



Curriculum Vitae

Jayson David John Orton

ARCHAEOLOGIST AND HERITAGE CONSULTANT

Contact Details and personal information:

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Birth date and place: 22 June 1976, Cape Town, South Africa
Citizenship: South African
ID no: 760622 522 4085
Driver's License: Code 08
Marital Status: Married to Carol Orton
Languages spoken: English and Afrikaans

Education:

SA College High School	Matric	1994
University of Cape Town	B.A. (Archaeology, Environmental & Geographical Science)	1997
University of Cape Town	B.A. (Honours) (Archaeology)*	1998
University of Cape Town	M.A. (Archaeology)	2004
University of Oxford	D.Phil. (Archaeology)	2013

*Frank Schweitzer memorial book prize for an outstanding student and the degree in the First Class.

Employment History:

Spatial Archaeology Research Unit, UCT	Research assistant	Jan 1996 – Dec 1998
Department of Archaeology, UCT	Field archaeologist	Jan 1998 – Dec 1998
UCT Archaeology Contracts Office	Field archaeologist	Jan 1999 – May 2004
UCT Archaeology Contracts Office	Heritage & archaeological consultant	Jun 2004 – May 2012
School of Archaeology, University of Oxford	Undergraduate Tutor	Oct 2008 – Dec 2008
ACO Associates cc	Associate, Heritage & archaeological consultant	Jan 2011 – Dec 2013
ASHA Consulting (Pty) Ltd	Director, Heritage & archaeological consultant	Jan 2014 –

Professional Accreditation:

Association of Southern African Professional Archaeologists (ASAPA) membership number: 233

CRM Section member with the following accreditation:

- Principal Investigator: Coastal shell middens (awarded 2007)
Stone Age archaeology (awarded 2007)
Grave relocation (awarded 2014)
- Field Director: Rock art (awarded 2007)
Colonial period archaeology (awarded 2007)

Association of Professional Heritage Practitioners (APHP)

- Accredited Professional Heritage Practitioner

➤ **Memberships and affiliations:**

South African Archaeological Society Council member	2004 –
Assoc. Southern African Professional Archaeologists (ASAPA) member	2006 –
UCT Department of Archaeology Research Associate	2013 –
Heritage Western Cape APM Committee member	2013 –
UNISA Department of Archaeology and Anthropology Research Fellow	2014 –
Fish Hoek Valley Historical Association	2014 –
Kalk Bay Historical Association	2016 –
Association of Professional Heritage Practitioners member	2016 –

➤ **Fieldwork and project experience:**

Extensive fieldwork as both Field Director and Principle Investigator throughout the Western and Northern Cape, and also in the western parts of the Free State and Eastern Cape as follows:

Phase 1 surveys and impact assessments:

- Project types
 - Notification of Intent to Develop applications (for Heritage Western Cape)
 - Heritage Impact Assessments (largely in the Environmental Impact Assessment or Basic Assessment context under NEMA and Section 38(8) of the NHRA, but also self-standing assessments under Section 38(1) of the NHRA)
 - Archaeological specialist studies including Phase 1 test excavations (historic & prehistoric sites)
 - Phase 1 test excavations in historical and prehistoric sites
 - Archaeological research projects
- Development types
 - Mining and borrow pits
 - Roads (new and upgrades)
 - Residential, commercial and industrial development
 - Dams and pipe lines
 - Power lines and substations
 - Renewable energy facilities (wind energy, solar energy and hydro-electric facilities)

Phase 2 mitigation and research excavations:

- ESA open sites
 - Duinefontein, Gouda
- MSA rock shelters
 - Fish Hoek, Yzerfontein, Cederberg, Namaqualand
- MSA open sites
 - Swartland, Bushmanland, Namaqualand
- LSA rock shelters
 - Cederberg, Namaqualand, Bushmanland
- LSA open sites (inland)
 - Swartland, Franschhoek, Namaqualand, Bushmanland
- LSA coastal shell middens
 - Melkbosstrand, Yzerfontein, Saldanha Bay, Paternoster, Dwarskersbos, Infanta, Knysna, Namaqualand
- LSA burials
 - Melkbosstrand, Saldanha Bay, Namaqualand, Knysna
- Historical sites
 - Franschhoek (farmstead and well), Waterfront (fort, dump and well), Noordhoek (cottage), variety of small excavations in central Cape Town and surrounding suburbs
- Historic burial grounds
 - Green Point (Prestwich Street), V&A Waterfront (Marina Residential), Paarl

Publications:

- Orton, J.D.J. and Halkett, D.J. 2001. Mid-Holocene denticulates in the Richtersveld. *Southern African Field Archaeology* 10:19-22.
- Orton, J. 2002. Patterns in stone: the lithic assemblage from Dunefield Midden, Western Cape, South Africa. *South African Archaeological Bulletin* 57(175): 31-37.
- Halkett, D., Hart, T., Yates, R., Volman, T.P., Parkington, J., Orton, J., Klein, R.G., Cruz-Urbe, K. & Avery, G. 2003. First excavation of intact Middle Stone Age layers at Ysterfontein, Western Cape Province, South Africa: implications for Middle Stone Age ecology. *Journal of Archaeological Science* 30: 955-971.
- Sadr, K., Smith, A., Plug, I., Orton, J. & Mutti, B. 2003. Herders and foragers on Kasteelberg: interim report on excavations 1999-2002. *South African Archaeological Bulletin* 58: 27 – 32.
- Orton, J. 2002/2003. Superficial comparisons and reality: a reassessment of Dunefield Midden and the Swartkop Industry. *Southern African Field Archaeology* 11 & 12: 63-67.
- Orton, J., Hart, T. & Halkett, D. 2005. Shell middens in Namaqualand: two Later Stone Age sites at Rooiwalbaai, Northern Cape. *South African Archaeological Bulletin* 60: 24-32.
- Dewar, G., Halkett, D., Hart, T., Orton, J. and Sealy, J. 2006. Implications of a mass kill site of springbok (*Antidorcas marsupialis*) in South Africa: hunting practices, gender relations and sharing in the Later Stone Age. *Journal of Archaeological Science* 33: 1266-1275.
- Orton, J. and Compton, J.S. 2006. A reworked mid-Holocene lithic assemblage at Dunefield Midden 1, Elands Bay, South Africa. *South African Archaeological Bulletin* 61: 90-95.
- Orton, J. 2006. The Later Stone Age lithic sequence at Elands Bay, Western Cape, South Africa. *Southern African Humanities* 18 (2): 1-28.
- Orton, J. 2007. Excavations at four sites near Jakkalsberg in the Richtersveld. *The Digging Stick* 24(1): 9-13.
- Orton, J. 2007. The sampling of ephemeral shell scatters in Namaqualand, South Africa. *South African Archaeological Bulletin* 62: 74-78.
- Orton, J. & Halkett, D. 2007. Excavations at Noetzie Midden: an open site on the Cape south coast. *The Digging Stick* 24 (3): 5-7.
- Orton, J. 2008. A useful measure of the desirability of different raw materials for retouch within and between assemblages: the raw material retouch index (RMRI). *Journal of Archaeological Science* 35: 1090-1094.
- Orton, J. 2008. Later Stone Age ostrich eggshell bead manufacture in the Northern Cape, South Africa. *Journal of Archaeological Science* 35: 1765-1775.
- Orton, J. & Mackay, A. 2008. New excavations at Klein Kliphuis rock shelter, Cederberg Mountains, Western Cape, South Africa: the late Holocene deposits. *South African Archaeological Bulletin* 63: 69-76.
- Orton, J. 2008. A late Pleistocene microlithic Later Stone Age assemblage from coastal Namaqualand, South Africa. *Before Farming* [Online Version] 2008/1: article 3. <http://dx.doi.org/10.3828/bfarm.2008.1.3>
- Avery, G., Halkett, D., Orton, J., Steele, T. & Klein, R. 2008. The Ysterfontein 1 Middle Stone Age Rockshelter and the evolution of coastal foraging. *South African Archaeological Society Goodwin Series* 10: 66-89.
- Challis, S., Mitchell, P. & Orton, J. 2008. Fishing in the Rain: control of rain-making and aquatic resources at a previously undescribed rock art site in highland Lesotho. *Journal of African Archaeology* 6: 203-218.
- Orton, J. 2009. Rescue excavation at Diaz Street Midden, Saldanha Bay, South Africa. *Azania: Archaeological Research in Africa* 44: 107-120.

- Orton, J. 2009. Hunters or herders? Evidence from the cultural assemblages at Bakoond, Western Cape, South Africa. *Before Farming* [online version] 2009/4: article 1.
- Orton, J. & Halkett, D. 2010. Stone tools, beads and a river: two Holocene microlithic sites at Jakkalsberg in the northwestern Richtersveld, Northern Cape. *South African Archaeological Bulletin* 65: 13-25.
- Orton, J. & Mackay, A. 2010. Klein Kliphuis clarifications: a reply to Jerardino. *South African Archaeological Bulletin* 65: 104-105.
- Mackay, A., Orton, J., Schwartz, S. & Steele, T. 2010. Soutfontein (SFT)-001: preliminary report on an open-air site rich in bifacial points, southern Namaqualand, South Africa. *South African Archaeological Bulletin* 65: 84-95.
- Orton, J., Klein, R.G., Mackay, A. Schwartz, S. & Steele, T.E. 2011. Two Holocene rock shelter deposits from the Knersvlakte, southern Namaqualand, South Africa. *Southern African Humanities* 23: 109-150.
- Orton, J. 2012. Tortoise burials in Namaqualand: uncovering ritual behaviour on South Africa's west coast. *Azania: archaeological research in Africa* 47: 99-114.
- Orton, J., Jerardino, A. & Halkett, D. 2012. On limpets, their height and how to get them on the plate: a response to Gareth Angelbeck. *The Digging Stick* 29(1): 13-14.
- Orton, J. 2012. Rhebokfontein 1. Do we have Khoekhoen in the Darling Hills? *The Digging Stick* 29(2): 10-12.
- Steele, T.E., Mackay, A., Orton, J. & Schwartz, S. 2012. Varsche Rivier 003, a new Middle Stone Age site in southern Namaqualand, South Africa. *South African Archaeological Bulletin* 67: 108-119.
- Orton, J., Mitchell, P., Klein, R. & Steele, T. & Horsburgh, A. 2013. An early date for cattle from Namaqualand, South Africa: implications for the origins of herding in southern Africa. *Antiquity* 87: 108-120.
- Orton, J. 2013. MBS164: observations from the Melkbosstrand shoreline, Table Bay. *The Digging Stick* 30(1): 9-12.
- Orton, J. 2013. Late Holocene archaeology in Namaqualand, South Africa: hunter-gatherers and herders in a semi-arid environment. *Azania: Archaeological Research in Africa* 48: 149-150. [thesis abstract]
- Orton, J. 2013. Geometric rock art in western South Africa and its implications for the spread of early herding. *South African Archaeological Bulletin* 68: 27-40.
- Webley, L. & Orton, J. 2013. Excavation of two shell middens at Port Nolloth on the Namaqualand coastline, South Africa. *South African Archaeological Bulletin* 68: 86-92.
- Jerardino, A., Klein, R.G., Navarro, R., Orton, J. & Horwitz, L. 2013. Settlement and subsistence patterns since the terminal Pleistocene in the Elands Bay and Lamberts Bay areas. In: Jerardino, A., Malan, A. & Braun, D. (eds) *The Archaeology of the West Coast of South Africa*: 85-108. Oxford: BAR International Series 2526.
- Dewar, G. & Orton, J. 2013. Subsistence, settlement and material culture on the central Namaqualand coastline. In: Jerardino, A., Malan, A. & Braun, D. (eds) *The Archaeology of the West Coast of South Africa*: 109-123. Oxford: BAR International Series 2526.
- Orton, J. & Webley, L. 2014. A complete pot from northern Bushmanland. *The Digging Stick* 31(1): 13.
- Orton, J. 2014. The late pre-colonial site of Komkans 2 (KK002) and an evaluation of the evidence for indigenous copper smelting in Namaqualand, southern Africa. *Azania: Archaeological Research in Africa* 49: 386-410.
- Orton, J. 2014. SALSA: the Holocene technocomplexes, a reply to Lombard and colleagues. *South African Archaeological Bulletin* 69: 110-112.
- Orton, J. 2015. The introduction of pastoralism to southernmost Africa: thoughts on new contributions to an ongoing debate. *Azania: Archaeological Research in Africa* 50: 250-258.

- Orton, J., Halkett, D., Hart, T., Patrick, M. & Pfeifer, S. 2015. An unusual pre-colonial burial from Bloubergstrand, Table Bay, South Africa. *South African Archaeological Bulletin* 70: 106-112.
- Horsburgh, K.A., Orton, J. & Klein, R.G. 2016. Beware the Springbok in Sheep's Clothing: How Secure Are the Faunal Identifications upon Which We Build Our Models? *African Archaeological Review*. DOI 10.1007/s10437-016-9231-1.
- Orton, J. 2016. Late Holocene Artifact Patterns and the Introduction of Herding to Semi-Arid Coastal Namaqualand, South Africa. *Journal of Island and Coastal Archaeology* 12(1): 78-94.
- Steele, T.E., Mackay, A., Fitzsimmons, K., Igreja, M., Marwick, B., Orton, J., Schwartz, S. & Stahlschmidt, M. 2016. Varsche Rivier 003: a Middle and Later Stone Age site with Still Bay and Howiesons Poort assemblages in southern Namaqualand, South Africa. *PaleoAnthropology* 2016: 100-163.
- Orton, J. 2016. Prehistoric cultural landscapes in South Africa: a typology and discussion. *South African Archaeological Bulletin* 71: 119-129.
- Orton, J., Almond, J., Clarke, N., Fisher, R., Hall, S., Kramer, P., Malan, A., Maguire, J. and Jansen, L. 2016. Impacts on Heritage. In: Scholes, R., Lochner, P., Schreiner, G., Snyman- Van der Walt, L. & de Jager, M. (eds). 2016. Shale Gas Development in the Central Karoo: A Scientific Assessment of the Opportunities and Risks. CSIR/IU/021MH/EXP/2016/003/A, ISBN 978-0-7988-5631-7, Pretoria: CSIR.
- Oberholzer, B., Lawson, Q., Klapwijk, M., Young, G., Anderson, M. and Orton, J. 2016. Visual, Aesthetic and Scenic Resources. In: Scholes, R., Lochner, P., Schreiner, G., Snyman-Van der Walt, L. & de Jager, M. (eds). 2016. Shale Gas Development in the Central Karoo: A Scientific Assessment of the Opportunities and Risks. CSIR/IU/021MH/EXP/2016/003/A, ISBN 978-0-7988-5631-7, Pretoria: CSIR.

Conference oral presentations:

- Orton, J. 2011. Late Holocene archaeology in Namaqualand, South Africa: hunter-gatherers and herders in a semi-arid environment. Oral presentation at the 2011 Biennial Meeting of The Association of Southern African Professional Archaeologists, Mbabane, Swaziland.
- Orton, J. 2013. Late Holocene archaeology in Namaqualand, South Africa: hunter-gatherers and herders in a semi-arid environment. Oral presentation at the 2013 Biennial Meeting of The Association of Southern African Professional Archaeologists, Gaborone, Botswana.
- Orton, J. 2014. Late Holocene Archaeology in Namaqualand, South Africa: hunter-gatherers and herders in a semi-arid environment. Oral presentation at the 4th Southern Deserts Conference, Mendoza, Argentina.
- Orton, J. 2016. CRM challenges of early herding in dryland South Africa. Oral presentation at the 1st SPANning the Atlantic workshop, O'Okiep, South Africa.

Conference poster presentations:

- Avery, G., Halkett, D., Klein, R., Orton, J., Steele, T. & Wurz, S. 2008. New discoveries from the Ysterfontein 1 Middle Stone Age rock shelter, South Africa. Poster presented at the 2008 Biennial Meeting of the Association of Southern African Professional Archaeologists, Cape Town, South Africa.
- Mackay, A., Orton, J., Schwartz, S. & Steele, T.S. 2010. Soutfontein 1: preliminary report on an open-air bifacial point rich site in southern Namaqualand, South Africa. Poster presented at the 75th Anniversary meeting of the Society for American Archaeology, St. Louis, Missouri, USA.
- Steele, T.E., Mackay, A., Orton, J. & Schwartz, S. 2010. Varsche River 3, a new Middle Stone Age site in southern Namaqualand, South Africa. Poster presented at the 75th Anniversary meeting of the Society for American Archaeology, St. Louis, Missouri, USA.

Orton, J., Mackay, A., Schwartz, S. & Steele, T. 2011. Archaeology in the Knersvlakte, southern Namaqualand. Poster presented at the 2011 Biennial Meeting of The Association of Southern African Professional Archaeologists, Mbabane, Swaziland.

Conference and workshop attendance:

- 2004 Association of Southern African Professional Archaeologists, William Humphreys Art Gallery, Kimberley, South Africa.
- 2006 Association of Southern African Professional Archaeologists, National Cultural History Museum, Pretoria, South Africa.
- 2008 African Archaeology Research Day, University of York, York, United Kingdom.
- 2008 Association of Southern African Professional Archaeologists, University of Cape Town, Cape Town, South Africa.
- 2011 Association of Southern African Professional Archaeologists, Swaziland.
- 2012 Association of Southern African Professional Archaeologists CRM Workshop, University of Cape Town, Cape Town, South Africa.
- 2013 Association of Southern African Professional Archaeologists, University of Botswana, Gaborone, Botswana.
- 2014 Dams and Cultural Heritage Management in Lesotho, University of Lesotho, Roma, Lesotho.
- 2014 Fourth Southern Deserts Conference, Mendoza, Argentina.
- 2015 Robben Island Strategic Research Agenda, Cape Town, South Africa.
- 2016 Spanning the Atlantic. First workshop, O’Kiep, South Africa.