

Appendix: Papers and posters presented at the Eighth International Lapita Conference, Port Vila, 6–10 July 2015

SESSION 1. Who were the Lapita peoples? Bioarchaeological perspectives on affinities and health (Convenors: Hallie Buckley and Frédérique Valentin)

1. The origins of the metabolic syndrome in the Pacific: Contributions of Lapita bioarchaeology to modern health problems. Hallie Buckley (University of Otago, Dunedin, New Zealand). Presented in her absence by Matthew Spriggs.
2. Colonisation, selection or drift? Evolutionary explanations for high metabolic disease burden among Lapita-descendent populations. Anna Gosling, Tony Merriman and Lisa Matisoo-Smith (University of Otago, Dunedin, New Zealand).
3. Is the tail wagging the dog? Archaeological, linguistic and genetic evidence for Lapita human–animal interactions and dispersals. Karen Greig, Lisa Matisoo-Smith and Richard Walter (University of Otago, Dunedin, New Zealand).
4. Lapita people, Lapita peoples and Post-Lapita migrations—How might we identify serial settlement of Remote Oceania? Lisa Matisoo-Smith (University of Otago, Dunedin, New Zealand).
5. Nagsabaran, northern Luzon and Teouma, Vanuatu: Linked by common mortuary traditions? Marc Oxenham, Anna Willis, Hsiao-Chun Hung (all The Australian National University (ANU)), Hirofumi Matsumura (Sapporo Medical University, Japan) and Ruth Page (ANU).
6. Polynesian craniofacial shape among the early Vanuatu population from Teouma: Implication for Remote Oceania settlement. Frédérique Valentin (CNRS-ArScAn, Paris, France), Florent Détroit (Muséum National d'Histoire Naturelle (MNHN), Paris, France), Matthew Spriggs and Stuart Bedford (both ANU and Vanuatu Cultural Centre).

SESSION 2. Lapita origins and destinations: The Bismarcks and points West and (Far) East (Convenors: Matthew Spriggs and Glenn R. Summerhayes)

1. Was Sāmoa colonised by small and isolated groups, and if so why? Ethan Cochrane (University of Auckland, Auckland, New Zealand (UoA)).
2. The origins of early pottery exchange to the New Guinea Highlands. Dylan Gaffney, Glenn R. Summerhayes, Anne Ford, James Scott (all University of Otago, Dunedin, New Zealand), Bill Dickinson (University of Arizona, USA) Tim Denham (ANU) and Judith Field (University of New South Wales, Australia).

3. Early Lapita settlement in the colonisation process. Alex Scahill (University of Otago, Dunedin, New Zealand).
4. Hop-scotch in the Solomon Islands: An update on the leap-frog hypothesis. Peter Sheppard (UoA).
5. Thinking outside the Lapita square: Comparative perspectives on what happens with Lapita. Matthew Spriggs (ANU and Vanuatu Cultural Centre).
6. An Early pottery site from Koil Island, East Sepik, PNG. Glenn R. Summerhayes, Pei-hua Wu (both University of Otago, Dunedin, New Zealand), Matthew Leavesley and Tepps Beni (both University of Papua New Guinea).
7. Pots on the move: Ceramic production and mobility at Oposisi, PNG. Nicholas Sutton, Glenn R. Summerhayes and Anne Ford (University of Otago, Dunedin, New Zealand).

SESSION 3. Lapita subsistence: What did they eat? (Convenors: Stuart Hawkins and Vincent Lebot)

1. Agricultural production and a Lapita-age planting pit (?) at the Nukuleka Site, Kingdom of Tonga. David V. Burley (Simon Fraser University, Burnaby, BC, Canada) and Mark Horrocks (Microfossil Research, Auckland, New Zealand).
2. Costly signalling or optimality? Pig management at Teouma ca. 3000–2500 BP. Stuart Hawkins (ANU), Stuart Bedford and Matthew Spriggs (both ANU and Vanuatu Cultural Centre).
3. Green desert or ‘all you can eat’? How diverse and edible was the flora of Vanuatu before human introductions? Vincent Lebot (CIRAD, Port Vila, Vanuatu) and Chanel Sam (Forestry Department, Port Vila, Vanuatu).
4. Did geomorphologic evolution drive Post-Lapita subsistence patterns? A case study from Tavua Island, Mamanuca Group, Fiji. Alex E. Morrison (UoA and International Archaeological Research Institute, Honolulu, Hawai‘i, USA), Ethan Cochrane (UoA), Timothy Rieth and Darby Filimoehala (both International Archaeological Research Institute, Honolulu, Hawai‘i, USA).
5. Lapita fish use and development of fishing technology: A view from Northern Vanuatu. Rintaro Ono (Tokai University, Japan), Stuart Hawkins (ANU) and Stuart Bedford (ANU and Vanuatu Cultural Centre).
6. The relationship between Lapita people and plants according to dental calculus. Monica Tromp, Hallie Buckley, Lisa Matisoo-Smith (all University of Otago, Dunedin, New Zealand), Stuart Bedford and Matthew Spriggs (both ANU and Vanuatu Cultural Centre).
7. New pieces to add to the puzzle: Micro- and macro-botanical evidence for late and Post-Lapita subsistence in the Tongan archipelago. Ella Ussher (ANU).
8. What was on the menu: Avian tidbits amid turtles and fish at Teoumu, Efate, Vanuatu. Trevor H. Worthy (Flinders University, Adelaide, Australia), Stuart Hawkins (ANU), Stuart Bedford and Matthew Spriggs (both ANU and Vanuatu Cultural Centre).

SESSION 4. Analysis of the Lapita design system (Convenors: Scarlett Chiu and Arnaud Noury)

1. From plaited fibre to Lapita ceramic ornamentation: Or back to basics in looking at Lapita ornamentation. Wallace Ambrose (ANU).
2. Identifying Lapita motifs based on pattern recognition technology: Preliminary results. Man-Fong Cheng, Chao-Lung Ting, Ray-I Chang, Yu Jyun Wang, Lin Shu-Yu, Jan-Ming Ho (all National Taiwan University, Taiwan), Yu-Yin Su (Institute of Information Science, Academia Sinica, Taiwan) and Scarlett Chiu (Institute of History and Philology, Academia Sinica, Taiwan).
3. Measuring social distance with shared motifs: Current results and challenges. Scarlett Chiu (Institute of History and Philology, Academia Sinica, Taiwan).
4. Lapita classification systems for the future. Ethan Cochrane (UoA).
5. Lapita styles and occupation history: The Makue Lapita design assemblage and its affinities. Jean-Christophe Galipaud (Research Institute for Development, UMP PALOC, France) and Scarlett Chiu (Institute of History and Philology, Academia Sinica, Taiwan).
6. The ceramic sequence of Talepakemalai, Mussau: Five centuries of pottery production and use. Patrick V. Kirch (University of California, Berkeley).
7. A structural approach to Lapita design analysis: A case study of the Eastern Lapita Province. Kathleen Leblanc (Simon Fraser University, Burnaby, BC, Canada).
8. An example of polarization of Lapita designs: What it teaches us about the Lapita cultural complex. Arnaud Noury (independent scholar, Versailles, France).
9. The hat makes the man: Masks, headdresses and skullcaps in Lapita iconography. Matthew Spriggs (ANU and Vanuatu Cultural Centre).

SESSION 5. Chronology for Lapita and its proxies: New approaches (Convenors: Fiona Petchey and Jim Specht)

1. When did Lapita pottery start in the New Guinea islands? Jim Specht (Australian Museum, Sydney and University of Sydney, Australia).
2. Re-dating SE-SZ-8 (Nanggu, Santa Cruz) and the settlement of Remote Oceania. Peter Sheppard (UoA), Scarlett Chiu (Institute of History and Philology, Academia Sinica, Taiwan) and Richard Walter (University of Otago, Dunedin, New Zealand).
3. Radiocarbon dating the Teouma Lapita cemetery, Efate, Vanuatu. Fiona Petchey (University of Waikato, Hamilton, New Zealand), Matthew Spriggs, Stuart Bedford (both ANU), Frédérique Valentin (CNRS-ArScAn, Paris, France) and Hallie Buckley (University of Otago, Dunedin, New Zealand).
4. Tongan Lapita chronology and its implications for settlement in West Polynesia. David V. Burley (Simon Fraser University, Burnaby, BC, Canada).
5. Quantifying the number of ¹⁴C determinations required to improve dating accuracy for Lapita deposits. Timothy M. Rieth (International Archaeological Research Institute, Inc., Honolulu, Hawai'i, USA), Derek Hamilton (University of Glasgow, East Kilbride, Scotland, UK) and Ethan Cochrane (UoA).
6. Holocene vegetation change, volcanism, fire and megafauna collapse on Espiritu Santo, Vanuatu. Matthew Prebble, Melissa Beileiter (both ANU), Shane Cronin (UoA), Stuart Hawkins, Stewart Fallon, Stuart Bedford and Matthew Spriggs (all ANU).

SESSION 6. Lapita at the gateway of Remote Oceania: The Reefs-Santa Cruz, Vanuatu and New Caledonia (Convenors: Stuart Bedford and Christophe Sand)

1. Lapita pottery from the small islands of northeast Malakula, Vanuatu: A short summary. Stuart Bedford (ANU and Vanuatu Cultural Centre).
2. Lapita settlers and the use of greywacke in New Caledonia: Recent thoughts on the archipelago's material culture. Louis Lagarde and Christophe Sand (Institute of Archaeology of New Caledonia and the Pacific, Nouméa, New Caledonia (IANCP)).
3. The production of ceramic in the early days of the human occupation on Efate: Contributions from Teouma and Mangaasi collections. Mathieu Leclerc (ANU).
4. Preserving Lapita collections in New Caledonia. Sandra Maillot-Winnemou and Christophe Sand (IANCP). Presented in Sandra Maillot-Winnemou's absence by Jean-Marie Wadrawane.
5. Spatial patterns of pottery at the Teouma Lapita site, Efate, Vanuatu. Mads Ravn (Museums of Vejle, Denmark and Kon-Tiki Museum, Oslo, Norway), Stuart Bedford, Matthew Spriggs, Stuart Hawkins (all ANU), and Frédérique Valentin (CNRS-ArScAn, Paris, France).
6. Spatial distribution of obsidian artefacts from a Lapita cemetery sheds light on its value to past societies. Christian Reepmeyer (James Cook University, Queensland, Australia), Anne Constantine, Stuart Bedford, Matthew Spriggs (all at ANU) and Mads Ravn (Museums of Vejle, Denmark and Kon-Tiki Museum, Oslo, Norway).
7. Vavouto: Example of a small-scale Lapita site of New Caledonia. Christophe Sand and Stephanie Domergue (IANCP).
8. A new assessment of site WKO013A of Xaapeta (Lapita), New Caledonia. Christophe Sand, Stephanie Domergue, André-John Ouetcho and Jacques Bole (IANCP).
9. Latest finds on the last (inhabited) island—Lapita on Aneityum, southern Vanuatu. Richard Shing (Vanuatu Cultural Centre), Stuart Bedford and Matthew Spriggs (both ANU and Vanuatu Cultural Centre).

SESSION 7. Lapita and then what? Patterns, issues and culture history across the Oceanic expanse in the Lapita/Post-Lapita transition (Convenors: David V. Burley and Geoffrey R. Clark)

1. Does Caution Bay Lapita lead to early Papuan pottery? Jim Allen (La Trobe University, Victoria, Australia).
2. Revisiting the incised and applied relief tradition once again from a Vanuatu perspective. Stuart Bedford (ANU and Vanuatu Cultural Centre).
3. Transitional fare and the purloined pig and dog. Stephanie J. Cath-Garling, (Norwich, Norfolk, England).

4. Recent investigations at the Talasiu site in the Kingdom of Tonga. Geoffrey R. Clark (ANU), Frédérique Valentin (CNRS-ArScAn, Paris, France), Christian Reepmeyer (James Cook University, Australia), Jack Fenner, Elle Grono, Ella Ussher (all ANU) and Nivaleti Melekiola¹ (District Office, Hahake).
5. Western Solomon Islands foundation ceramic sequence, 1st millennium BC, from intertidal and shallow pottery water collections. Matthew Felgate (Opus International Consultants, Auckland, New Zealand and James Cook University, Queensland, Australia), Peter Sheppard (UoA) and Glenn R. Summerhayes (University of Otago, Dunedin, New Zealand).
6. Post-Lapita economics in the central Lau Group of Fiji. Sharyn Jones (Northern Kentucky University, USA).
7. Revisiting Samoan settlement patterns during the Post-Lapita period. Alex E. Morrison (UoA), Timothy Rieth (International Archaeological Research Institute, Inc., Honolulu, Hawai'i, USA), Robert Dinapoli (University of Oregon, USA) and Ethan Cochrane (UoA).
8. Revisiting the mobility of early Papuan pottery during the ceramic hiccup on the South Coast of Papua New Guinea. Gabriel Vilgalys and Glenn R. Summerhayes (University of Otago, Dunedin, New Zealand).

SESSION 8. Miscellaneous Lapita (Convenors: Stuart Bedford and Matthew Spriggs)

1. Mansiri: A new dentate-stamped pottery site in Northern Sulawesi. Christian Reepmeyer (James Cook University, Australia), Nick Azis (Balai Arkeologi Manado, Indonesia), Geoffrey R. Clark (ANU), Daud Tanudirjo (Universitas Gadjah Mada University, Yogyakarta, Indonesia) and Sriwigati (Balai Arkeologi Manado, Indonesia).
2. Language and Lapita: The implications of language divergence dates and expansion sequence for our understanding of Lapita origins and spread. Russell Gray (Max Planck Institute for the Science of Human History and UoA).
3. Canoe performance and the science of sailing. Geoff Irwin and Richard Flay (UoA).
4. The temporal and geographic transformations of Lapita shell artefacts: A working hypothesis. Kat Szabó (University of Wollongong, Australia).
5. Recent investigation of an intertidal pottery site at Mangrove Beach, Lizard Island. Matt Felgate (James Cook University, Australia), Sean Ulm (James Cook University), Ian McNiven (Monash University, Australia), Jim Specht (Australian Museum, Sydney), Carol Lentfer (University of Queensland, Australia), Bill Dickinson (University of Arizona, USA), Ulrike Proske (ANU), Simon Haberle (ANU), Jim Feathers (University of Queensland, Australia and University of Washington Clair Harris, USA), Samantha Aird and Alison Fitzpatrick (both James Cook University).
6. Closing keynote: Four decades of Lapita archaeology: A retrospective view. Patrick Kirch (University of California, Berkeley, USA).

¹ Sadly, Nivalieti Melekiola passed away in 2016.

SESSION 9. Poster session. Themes: (1) New Lapita research and (2) Latest results in Pacific archaeology—All periods (Convenor: James Flexner)

1. Dividing up the cadaver: A complex case of preparation of the body at Teouma (Vanuatu). Florence Allières (Université Paris 1 Panthéon-Sorbonne, Paris), Frédérique Valentin (CNRS-ArScAn, Paris, France), Neil Dudley, Hallie Buckley (both University of Otago, Dunedin, New Zealand), Stuart Bedford and Matthew Spriggs (both ANU and Vanuatu Cultural Centre).
2. Findings of internationally significant Lapita pottery at Caution Bay and a case for preserving Lapita landscapes as World Heritage sites. Nick Araho and Alois Kuaso (National Museum of Papua New Guinea).
3. Roulette or bar stamp—A unique tool in the Early Lapita assemblages of Fiji and Tonga(?). David V. Burley (Simon Fraser University, Burnaby, BC, Canada) and Shane Egan (Kanokupolu, Tonga).
4. Arboriculture in the Pacific and the Lapita horticultural traditions: Insights from a comparison of anthracological case-studies. Emilie Dotte-Sarout (ANU, formerly University of Western Australia).
5. Eastern but Western—Complex Lapita motifs and ceramic elements from the Nukuleka Site, Kingdom of Tonga. Shane Egan (Kanokupolu, Tonga) and David V. Burley (Simon Fraser University, Burnaby, BC, Canada).
6. Early pond-field agriculture in the Sigatoka Valley ca. 2000 BP, and indications for Lapita and Post-Lapita fire history. Julie Field (Ohio State University, USA), Chris Roos (Southern Methodist University, USA) and John Dudgeon (Idaho State University, USA).
7. Lapita and Late Lapita diets in Pacific archipelagos: Isotopic comparison between Talasiu (Tonga) and the Western Pacific. Estelle Herscher (Aix-Marseille University, France), Frédérique Valentin (CNRS-ArScAn, France) and Geoffrey R. Clark (ANU).
8. The end of the funerary sequence at Teouma (Vanuatu): Infilling and covering the grave. Frédérique Valentin (CNRS-ArScAn, Paris, France), Florence Allières (Université Paris 1 Panthéon-Sorbonne, Paris, France), Stuart Bedford and Matthew Spriggs (both ANU and Vanuatu Cultural Centre).
9. Ancient fishing (2900–2800 BP) at the Arapus site, Efate, Vanuatu. Laurie Bouffandeau (Université Paris 1, France), P. Béarez (CNRS-MNHN, Paris, France), Stuart Bedford (ANU and Vanuatu Cultural Centre), Emilie Nolet (CNRS-MNHN, Paris, France), Matthew Spriggs (ANU and Vanuatu Cultural Centre) and Frédérique Valentin (CNRS-ArScAn).
10. ‘Waste not, want not.’ Mission era appropriation of sacred stones in Aneityum, Vanuatu: An ethnographic approach to the archaeological record. Dijana Crook (ANU), Stuart Bedford (ANU and Vanuatu Cultural Centre), Matthew Spriggs (ANU and Vanuatu Cultural Centre) and Matthew Prebble (ANU).
11. Dietary comparison of Late Lapita and Chieftdom period groups in Tonga using stable isotopes. Jack Fenner (ANU), Frédérique Valentin (CNRS-ArScAn) and Geoffrey R. Clark (ANU).
12. Artefacts of conversion: Mission objects from Tanna and Erromango. James Flexner (ANU).

13. Ancestors of the Hiri: Ceramic sourcing at the island of Motupore, Papua New Guinea. Anne Ford (University of Otago, Dunedin, New Zealand) and Jim Allen (La Trobe University, Victoria, Australia).
14. Buildings archaeology in Melanesia: First findings from Tanna and Aneityum, Vanuatu. James Flexner (ANU), Richard Shing (Vanuatu Cultural Centre), Martin Jones (Heritage New Zealand), Stuart Bedford and Matthew Spriggs (both ANU and Vanuatu Cultural Centre).
15. Investigating the distribution of mounds on Tongatapu using LiDAR and automated feature extraction. Travis Freeland, Brandon Heung and Anders Knudby (all Simon Fraser University, Burnaby, BC, University, Canada).
16. Making ground—Maori horticultural intensification in the Waikato Basin, New Zealand. Warren Gumbley (ANU).
17. Constructing a microfossil key for Fiji from modern plant specimens. Rebecca Hazard and John Dudgeon (both Idaho State University, USA).
18. Houses, shrines and the social landscape of Tetepare, Solomon Islands. Jessie Hurford (University of Otago, Dunedin, New Zealand).
19. Stone and memory: Relics on Tanna. Lamont Lindstrom (University of Tulsa, Oklahoma, USA).
20. Current research in prehistory on the island of Malaita, Solomon Islands: The flint knapping workshop ‘Apunirereha’. Johannes Moser (Deutsches Archäologisches Institut, Bonn, Germany), Tony Heorake and Lawrence Kiko (both Solomon Islands National Museum, Honiara).
21. Current research in prehistory on the island of Malaita, Solomon Islands: The living and burial site ‘Ria-rockshelter’. Johannes Moser (Deutsches Archäologisches Institut, Bonn, Germany), Tony Heorake and Lawrence Kiko (Solomon Islands National Museum, Honiara).
22. Archaeology in the Fiji Islands. Elia Nakoro and Sakiusa Kataiwai (Fiji Museum, Suva).
23. Ceremonial complex in the Banks Islands. Yoko Nojima (International Research Centre for Intangible and Cultural Heritage in the Asia-Pacific Region, Osaka, Japan).
24. Who were the Pacific archaeological pioneers in the pre-WWII period? Michelle Richards (ANU).
25. Reliable chronology of North Atlantic and Pacific Islands: A comparative approach. Magdalena Schmid (University of Iceland).
26. C, N, S stable isotope analysis of commensal animals as proxy data for human diet and environmental change. Jillian Swift (University of California, Berkeley, USA).
27. Technology applications for pottery analysis: A test case from American Samoa. Brett Tanselle, Jeffrey T. Clark and Narayanaganesh Balasubramanian (all North Dakota State University, USA).
28. Cooked, worked, and exchanged: *Tridacna* and *Conus* shell and their multitude of uses over 3000 years in Vanuatu. Edson Willie (Vanuatu Cultural Centre).

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