

Curriculum Vitae

1. Personal Information

Name: Nancy Tayles

2. Qualifications

(a)		
ACA	Wellington Polytech and Auckland Technical Institute	1973
BA	University of Auckland	1982
PGDip (Arts)	University of Otago	1987
PhD	University of Otago	1992

3. Professional Affiliations/Memberships

New Zealand Archaeological Association
Palaeopathology Association
Indo-Pacific Prehistory Association
Australasian Society for Human Biology

4. Languages

German: Read, fluently spoken. Thai: spoken

5. Employment History

(a) Present Position

Honorary Associate Professor, Department of Anatomy, University of Otago, 2014-2017

(b) Employment History

Associate Professor, Department of Anatomy, University of Otago, 2011-2014

Senior Lecturer, Department of Anatomy and Structural Biology, University of Otago, 2002-2011

Lecturer, Department of Anatomy and Structural Biology, University of Otago, 1993 - 2001

Assistant Lecturer, Department of Anatomy and Structural Biology, 1992

Archaeologist, various organisations, United Kingdom and Liechtenstein 1982-1984

Accountant, various organisations, Wellington, Auckland and London 1965-1978

6. Other Relevant Experience

(a) Experience working in an Overseas Country

Thailand; since 1991, archaeological field work, collaborative research, Workshop and seminar presenter. 2015 Visiting Professor, Anatomy Department, Khon Kaen University

Laos: Since 2009, advisor to Laos National Museum, Ministry of Information and Culture, Department of National Heritage, National University of Laos

Cambodia: Jan 2004 Symposium convener and workshop presenter

Burma/Myanmar; 2000 Invited lecturer, convener of Field School for Staff and Postgraduate students

(b) National/International Collaborations

Anthropology Department, University of Otago, Professor Charles Higham, research project on prehistory of Thailand, since 1991.

Australia, James Cook University. Townsville. Dr Kate Domett. Since 2002. Joint research and publications on Southeast Asian research projects

Australia, Australian National University, Canberra, Dr Marc Oxenham. Since 2002. Joint editing of a book on Southeast Asian and Southwest Pacific bioarchaeology.

USA. University of Hawaii, Christopher King, Since 2002. Stable isotope studies of diet in prehistoric Southeast Asians.

Great Britain, Dr Alex Bentley, Institute of Archaeology, University College London. Since 2003. Stable isotope studies of residence in prehistoric Southeast Asians.

Great Britain, Claire Watson, since 2006, London School of Tropical Medicine and Hygiene, genetic studies of prehistoric pathogens.

Laos, Thongsay Sayavongkhamdy, Director, Department of National Heritage, research on prehistoric human skeletal remains. Department of Anthropology, National University of Laos, Vientiane.

Thailand, Dr Amphan Kijngam, Dr Rachanie Thosarat, Royal Thai Fine Arts Department, Joint Research Project, Origins of Angkor Archaeological Project./The Development of an Iron Age Chiefdom. Changwat Nakhon Ratchasima. Since 1995

Burma/Myanmar, University of Yangon and Union of Myanmar Archaeology Department, 1999, 2000 - joint research project

7. Research Activities

(a) Research Expertise

Biological anthropology, specifically Bioarchaeology, the study of the biology of prehistoric peoples using their skeletal remains as the primary source of evidence.

Co-ordinator, University Area of Research Strength:

Prehistoric Human Health and Disease

(c) Research Grants

(1) Research grants received as named principal or joint principal researcher.

2013 University of Otago Research Grant, The Rima Rau Cave Burials, \$42501

2006 University of Otago Research Grant, Agricultural intensification and infant and child health in prehistoric Southeast Asia, \$25969

2006 Marsden Fund, The Neolithic Revolution in Southeast Asia. Co PI with Professor Charles Higham, \$777288, over three years
2005 Otago Research Grant, The antecedents of Angkor, \$33800
2000 Otago Medical School Research Support, Digital Camera, \$4140
2000 Otago Research Grant, Health of prehistoric people in Myanmar, \$12649

(2) Research grant received as named contributing researcher.

2014 University of Otago Research Grant, Activity and agriculture: effects on human biology of subsistence mode in prehistoric Southeast Asia, A/P H. Buckley, \$37825
2010 Marsden Fund, Fast start, \$300,000 Dr Sian Halcrow
2004 Marsden Fund, Human prehistoric biology in Vanuatu, \$80,000, Dr Hallie Buckley
2002 Otago Research Grant, \$23950, Computerised Tomography of prehistoric Maori skulls. Professor Jules Kieser and Dr David Healey,
2000 Marsden Fund, Origins of Angkor Archaeological Project, \$140,000 p.a., 3 years, Professor Charles Higham

(d) Supervision of Postgraduate Students – all at University of Otago except where indicated.

PhD

8. Dental pathology in prehistoric Southeast Asia, S. Shkrum, 2010 – 2015. Supervisors N Tayles 60%, S Halcrow 40%

7. Stable Isotope evidence of migration and diet at Ban Non Wat. C.L. King 2010- 2012. Durham University, UK. External advisor.

6. Sexual dimorphism in prehistoric Southeast Asia, A. Clark, 2009 – 2012. Supervisors N Tayles 50% S. Halcrow 50%.

5. Musculo-skeletal markers of Pottery making, A. Foster, 2008 - 2012 Supervisors **H. Buckley** 70%, N Tayles 30%

4. Migration and isotopes, K. Cox, 2004, 2009. Supervisors **N Tayles** 60%, H. Buckley 40%.

3. Subadult health in prehistoric Southeast Asia, S. Halcrow, 2002, 2006. Supervisor **N Tayles**.

2. Health and Disease in the Prehistoric Pacific Islands, H. Buckley, 1997, 2001. Supervisor **N Tayles**

1. Health in Late Prehistoric Thailand, K. Domett, 1995, 2000. Supervisor **N Tayles**

MSc (sole supervisor except where noted)

9. Burning issues: an investigation into the Cremation Practices used in the Historic Lan Xang period of the Lao People's Democratic Republic, S. Ward, 2011-2012
8. Field Anthropology in prehistoric Ban Non Wat, N. Harris, 2009 – 2010.
7. Evidence of childhood health in adult skeletons from Ban Non Wat, K. Curtis, 2007, 2007.
6. Mortuary position and status, A. Willis, 2004, 2006.
5. Occupation at Khok Phanom Di: skeletal evidence for patterns of habitual activity within a prehistoric Thai site, L. Chiles, 1998, 2003 (with 2 year withdrawal).
4. The relationship between acromial morphology and subacromial lesions in two prehistoric populations, L. Nash, (co-supervisor with S. Mercer) 2000, 2001
3. TMJ degeneration in prehistoric Maori and Moriori, C. Latimer, 2000, 2001.
Supervisor N Tayles
2. Dental health at Noen U-Loke, K. Nelsen, 1997, 1999.
1. Spina bifida occulta, C. McGrath, 1996, 1998

BA or BSc Hons

19. Agriculture, social change and health in Iron Age mainland Southeast Asia – is there a link? L. Kavale. 2014. Co-supervised with S. Halcrow.
18. Palaeopathology at Ban Non Wat: case study. N. McLeod 2010
17. Palaeopathology in two prehistoric Southeast Asians. P. Browne 2010
16. Lead and copper at prehistoric Ban Non Wat: helpful or harmful? S. Ward, 2009
15. The chemical evaluation of diagenesis in the burials of Ban Non Wat, Thailand. C.L. King, 2009
14. Sexual division of labour in Southwest Pacific prehistory. C. McNamara. 2005.
13. Biological correlates of social status at Noen U-Loke, S. Muth, co-supervised with H. Buckley, 2003.
12. Biology and social status at Ban Lum Khao A. Willis. co-supervised with H. Buckley, 2003.
11. Skeletal Indicators of Ancestry in New Zealand, K.Cox, co-supervised with H. Buckley, 2002
10. Dental evidence for growth disruption at Taumako, R. Jansen, co-supervised with H. Buckley, 2002
9. Health from a Biocultural Perspective: Mortality and Morbidity of the Subadults of the Prehistoric Settlement of Khok Phanom Di, S. Halcrow, 2001
8. Age estimation from the skeleton: Polynesians, R. Irwin, 2000
7. Osteoarthritis in prehistoric Maori - cervical spine, M. Phillips, 1998
6. Osteoarthritis in prehistoric Maori - lumbar spine, G. Sayer, 1998
5. Osteoarthritis in prehistoric Maori - lower limb, E. Jenkins, 1998
4. A Method for the Classification and Description of the Degenerative Changes to the Distal Joint Surface of the Humerus, A. Dickson, 1998
3. Non-metric Cranial Traits as an Indicator of Biological Distance at Khok Phanom Di, E. McKergow, 1997
2. Bone mass at Khok Phanom Di, A Stephen, 1994
1. Cribra orbitalia in Papua New Guinea, C.E. Smellie, 1994

PGDipSci. / Arts / Applied Statistics

7. Ethics in Action: How Ethics Affect Bioanthropological Work with Indigenous Remains in New Zealand and Australia. S. Erskine. 2012
6. Bayesian Discriminant Analysis in Thailand Skeletal Remains. C Symes, 2010. Co-supervised with J. Harraway.
5. Osteoarthritis: how bony changes reflect on the soft tissue of the joint. S Bowie, 2009 Co-supervised with S. Woodley
4. Musculoskeletal stress markers in prehistoric Solomon Islanders. B. Wong. 2005, 2005
3. Dental health in prehistoric Papua New Guinea. D. Stapleton. 2005, 2005
2. Traditional methods of age estimation: are they appropriate for South East Asian Children?, H. Buckley, 1996, 1996
1. Crescentic lesions in the lumbar spines of the Khok Phanom Di People, E. Silcock, 1995, 1995

8. Distinctions

Postgraduate scholarship, University of Otago, 1986-1989

9. Teaching Activities

- (a) Range and level of teaching (last three years only)

Teaching in Anatomy and Biological Anthropology papers at all levels:

2008-11: Second year Anatomy for Physical Education Anat 250
2007-14: Second year Biological Anthropology paper Bioa 201
2007-14: Third year Biological Anthropology paper Bioa301
2007-14: Fourth year Biological Anthropology paper Bioa 401
2007-14: Fourth year Science paper Anat 458

- (b) Development of significant innovations and/or publications in curriculum development, student assessment, teaching procedures and teaching materials

Development of curriculum and introduction of the new second year Physical Education paper, Anat 250, 2008
Development and ongoing maintenance and revision of curriculum of Biological Anthropology paper (Bioa 401) in 2004
Contribution to development of curriculum of Biological Anthropology third year paper (Anth 307 2000-2001, Bioa 301 since 2002)
Development of curriculum and Introduction of the new second year Biological Anthropology paper (BIOA 201) in 2001
Preparation and introduction of Anatomy module to Biol 115 in 1994 (with Prof. Chris Heath)

(c) Teaching administration and leadership, quality assurance, evaluation

Member of Department Curriculum Committee 2001-2002, 2009-2010

Departmental course advisor, 2002-2010

Overall convener of third year science courses 2005, 2009, 2010

Membership of the management committee for Biol 115, 1996-2002

Course convening:

Convener of Anat 250 2008-2012

Convener of Bioa 301 2010-2014

Convener of Bioa 201 2001-2009

Convener of Bioa 401 since 2000

11. Publications

a) Books

2. Oxenham, M. and Tayles, N. (Editors). *Bioarchaeology of Southeast Asia*. Cambridge: Cambridge University Press (2006) 360pp [ISBN13 978-0-521-82580-1]

1. Tayles, N. *The People*. Volume V. *The Excavation of Khok Phanom Di a Prehistoric Site in Central Thailand*. London, Society of Antiquaries Reports of the Research Committee No. LXI (1999) 382p [ISBN 0-85431-270-6]

b) Book Chapters

19. Stantis, C. Tayles, N., Kinaston, RL., Cameron, C., Nunn, PD., Richards, MP. And Buckley, HR. Diet and subsistence in Remote Oceania: an analysis using oral indicators of diet. In: Oxenham, M. and Buckley H. (eds) *The Routledge Handbook of Bioarchaeology in Southeast Asia and the Pacific*. Taylor and Francis

18. Ward, S. and Tayles, N. In press. Cremation in Mainland Southeast Asia: an Overview. In: Oxenham, M. and Buckley H. (eds) *The Routledge Handbook of Bioarchaeology in Southeast Asia and the Pacific*. Taylor and Francis

17. Halcrow, SE., Tayles, N. and King, CL. In Press. Infant and child health and disease with agricultural intensification in mainland Southeast Asia. In: Oxenham, M. and Buckley H. (eds) *The Routledge Handbook of Bioarchaeology in Southeast Asia and the Pacific*. Taylor and Francis

16. Domett, K., Evans, C., Tayles, N., Chang, N., and Newton, J. In press. The influence of socio-cultural change on osteoarthritis in prehistoric Ban Non Wat, Thailand: bioarchaeological approaches to environmental and social changes in the past. In:

Oxenham, M. and Buckley H. (eds) *The Routledge Handbook of Bioarchaeology in Southeast Asia and the Pacific*. Taylor and Francis

15. Ruckstuhl, K., Tayles, N., Buckley, H., Bradley, R., Fyfe, R. and Ellison, M. In Press. *The Ancestors Speak: Kōiwi tangata, mātauranga Māori and the development of biological anthropology in New Zealand*. In: Oxenham, M. and Buckley H. (eds) *The Routledge Handbook of Bioarchaeology in Southeast Asia and the Pacific*. Taylor and Francis

14. Tayles, N. and Halcrow, S.E. In Press. *Age-at-death estimation in a sample of prehistoric Southeast Asian adolescents and adults*. In: Oxenham, M. and Buckley H. (eds) *The Routledge Handbook of Bioarchaeology in Southeast Asia and the Pacific*. Taylor and Francis

13. Foster, A. Buckley, H. Tayles, N. Spriggs, M. Bedford, S. 2013. *Gender, labour division and the skeleton: a case study from the Teouma Lapita cemetery*. Summerhayes, G.R. and Buckley, H. *Pacific archaeology: Documenting the past 50,000 years*. Papers from the 2011 Lapita Pacific Archaeology Conference. University of Otago Studies in Archaeology 25: 76-90

12. Tayles, N. Halcrow, S. Pureepatpong, N. 2012. *Regional Developments: Southeast Asia*. Chapter 57 In Buikstra, J. and Roberts, C. (eds) *The History of Palaeopathology*. New York: Oxford University Press. pp528-540.

11. Halcrow, S.E. and Tayles, N. 2011. *Human diversity in Mainland Southeast Asia: the contribution of bioarchaeology*. In Enfield, N. (ed.) *Dynamics of Human Diversity*. Canberra: Pacific Linguistics. pp 47-62 [ISBN 978 0 858 83638 9]

10. Tayles, N. and Halcrow S. 2011. *New Zealand/Aotearoa*. In Marquez-Grant, N. and Fibiger, L. (eds) *The Routledge Handbook of Archaeological Human Remains and Legislation: an international guide to laws and practice in the excavation, study and treatment of archaeological human remains*, pp286-299. 5300 words. Oxford: Routledge (Taylor and Francis Group). [ISBN: 978-0-415-58857-7]

9. Halcrow, S. Tayles, N. Pureepatpong, M. and Boonlop, K. 2011. *Thailand*. In Marquez-Grant, N. and Fibiger, L. (eds) *The Routledge Handbook of Archaeological Human Remains and Legislation: an international guide to laws and practice in the excavation, study and treatment of archaeological human remains* pp623-631. Word count 4600 words. Oxford: Routledge (Taylor and Francis Group). [ISBN: 978-0-415-58857-7]

8. Halcrow, S.E. and Tayles, N. 2011. The bioarchaeological investigation of children and childhood. Word count: 12700 words. In Agarwal, S.C. and Glencross, B. A. (eds) *Social Bioarchaeology*. Oxford: Wiley-Blackwell, pp 333-360
7. Tayles, N. Domett, K. and Halcrow, S. 2009 Can dental caries be interpreted as evidence of farming? The Asian experience. In Koppe, T. Meyer, G. and Alt, K.W. (eds) *Comparative Dental Morphology: Frontiers of Oral Biology*. Basel, Karger. pp162-166
6. Domett, K. and Tayles, N. 2007. Population Health from the Bronze to the Iron Age in the Mun River Valley, Northeast Thailand. In Cohen, M. and Crane-Kramer, G.N.N. (eds) *Ancient Health Skeletal Indicators of Agricultural and Economic Intensification*. University of Florida Press pp286-299.
5. Tayles, N. Halcrow, S., Domett, K. 2007. The People of Noen-U-Loke. In Higham CFW, Kijngam, A. and Talbot, S. (eds) *The Origins of the Civilization of Angkor Volume II The excavation of Noen U-Loke and Non Muang Gao*. Bangkok: The Thai Fine Arts Department. pp 244-304.
4. Tayles, N. and Oxenham, M. Introduction: Southeast Asian Bioarchaeology Past and Present. In Oxenham, M. and Tayles, N. (Editors). *Bioarchaeology of Southeast Asia*. Cambridge: Cambridge University Press (2006) pp1-30.
3. Domett, K. and Tayles, N. Human biology from the Bronze Age to the Iron Age in the Mun River Valley, Northeast Thailand. In: Oxenham, M. and Tayles, N. (Editors). *Bioarchaeology of Southeast Asia*. Cambridge: Cambridge University Press (2006). Pp220-240.
2. Oxenham, M. and Tayles, N. Conclusions: synthesizing Southeast Asian population history and palaeohealth. In Oxenham, M. and Tayles, N. (Editors). *Bioarchaeology of Southeast Asia*. Cambridge: Cambridge University Press (2006) pp 335-350.
1. Tayles, N. Domett, K. and Hunt, V. The people of Nong Nor. In *The Excavation of Nong Nor* C.F.W. Higham and R. Thosarat eds. Dunedin, University of Otago Studies in Prehistoric Anthropology No. 18. (1998) 321-368 [ISBN 0-9597911-3-2HB].

c) Refereed Journal Articles

42. King CL, Tayles N, Higham C, Strand-Viðarsdóttir U, Bentley RA, Colin G. Macpherson CG, Nowell G. Using isotopic evidence to assess the impact of migration and the two-layer hypothesis in prehistoric Northeast Thailand. (In Press) *American Journal of Physical Anthropology*.
41. Clark, AL., Tayles, N., Buckley, HR. and Neumann, F. (2015) The Rima Rau Burial Cave, Atiu, Cook Islands. *Journal of Island and Coastal Archaeology*. DOI 10.1080/15564894.2015.1050131

40. Tayles, N. and Halcrow, S.E., Sayavongkhamdy, T. and Souksavatdy, V. (2015) A prehistoric flexed human burial from Pha Phen, Middle Mekong Valley, Laos: its context in Southeast Asia. *Anthropological Science* 123:1-12.
39. Clark, A. L., Tayles, N. & Halcrow, S. E. (2014) Aspects of health in prehistoric mainland Southeast Asia: Indicators of stress in response to the intensification of rice agriculture. *American Journal of Physical Anthropology* 153(3): 484–495.
38. King, C.L., Bentley, R.A., Higham CFW, Tayles, N., Nowell, G., Macpherson, C.G., Strand Viðarsdóttir, U., Layton, R. 2014. Economic change after the agricultural revolution in Southeast Asia? *Antiquity* 88:112-125.
37. Kinaston, R.L., Walter, R.K., Jacomb, C., Brooks, E., Tayles, N., Halcrow, S.E., Stirling, C., Reid, M., Gray, A.R., Spinks, J., Shaw, B., Fyfe, R. and Buckley, H.R. (2013) The first New Zealanders: patterns of diet and mobility revealed through Isotope Analysis. *PloS One*, 8 (5), e64580
36. McKay, S., Farah, R., Broadbent, J.M., Tayles, N. and Halcrow, S.E. (2013) Is it health or the burial environment: differentiating between hypomineralised and post-mortem stained enamel in an archaeological context. *Plos one*, 8 (5), e64573.
35. Halcrow, S.E., Harris, N.J., Tayles, N., Ikehara-Quebral, R. and Pietruszewsky, M. (2013) From the mouths of babes: dental caries in infants and children and the intensification of agriculture in mainland Southeast Asia. *American Journal of Physical Anthropology*, 150, 409-420.
34. King, C.L., Bentley, R.A., Tayles, N., Strand Viðarsdóttir, U., Nowell, G., Macpherson, C.G. 2013. Moving peoples, changing diets: Isotopic differences highlight migration and subsistence changes in the Upper Mun River Valley, Thailand. *Journal of Archaeological Science* 40:1681-1688.
33. Domett, K.M., Newton, J., O'Reilly, D.J.W., Tayles, N., Shewan L., Beavan, N. 2011, Cultural Modification of the dentition in prehistoric Cambodia. *International Journal of Osteoarchaeology* 23:274-286 DOI: 10.1002/oa.1245
32. Halcrow, S.E., Tayles, N., Inglis, R. and Higham, C.F. 2012. Newborn Twins from Prehistoric Mainland Southeast Asia: Birth, Death and Personhood. *Antiquity*, 86: 838-852.
31. Harris, N.J. and Tayles, N. 2012. Burial containers – A hidden aspect of mortuary practices: Archaeoethanatology at Ban Non Wat, Thailand. *Journal of Anthropological Archaeology* 31: 227–239
30. King, C.L., Tayles, N. and Gordon, K.C. 2011. Re-examining the chemical evaluation of diagenesis in human bone apatite. *Journal of Archaeological Science* 38: 2222-2230

29. Bedford, S., Buckley, H.R., Valentin, F., Tayles, N. and Longga, N.F. (2011) Lapita burials, a new Lapita cemetery and post-Lapita burials from Malakula, Northern Vanuatu, Southwest Pacific. *Journal of Pacific Archaeology*, 2: 26-48
28. Cox, K.J., Bentley, R.A., Tayles, N., Buckley, H.R., Macpherson, C.G. and Cooper, M.J. 2011 Intrinsic or extrinsic population growth in Iron Age northeast Thailand? The evidence from isotopic analysis. *Journal of Archaeological Science*, 38: 665-671
27. Halcrow, S.E. and Tayles, N. 2010. The archaeological infant in biological and social context: a response to Mike Lally and Traci Ardren 2008. *Little artefacts: rethinking the constitution of the archaeological infant, Childhood in the Past*, 1: 62-77. *Childhood in the Past* 3: 123-130.
26. Buckley, H.R., Tayles, N., Halcrow, S.E., Robb, K. and Fyfe, R. 2010. The people of Wairau Bar: a re-examination. *Journal of Pacific Archaeology*, 1: 1-20
25. Halcrow, S. and Tayles, N. 2010. Talon cusp in a deciduous lateral incisor from prehistoric Southeast Asia. *International Journal of Osteoarchaeology* 20: 240-247
24. Bentley, R.A., Cox, K., Tayles, N., Higham, C., Macpherson, C., Cooper, M. and Hayes, T.E.F. 2009. Community diversity at Ban Lum Khao, Thailand: Isotopic evidence from the skeletons. *Asian Perspectives* 48: 79-97
23. Tayles N. 2009. Repatriation: a view from the receiving end, New Zealand. *BAR International Series* 1918:131-135. Oxford: Archaeopress.
22. Willis, A. and Tayles, N. 2009. Field Anthropology: application to burial context in prehistoric Southeast Asia. *Journal of Archaeological Science* 36: 547-554.
21. Halcrow, S.E., Tayles, N., Livingstone, V. 2008. Infant death in late prehistoric Southeast Asia *Asian Perspectives* 47: 371-404.
20. Halcrow, S.E. and Tayles, N. 2008. Stress near the start of life? Localised enamel hypoplasia of the primary canine in late prehistoric mainland Southeast Asia. *Journal of Archaeological Science* 35: 2215-2222.
19. Buckley, H.R., Tayles, N.G., Spriggs, M., Bedford, S. 2008. A preliminary report on health and disease in early Lapita skeletons: Possible biological costs of colonization. *Journal of Island and Coastal Archaeology* 3: 87-114.
18. Halcrow, S.E. and Tayles, N. 2008. The bioarchaeological investigation of childhood and social age: problems and prospects. *Journal of Archaeological Method and Theory* 15: 190-215.

17. Halcrow, S.E., Tayles, N. Buckley, H.R. 2007. Age estimation of children from prehistoric Southeast Asia: are the dental formation methods used appropriate? *Journal of Archaeological Science* 34: 1158-1168.
16. Bentley, R.A., Tayles, N., Higham, C., MacPherson, C. and Atkinson, T. 2007. Shifting gender relations at Khok Phanom Di, Thailand: Isotopic evidence from the skeletons. *Current Anthropology* 48: 301-314.
15. Cox, K., Tayles, N. and Buckley, H.R. 2006 Forensic identification of 'race': the issues in New Zealand. *Current Anthropology* 47: 869-874.
14. Domett, K.M. and Tayles, N. 2006. Adult fracture patterns in prehistoric Thailand: a biocultural interpretation. *International Journal of Osteoarchaeology* 16:185-199
13. Tayles N. and Buckley H.R. 2004 Leprosy and tuberculosis in Iron Age Southeast Asia? *American Journal of Physical Anthropology* 125: 239-256
12. McGrath, M.C. and Tayles, N. 2004. Anatomical observations related to radiological findings in spina bifida occulta of the lumbosacral spine. *Journal of Osteopathic Medicine* 7: 70-78
11. Buckley, H.R. and Tayles, N. 2003 Skeletal pathology in a prehistoric Pacific Island sample: Issues in lesion recording, quantification, and interpretation. *American Journal of Physical Anthropology* 122:303-324.
10. Tayles, N. 2003 Murder or Mortuary Behaviour? An Iron Age Enigma from Northeast Thailand. *International Journal of Osteoarchaeology* 13: 197-206.
9. Buckley, H.R. and Tayles, N.G. 2003 The functional cost of tertiary Yaws (*Treponema pertenuis*) in a prehistoric Pacific Island skeletal sample. *Journal of Archaeological Science* 30: 1301-1314.
8. Kieser, J.A., Dennison, J. K. Kaidonis, J. A. Huang, D. Herbison, P. G. P. Tayles, N. G. Patterns of dental wear in the early Maori dentition. *International Journal of Osteoarchaeology* 11: 206-217 (2001).
7. Nelsen, K., Tayles, N. and Domett, K. Missing lateral incisors in Iron Age Southeast Asians may indicate dental agenesis. *Archives of Oral Biology*. 46: 963-971 (2001).
6. Tayles, N. Domett, K. and Pauk Pauk. Bronze Age Myanmar (Burma): a report on the people from the cemetery of Nyaunggan, Upper Myanmar. *Antiquity* 75:273-278 (2001).
5. Tayles, N. Domett, K. and Nelsen, K. Agriculture and dental caries? The case of rice in prehistoric Southeast Asia. *World Archaeology* 32: 68-83 (2000).

4. Dias, G. and Tayles, N. 'Abscess cavity' - a misnomer. *International Journal of Osteoarchaeology* 7: 548-554 (1997).
3. Tayles, N. Tooth ablation in prehistoric Southeast Asia. *International Journal of Osteoarchaeology*. 6:333-345 (1996).
2. Tayles, N. Anaemia, genetic disease and malaria in prehistoric mainland Southeast Asia. *American Journal of Physical Anthropology* 101: 11-28. (1996)
1. Higham, C., Bannanurag, R, Mason, G. and Tayles, N. Human biology, environment and ritual at Khok Phanom Di. *World Archaeology* 24: 35-54. (1992).

d) Non-refereed Journal Articles and Reports not included elsewhere:

Tayles N. and Halcrow, S. Report on human burials from Ban Suai, Phimai. Submitted to Fine Arts Department, Thailand. 2pp (2002)

Tayles, N. and Halcrow, S. The People of Ban Non Wat. Preliminary report on the first excavation season, January-February 2002. 8pp (2002)

Tayles N. Is this a case of Cerebral Palsy? *Palaeopathology Newsletter* 114: 9-10 (2001)

Tayles, N. Report to the Historic Places Trust on human skeletal remains from Tamati Place, Waikanae. (2001) 14pp

Tayles, N. and Domett, K. Bronze Age Myanmar (Burma): a report to the Department of Archaeology of the Union of Myanmar and the Universities Historical Research Centre, Yangon University, on the people from the cemetery of Nyaunggan, Upper Myanmar. (2000) 23pp

Tayles, N. The People of Nong Nor. Report to the National Research Council of Thailand (1995) 15pp

Tayles, N. and Roy, K. The Human Population In: McGovern-Wilson, R. *Afetna: The Prehistory of South West Saipan* Unpublished Report for InterPacific Resorts and Historic Preservation Office, Saipan, Commonwealth of Northern Marianas Islands. (1989) pp114-158 Appendix pp310-333.

g) Refereed Conference Proceedings

Clark, A., Tayles, N. and Halcrow, S. 2012. Sexual Dimorphism in Adult Skeletal Remains at Ban Non Wat, Thailand, during the Intensification of Agriculture in Early Prehistoric Southeast Asia. Eds Mitchell, P.D. and Buckberry, J. *Proceedings of the Twelfth Annual Conference of the British Association for Biological Anthropology and Osteoarchaeology BAR International Series 2380: 17-28*

Tayles, N. Nelsen, K and Domett, K. 2000. Taphonomy and Pathology, including possible Leprosy, in Iron Age Southeast Asia. XIIIth European Meeting of the Paleopathology Association, Chieti, Italy, September 18-23. *Proceedings: 281-286.*

h) Other Significant Conference Involvement

Co-convenor and Chair of session, 19th Indo-Pacific Prehistory Association Congress, Hanoi, Vietnam, 29 November- 5 December 2009

Co-convenor, Australasian Society for Human Biology Annual conference. Dunedin 4-7 December 2007. With Buckley, Halcrow and Domett. I was responsible for booking venues, organizing registration, financial control.

Co-convenor and Chair, First Congress on Bioarchaeology in Southeast Asia, Siem Reap, Cambodia, January 7 2004.

Joint chair of Session Comparative Anatomy of Ancient Human Skeletons 16th International Congress of the International Federation of Associations of Anatomists. Kyoto, Japan August 22-27 2004

Joint Chair of Session CS9 Prospects for Osteoarchaeology in the 21st Century. Inter-congress of the International Union of Anthropological and Ethnological Sciences, 'The Human Body in Anthropological Perspectives. Tokyo, Japan, 2002

Joint Chair of Session 18 Biological Anthropology in Southeast Asia and Oceania. 16th Congress, The Indo-Pacific Prehistory Association. Melaka, Malaysia. 1998

Conference abstracts

Clark, A. Tayles, N. and Halcrow, S. 2013. Sexual dimorphism and environmental change in prehistoric Southeast Asia. Society for American Archaeology 78th Annual Meeting April 3-7, Honolulu, Hawaii. p142

Domett, K. Evans, C. Tayles, N. and Chang, N. 2013. The influence of socio-cultural change on osteoarthritis in prehistoric Ban Non Wat, Thailand. Society for American Archaeology 78th Annual Meeting April 3-7, Honolulu, Hawaii. p142

Halcrow, S. Harris, N., and Tayles, N. 2013 Endocranial lesions in infants and children in prehistoric Southeast Asia: evidence for a decline in helath with the intensification of rice agriculture. Society for American Archaeology 78th Annual Meeting April 3-7, Honolulu, Hawaii. p142

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Tayles, N. Repatriation in New Zealand, a View from the Receiving End. British Association of Biological Anthropologists and Osteoarchaeologists, Reading, UK September 2007.

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Tayles, N. and Domett, K. Anger or accident? The dangers of Southeast Asian Neolithic life. Australasian Society for Human Biology Annual Conference, Canberra, December 2004. *Homo – Journal of Comparative Human Biology* 56:263-302

Tayles, N. Halcrow, S and Domett, K. Ban Non Wat 2002-2004 preliminary observations. European Association of Southeast Asian Archaeologists 10th Annual Conference, London, 14-17th September 2004.

Tayles, N. Palaeopathology in Southeast Asia. 16th International Congress of the International Federation of Associations of Anatomists. Kyoto, Japan August 22-27 2004

Buckley, HR., and Tayles Nancy G. Quantifying patterns of treponemal disease in skeletal samples: A multi-level exploration of lesion, bone portion and individual patterns of disease expression. *Newsletter and programme of the Palaeopathology Association 31st Annual North America Meeting*, Tampa, Florida: 4-5. (2004).

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Buckley, HR. and Tayles, NG. The functional cost of tertiary yaws lesions in the prehistoric Pacific Islands. *Anthropological Science* 111(1): 64 (2003).

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Tayles, N. Who owns the bones? A New Zealand perspective on ethics and the future for osteoarchaeology. Inter-congress of the International Union of Anthropological and Ethnological Sciences, 'The Human Body in Anthropological Perspective'. Tokyo, Japan, 2002

Tayles, N., Domett, K. and Nelsen, K. Iron Age Northeast Thailand - human health and taphonomy European Association of Southeast Asian Archaeologists, 8th Annual Conference, Sarteano, Italy. July 2000

Tayles, N., Nelsen, K. and Domett, K. Taphonomy and pathology, including leprosy, in Iron Age Southeast Asia. XIIIth European Meeting of the Palaeopathology Association. Chieti, Italy. *Journal of Paleopathology*, 11: 112 (2000)

Tayles, N. and Dias, G.J. The dental paradox? Dental lesions and systemic health. In Abstracts of podium and poster presentations of Sixty-Eighth Annual meeting of the American Association of Physical Anthropologists. Columbus, Ohio, Supplement 28 to the *American Journal of Physical Anthropology* (1999) S28:262

Tayles, N. Nelsen, K. Buckley, H. and Domett, K. The Iron-Age People of Noen U-Loke, North-east Thailand: a preliminary review of the first two field seasons. 16th Congress of the Indo-Pacific Prehistory Association, Melaka, Malaysia, 1-7 July 1998

Tayles, N. and Dias, G. Differential diagnosis of periapical cavities in alveolar bone. In Abstracts of podium and poster presentations of Sixty-Seventh Annual meeting of the American Association of Physical Anthropologists. Salt Lake City, Utah, Supplement 26 to the *American Journal of Physical Anthropology* (1998) 216

Tayles, N. and Roy, K. The prehistoric inhabitants of Afetna, Saipan: health and social status. In Abstracts of podium and poster presentations of the Sixty-fourth Annual Meeting of the American Association of Physical Anthropologists. Oakland, California. Supplement 20 to the American Journal of Physical Anthropology (1995) 209

i) AudioVisual Recordings

Cross, J. and Tayles, N. Walking and Running. (videocassette, col. 15 min.)
Dunedin, Information Technology Services, University of Otago (1998)

12. University Service

(a) Positions held within Department/School/Division (list last 5 years)

2010 Departmental Appointments Committee; Senior lecturer, lecturer positions.
2009- 2010 Chair, Departmental Research Committee
2007- 2010 member Departmental Management/Executive Committee
2002- 2010 Member, Departmental Curriculum Committee
1998- 2010 Chair, Museum Committee, Anatomy Museum
1994 – 2010 Curator of human skeletal collections, Anatomy Department

(b) Positions held at a University level

2009- 2010 member, Summer School and Continuing Education Committee
1999-2006 Equal Opportunities Representative, Divisional promotions committees
1995-2003 Member of Ngai Tahu Koiwi Tangata Policy Group

13. Professional activities

(a) Academic and Professional Advice and Services

(1) Service to public sector departments and statutory authorities, agencies, boards, committees and inquiries

Te Papa Tongarewa, 2005- present, Consultant to Karanga Aotearoa Repatriation Committee

Historic Places Trust, 2001, consultant on human skeletal remains illegally excavated from an Urupa by a developer, Waikanae, Kapiti Coast.

Forensic pathologists, University of Otago; 1995-present; intermittent advice on forensic analysis of human skeletal remains

New Zealand Police, 1993-present, intermittent advice on forensic analysis of human skeletal remains: Report on human skeletal remains found at Arthur's Pass

Canterbury Museum, 1989, Report on human skeletal remains found at Tai Tapu, Canterbury

Auckland Institute and Museum, 1988, Report on human skeletal remains from Raupa, Thames, Valley

(b) Service to External Academic and Professional Activities -

(i) Service to, or leadership in, academic discipline or professional associations

September 2007: Bangkok Thailand: Seminar to students and staff, Silpakorn University

October 2004 Mae Hong Son, Thailand. Presenter for two days of four day workshop for postgraduate students and research assistants

January 2004 Siem Reap Cambodia, organization and chair, 1 day workshop for Cambodian archaeologists and postgraduate students.

January 2000 Myanmar (Burma) organisation and presentation of 2 day seminar and 5 day field school for staff and students of the University of Yangon

January 2000 Bangkok, Thailand: guest lecture to students and staff of Department of Archaeology, Silpakorn University

March 1999 Thailand Organization and presentation of 1 day seminar on biological anthropology for employees of Thai Fine Arts Department, Northeast Thailand

January 1999 Myanmar (Burma) Participation in 6-day international workshop on Prehistory in Myanmar

1993-1999 Thailand. Informal training of Thai professional archaeologists and students during field work and subsequent analysis of materials in Museums.

(ii) Editorship of journals and periodicals.

Refereeing of papers submitted for publication to American Journal of Physical Anthropology, International Journal of Osteoarchaeology, Australasian Society for Human Biology, Journal of Archaeological Science, Archives of Oral Biology, Archaeology in Oceania, Asian Perspectives and Journal of Pacific Archaeology.

Reviewing of grant applications for the Australian Research Council and the National Medical Research Council of Singapore.

14. Community Service

(a) Continuing Education, Community Debate and Community Development

(i) Media commentaries and columns on professional matters.

Contributions to 'Ask a Scientist' Otago Daily Times March 1997 'How to tell age from a skull; Human Bioarchaeology: What's Writ in Them There Bones, 27 September 2001 Dec 2002 'Hands Unique in Animal World'

(ii) Conferences, seminars and workshops

Speaker, University of Third Age