Variability in symbolic behavior in the southern Levant at the end of the Pleistocene. *Before Farming* 11(1): Article 1.

2011. Maher, L.A., E.B. Banning, and **M. Chazan**. Oasis or Mirage? Assessing the Role of Abrupt Climate Change in the Prehistory of the Southern Levant. *Cambridge Archaeological Journal* 21(1): 1-30.
2010. Baadsgaard, A., **M. Chazan**, L. Scott Cummings, and J.C. Janetski. Natufian strategy shifts: evidences from Wadi Mataha 2, Petra, Jordan. *Eurasian Prehistory* 7(1): 7-27.
2010. **Chazan, M.** Technological perspectives on the Upper Paleolithic. *Evolutionary Anthropology* 41(4): 57-65.
2010. **Chazan, M.** and Horwitz, L.K. Milestones in the development of symbolic behaviour: A case study from Wonderwerk Cave, South Africa. *World Archaeology* 41(4): 521-539.
2009. **Chazan, M.** Consequently That Now In Our Possession Was Sold: The Sale of the De Mortillet Collection. *Histories of Anthropology Annual*, edited by R. Darnell and F.W. Gleach. University of Nebraska Press, pp. 73-89.
2009. Porat, N., **Chazan, M.**, Grun, R., Aubert, M., Eisenmann, V., Kolska-Horwitz, L. New radiometric ages for the Fauresmith industry from Kathu Pan, Southern Africa: Implications for the Earlier to Middle Stone Age Transition. *Journal of Archaeological Science* 37: 269-283.
2009. Ruther, H., **M. Chazan**, R. Schroeder, R. Neeser, C. Held, S.J. Walker, A. Matmon, and L.K. Horwitz. Laser scanning for conservation and research of African cultural heritage sites: The case study of Wonderwerk Cave, South Africa. *Journal of Archeological Science* 38: 1847-1856.
2008. **Chazan, M.**, H. Ron, A. Matmon, N. Porat, P. Goldberg, R. Yates, M. Avery, A. Sumner, and L.K. Horwitz. First radiometric dates for the earlier stone age sequence in Wonderwerk Cave, South Africa. *Journal of Human Evolution* 55:1-11.
2008. **Chazan, M.** Culture, information, and inheritance: New perspectives on old questions. *Reviews in Anthropology* 37(1): 3-15.
2006. **Chazan, M.** and L.K. Horwitz. Finding the Message in Complexity: The Association of Lithics and Fauna on Lower Paleolithic Multiple Carcass Sites. *Journal of Anthropological Archaeology* 25: 436-447.
2005. Stock, J.T., S. Pfeiffer, **M. Chazan**, and J. Janetski F-81 skeleton from Wadi Mataha, Jordan, and its bearing on human variability in the Epipaleolithic of the Levant, *American Journal of Physical Anthropology* 128(2): 453-465.
2002. Porat, N., **M. Chazan**, H. Schwarcz and L. Horwitz. Timing of the Lower to Middle Paleolithic boundary: new dates from the Levant. *Journal of Human Evolution* 43(1): 107-122.
2001. **Chazan, M.** Bladelet production in the Aurignacian of Hayonim Cave, Israel. *Paléorient* 27(1): 81-88.

2001. **Chazan, M.** Bladelet Production in the Aurignacian of La Ferrassie (Dordogne, France). *Lithic Technology* 26(1): 16-28.
2001. **Chazan, M.**, H. Monchot, N. Porat, A. Lister, P. Davies, and L.K. Horwitz. Le site acheuléen d'Holon (Israël): premiers résultats. *C.R.A.S. Paris* 332: 201-207.
2000. **Chazan, M.** Flake Production at the Lower Paleolithic Site of Holon (Israel): Implications for the Origin of the Levallois Method. *Antiquity* 74: 495-499.
2000. **Chazan, M.** Typological Analysis of the Lower Paleolithic Site of Holon, Israel. *Mitekufat Haeven: Journal of the Israel Prehistoric Society* 30: 7-32.
1999. Porat, N., L.P. Zhou, **M. Chazan**, T. Noy, and L.K. Horwitz. Lower Paleolithic Open-Air Site of Holon, Israel-- Luminescence and ESR Dates. *Quaternary Research* 51 (3): 328-341.
1997. **Chazan, M.** Redefining Levallois. *Journal of Human Evolution* 33: 719-735.
1995. **Chazan, M.** Response and Counterresponse to the Establishment of Human Antiquity: The Development of Paleolithic Chronology. *American Anthropologist* 97(3): 457-467.
1995. **Chazan, M.** An Examination of the Language Hypothesis for the Middle to Upper Paleolithic Transition Based on a Multiregional Lithic Analysis. *Current Anthropology* 36(5): 749-768.
1995. **Chazan, M.** A Reassessment of the Middle Paleolithic Lithic Industry from Haua Fteah, Libya. *Paleorient* 21(1): 65-73.
1993. **Chazan, M.** Mapping Archaeological Time at the Valley of the Caves. *Mitekufat Haeven: The Journal of the Israel Prehistoric Society* 25: 5-12.
1990. **Chazan, M.** and M. Lehner. An Ancient Analogy: Pot Baked Bread in Ancient Egypt and Mesopotamia. *Paleorient* 16 (2): 21-36.
1984. **Chazan, M.** and P.E. McGovern. Khirbet Kerak Pottery at Beth Shan: Technological Evidence for Local Manufacture. *MASCA Journal* 3 (1): 20-24.

PAPERS IN EDITED BOOKS

In Press. Chazan, M. and L.K. Horwitz. Wonderwerk Cave and the Kathu Complex. In *Handbook of Pleistocene Archaeology of Africa*, edited by A. Beyin, D. Wright, J. Wilkins, and D. Olszewski. Springer Nature.

In Press. Horwitz, L.K., Avery, M.D., Bamford, M., Berna, F., Brink, J., Ecker, M., Fernandez-Jalvo, Y., Goldberg, P., Holt, S., Lee-Thorp, J., Matmon, A., Pickering, R., Porat, N.,

Rossouw, L., **Chazan, M.** Wonderwerk Cave, Northern Cape Province: An Early–Middle Pleistocene Palaeoenvironmental Sequence for the Interior of South Africa. In *African Paleoenvironments*, edited by S. Reynolds and R. Bobe. New York: Springer.

2020. **Chazan, M.** Reframing the Wonderwerk slabs and the origins of art in Africa. In Wingfield, C., Giblin, J., and King, R. *The Past and Presence of Art in South Africa: Technologies, Ontologies, and Agents*. McDonald Institute for Archaeological Research, pp. 21-30.

2019. **Chazan, M.** Ratchets and Replacement: The Potential Role of Cultural Accumulation in the Replacement of Neanderthals by Modern Humans. In *Learning Among Neanderthals and Palaeolithic Modern Humans*, edited by Yoshihiro Nishiaki and Olaf Joris, New York: Springer, p. 207-212.

2016 **Chazan, M.** A circle of brilliant minds: Reflections on Erice, in *Mind, Brain, and Education at Erice*, edited by Antonio M. Battro, Kurt W. Fischer & Maria Lourdes Majdalani. Erice, Italy: Ettore Majorana Foundation and Centre for Scientific Culture, pp. 83-89.

2016. **M. Chazan** and K. Lillios. Preface. In *Fresh Fields and Pastures New: Papers Presented in Honor of Andrew M.T. Moore*, edited by K. Lillios and M. Chazan. Leiden: Sidestone Press, pp. 7-10.

2016. Horwitz, L.K. and **M. Chazan**. Taking a Lévy Walk: Early Hominin Mobility in the Lower Paleolithic of the Southern Levant. In *Fresh Fields and Pastures New: Papers Presented in Honor of Andrew M.T. Moore*, edited by K. Lillios and M. Chazan. Leiden: Sidestone Press, pp. 165-186.

2015. **Chazan, M.** Terra Amata from the perspective of the Lower Paleolithic of the Middle East. *Terra Amata Vol. 6: Industrie Lithique*.

2015. **Chazan, M.** The Lithic Sequence from Wonderwerk Cave, Excavations 1 and 2. Proceedings of the 2010 joint meeting of the Panafrican Archaeological Congress and the Society of Africanist Archaeologists, Dakar, Senegal, pp. 247-252.

2015. **M. Chazan** and Horwitz, L.K. An Overview of Recent Research at Wonderwerk Cave, South Africa. Proceedings of the 2010 joint meeting of the Panafrican Archaeological Congress and the Society of Africanist Archaeologists, Dakar, Senegal, pp. 253-261.

2012. Monchot, H., **M. Chazan**, and L.K. Horwitz. Testing the spatial association of lithic and faunal remains: A case study from the Lower Palaeolithic site of Holon (Israel). In *Bones for Tools, Tools for Bones: the Interrelationship of Lithic and Bone Raw Materials*, edited by K. Seetah and B. Gravina. Cambridge: McDonald Institute Monograph, pp. 25-39.

2009. **Chazan, M.** Assessing the Lower to Middle Paleolithic Transition. In *Sourcebook of Paleolithic Transitions*, edited by M. Camps and P. Chauhan. New York: Springer, pp. 237-244.

2009. **Chazan, M.** Pattern and technology: Why the *Chaîne Opératoire* matters. In *Transitions*

in Prehistory: Essays in Honor of Ofer Bar-Yosef, edited by John Shea and Daniel Lieberman. Cambridge: American School of Prehistoric Research, pp. 469-478.

2007. **Chazan, M.** Introduction. In *The Lower Paleolithic Site of Holon, Israel*, edited by M. Chazan and L.K. Horwitz. Cambridge: Peabody Museum Press, pp. 1-16.

2007. Netser, M. and **M. Chazan.** The Geological Setting. In *The Lower Paleolithic Site of Holon, Israel*, edited by M. Chazan and L.K. Horwitz. Cambridge: Peabody Museum Press, pp. 17-26.

2007. **Chazan, M.** Lithic typology. In *The Lower Paleolithic Site of Holon, Israel*, edited by M. Chazan and L.K. Horwitz. Cambridge: Peabody Museum Press, pp. 43-60.

2007. **Chazan, M.** Lithic technology. In *The Lower Paleolithic Site of Holon, Israel*, edited by M. Chazan and L.K. Horwitz. Cambridge: Peabody Museum Press, pp. 61-84.

2007. **Chazan, M.**, Monchot, H., and Horwitz, L.K. Spatial analysis of lithic artifacts and fauna from Holon. In *The Lower Paleolithic Site of Holon, Israel*, edited by M. Chazan and L.K. Horwitz. Cambridge: Peabody Museum Press, pp.163-180.

2007. Horwitz, L.K. and **Chazan, M.** Holon in the context of the Levantine Late Lower Paleolithic. In *The Lower Paleolithic Site of Holon, Israel*, edited by M. Chazan and L.K. Horwitz. Cambridge: Peabody Museum Press, pp.181-190.

2006. Banning, E.B. and **M. Chazan.** Structuring interactions, structuring ideas: Domestication of space in the prehistoric Near East. In *Domesticating Space: New Research on Neolithic Architecture in the Middle East*, edited by E.B. Banning and M. Chazan. Berlin: Ex Oriente, pp. 5-14.

2005. Janetski, J. and **M. Chazan.** The Epipaleolithic Site of Wadi Mataha, Jordan. In *The Last Hunter-Gatherer Societies in the Near East*, edited by C. Delage. Oxford: British Archaeological Reports International Series.

2002. **Chazan, M.** Generating the Middle to Upper Paleolithic Transition: A *Chaîne Opératoire* Approach. In *More than Meets the Eye: Studies on Upper Palaeolithic Diversity in the Near East*, edited by A. Nigel Goring-Morris and Anna Belfer-Cohen. Oxford: Oxbow Books.

2000. **Chazan, M.** Culture and Technology in the Early Years of the Smithsonian. In *The Entangled Past: Proceedings of the 30th Annual Chacmool Conference*, edited by J. Erwin, M. Boyd, and M. Hendrickson. Calgary: Department of Archaeology, University of Calgary.

1995. **Chazan, M.** The Meaning of Homo Sapiens. In *Ape, Man, Apeman: Changing Views since 1600*, edited by Raymond Corbey and Bert Theunissen. Department of Prehistory, Leiden University, pp. 229-240.

OTHER PUBLICATIONS

2021 Banning, T., **Chazan, M.**, Fox, W., Hawkins, A., Lubell, D., Rhodes, S. In Memorium: H. Bruce Schroeder. Ontario Archeological Society Arch Notes 26(2): 30-32.

2021. **Chazan, M.** Obituary Ofer Bar Yosef. *Mitteilungender Gesellschaft für Urgeschichte* Volume 29: 149-153.

2019. **Chazan, M.**, Horwitz, L.K., Koopowitz, C. Wonderwerk Cave: The Search for Ancestral Fire. *Natural History Magazine* 127(8): 8-10.

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SCIENTIFIC SOCIETIES

Board of Governors, Gardiner Museum, 2015-
Local Organizer, 2012 Meeting of the Society for Africanist Archaeology
President, Toronto Semiotic Circle, 2007
President, Toronto Chapter of the American Institute of Archaeology, 2006
Vice President, Toronto Chapter of the American Institute of Archaeology, 2007-2009
Program Committee, Society for American Archaeology, 2007
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