

Full References

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There are references below for the following articles:

- Alloway et al
 - Davis et al
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Alloway et al.:

Alloway, B. V., Pillans, B. J., Sandhu, A. S., Westgate, J. A., 1993. Revision of the marine chronology in Wanganui Basin, New Zealand, based on the isothermal plateau fission-track dating of tephra horizons. *Sedimentary Geology* 82, 299-310.

Alloway, B.V., Westgate, J.A., Pillans, B., Pearce, N., Newnham, R., Byrami, M., Aarburg, S., in press. Stratigraphy, age and correlation of middle Pleistocene silicic tephra in the Auckland region, New Zealand: A prolific distal record of TVZ silicic volcanism. *New Zealand Journal of Geology and Geophysics* 47 (3)

Carter, L., Carter, R.M., McCave, I.N., Gamble, J., 1996. Regional sediment recycling in the abyssal Southwest Pacific Ocean. *Geology* 24, 735-738.

Hall, I.R., McCave, I.N., Shackleton, N.J., Weedon, G.P., Harris, S.E., 2001. Glacial intensification of deep Pacific inflow and ventilation. *Nature* 412, 809-812.

Mix, A. C., Pisias, N. G., Rugh, W., Wilson, J., Morey, A., Hagelberg, T. K., 1995. Benthic foraminifer stable isotope record from Site 849 (0-5 Ma); local and global climate changes. *Proceedings of the Ocean Drilling Program, Scientific Results* 138, 371-412

Naish, T.R., Kamp, P.J.J., Alloway, B.V., Pillans, B.J., Wilson, G.S., Westgate, J.A., 1995. Tephrostratigraphy and integrated chronology for Pliocene-Pleistocene marine cyclothem strata, Wanganui Basin: Implications for the Pliocene-Pleistocene boundary in New Zealand. *Quaternary International* 34-36, 29-49.

Naish, T. R., Abbott, S. S., Alloway, B.V., Beu, A. G., Carter, R. M., Edwards, A. R., Journeaux, T. J., Kamp, P. J. J., Pillans, B., Saul, G., Woolfe, K.J., 1998. Astronomical Calibration of a southern Hemisphere Plio-Pleistocene reference section, Wanganui Basin, New Zealand. *Quaternary Science Reviews* 17, 695-710.

Pillans, B., Roberts, A.P., Wilson, G.S., Abbott, S.T., Alloway, B.V., 1994. Magnetostratigraphic, lithostratigraphic and tephrostratigraphic constraints on middle/lower Pleistocene sea level changes, Wanganui Basin, New Zealand. *Earth and Planetary Science Letters* 121, 81-98.

Pillans, B., Froggatt, P., Kohn, B.P., Berger, G., Walter, R.C., Duller, G., Alloway, B.V., Hesse, P., 1996. Multi-method dating comparison for mid-Pleistocene Rangitawa Tephra, New Zealand. *Quaternary Science Reviews (Quaternary Geochronology)* 15, 641-653

Shane, P.S. Alloway, B.V., Black, T.S., Westgate, J.A. 1995. Isothermal plateau fission-track ages of tephra beds in early-middle Pleistocene marine and terrestrial sequence, Cape Kidnappers, New Zealand. *Quaternary International* 34-36, 49-55.

Shane, P.A.R., Black, T.M., Alloway, B.V., Westgate, J.A., 1996. Early to middle Pleistocene tephrochronology of North Island, New Zealand: implications for volcanism, tectonism and paleoenvironments. *Geological Society of America Bulletin* 108, 915-925.

Shipboard Scientific Party, 1999. Site 1123: North Chatham Drift – a 20 Ma record of the Pacific Deep Western Boundary Current. *Proceedings ODP Initial report Leg 181*, 1-84.

Davis et al.:

Davies, S. M., Wohlfarth, B., Wastegård, S., Blockley, S. P. E. and Possnert, G. 2004: Were there two Borrobol Tephra during the early Late-glacial period: implications for tephrochronology? *Quaternary Science Reviews* 23, 581-589.

Hafliðason, H., Eiríksson, J. and van Kreveld, S. 2000: The tephrochronology of Iceland and the North Atlantic region during the Middle and Late Quaternary: a review. *Journal of Quaternary Science* 15, 3-22.

Hammer, C. U., Clausen, H. B. and Dansgaard, W. 1981: Past volcanism and climate revealed by Greenland ice cores. *Journal of Volcanology and Geothermal Research* 11, 3-10.

Litt, T., Brauer, A., Goslar, T., Merkt, J., Balaga, K., Müller, H., Ralska-Jasiewiczowa, M., Stebich, M. and Negendank, J. F. W. 2001: Correlation and synchronisation of Lateglacial continental sequences in northern central Europe based on annually laminated lacustrine sediments. *Quaternary Science Reviews* 20, 1233-1249.

Lowe, J. J., Hoek, W. Z. and INTIMATE group. 2001: Inter-regional correlation of palaeoclimatic records for the Last Glacial-Interglacial Transition: a protocol for improved precision recommended by the INTIMATE project group. *Quaternary Science Reviews* 20, 1175-1187.

Zielinski, G. A., Mayewski, P. A., Meeker, L. D., Whitlow, S. and Twickler, M. S. 1996: A 110,000 year record of explosive volcanism from the GISP2 (Greenland) ice core. *Quaternary Research* 45, 109-118.

Eastwood et al.:

- Baillie, M. G. L. 1989: Do Irish bog oaks date the Shang Dynasty. *Current Archaeology*, 117, 310-313.
- Baillie, M. G. L. and Munro, M. A. R. 1988: Irish tree rings, Santorini and volcanic dust veils. *Nature*, 332, 344-346.
- Begét, J., Mason, O. and Anderson, P. 1992: Age extent and climatic significance of the ca. 3400 BP Aniakchak tephra, western Alaska, USA. *The Holocene*, 2, 51-56.
- Burgess, C. 1989: Volcanoes, catastrophe and the global crisis of the late second millennium BC, *Current Archaeology*, 117, 325-389.
- Eastwood, W. J., Pearce, N. J. G., Westgate, J. A. and Perkins, W. T. 1998a: Recognition of Santorini (Minoan) tephra in lake sediments from Gölhisar Gölü, southwest Turkey, by laser ablation ICP-MS. *Journal of Archaeological Science*, 25, 677-687.
- Eastwood, W. J., Pearce, N. J. G., Westgate, J. A., Perkins, W. T., Lamb, H. F. and Roberts, N. 1999, Geochemistry of Santorini tephra in lake sediments from Southwest Turkey. *Global and Planetary Change*, 21, 17-29.
- Eastwood, W. J., Roberts, N. and Lamb, H. F. 1998b: Palaeoecological and archaeological evidence for human occupation in southwest Turkey: The Bey_ehir Occupation Phase. *Anatolian Studies*, 48, 69-86.
- Eastwood, W. J., Roberts, N., Lamb, H. F. and Tibby, J. C. 1999b: Holocene environmental change in southwest Turkey: a palaeoecological record of lake and catchment-related changes. *Quaternary Science Reviews*, 18, 671-696.
- Grudd, H., Briffa, K. R., Gunnarson, B. E. 2000: Swedish tree rings provide new evidence in support of a major, widespread environmental disruption in 1628 BC. *Geophysical Research Letters*, 27, 2957-2960.
- Guichard, F., Carey, S., Arthur, M. A., Sigurdsson, H. and Arnold, M. 1993: Tephra from the Minoan eruption of Santorini in sediments of the Black Sea. *Nature*, 363, 610-612.
- Hammer, C. U., Clausen, H. B., Friedrich, W. L. and Tauber, H. 1987: The Minoan eruption of Santorini in Greece dated to 1645 BC? *Nature*, 328, 517-519.
- Hammer, C.U., Kurat, G., Hoppe, P., Grum, W. and Clausen, H.B., 2003. Thera eruption date 1645 BC confirmed by new ice core data?, *Proceedings of SCIEM 2000 - EuroConference, 2nd -7th May 2001. SCIEM2000, Vienna, pp. 87-94.*
- Housley, R. A., Manning, S. W., Cadogan, G., Jones, R. E. and Hedges, R. E. M. 1999: Radiocarbon calibration, and the chronology of the Late Minoan IB Phase. *Journal of Archaeological Science*, 26, 159-171.

- Hunt, J.B. and Hill, P.G., 2001. Tephrological implications of beam size - sample size effects in electron microprobe analyses of glass shards. *Journal of Quaternary Science*, 16: 105-117.
- Keenan, D.J., 2003. The volcanic ash retrieved from the GRIP ice core is not from Thera. *Geochemistry Geophysics Geosystems*, 4 (11), 1097.
- Kuniholm, P. I., Kromer, B., Manning, S. W., Newton, M., Latini, C. E. and Bruce, M. J. 1996: Anatolian tree-rings and the absolute chronology of the eastern Mediterranean 2220-718 BC. *Nature*, 381, 780-783.
- La Marche, V. C. Jr. and Hirschboek, K. K. 1984: Frost rings in trees as records of major volcanic eruption, *Nature*, 307, 121-126.
- La Moreaux, P. E. 1995: Worldwide environmental impacts from the eruption of Thera. *Environmental Geology*, 26, 172-181.
- Luckman, B.H., Kearney, M.S., King, R.H. and Beaudon, A.B., 1986. Revised 14C age for St. Helens Y tephra at Tonquin Pass, British Columbia. *Canadian Journal of Earth Sciences*, 23: 734-736
- Manning, S.W. and Sewell, D.A., 2002. Volcanoes and history: a significant relationship? The case of Santorini. In: R. Torrance and J.P. Grattan (Editors), *Natural Disasters and Cultural Change*. Routledge, London, pp. 264-291.
- Manning, S.W. et al., 2002. New evidence for an early date for the Aegean Late Bronze Age and Thera eruption. *Antiquity*, 76: 733-744.
- Manning, S.W., 1998. Correction. New GISP2 ice core evidence supports 17th century BC date for Santorini (Minoan) eruption: Response to Zelinski and Germani (1998). *Journal of Archaeological Science*, 25: 1039-1042.
- Manning, S.W., Kromer, B., Kuniholm, P.I. and Newton, M.W., 2001. Anatolian tree-rings and a new chronology for the east Mediterranean Bronze-Iron Ages. *Science*, 294: 2532-5.
- Marinatos, S. 1939: The volcanic destruction of Minoan Crete. *Antiquity*, 13, 425-439.
- McCoy, F. W. and Heiken, G. 2000: The Late-Bronze Age explosive eruption of Thera (Santorini), Greece: Regional and local effects. In: McCoy, F W. and Heiken, G. (eds.) *Volcanic Hazards and Disasters in Human Antiquity*. Boulder, Colorado, Geological Society of America Special Paper 345, pp. 43-70.
- Miller, T. P. and Smith, R. L. 1987: Late Quaternary caldera-forming eruptions in the eastern Aleutian arc, Alaska. *Geology*, 15, 434-438.

- Mullineaux, D., Hyde, J. and Rubin, M. 1975: Widespread late glacial and postglacial tephra deposits from Mount St. Helens volcano, Washington. *Research Journal of the U.S. Geological Survey*, 3, 329-335.
- Ninkovich, D. and Heezen, B. C. 1965: Santorini tephra. *Proceedings of the Seventeenth Symposium of the Colston Research Society, Colston Research Papers*, 17, pp. 413-452. Butterworths Scientific Publications, London.
- Pearce, N.J.G. et al., 1997. A compilation of new and published major and trace element data for NIST SRM 610 and NIST SRM 612 glass reference materials. *Geostandards Newsletter*, 21: 115-144.
- Pearce, N.J.G., Eastwood, W.J., Westgate, J.A. and Perkins, W.T., 2002. The composition of juvenile volcanic glass from the c. 3,600 B.P. Minoan eruption of Santorini (Thera). *Journal of the Geological Society*, 159: 545-556.
- Pearce, N.J.G., Westgate, J.A., Perkins, W.T. and Preece, S.J., 2004. The application of ICP-MS methods to tephrochronological studies. *Applied Geochemistry*: in press.
- Pearce, N.J.G., Westgate, J.A., Preece, S.J., Eastwood, W.J. and Perkins, W.T. (2004) Identification of Aniakchak (Alaska) tephra in Greenland ice core challenges the 1645 BC date for Minoan eruption of Santorini. *Geochemistry Geophysics Geosystems*, 5.
- Perkins, M.E., Brown, F.H., Nash, W.P., McIntosh, W. and Williams, S.K., 1998. Sequence, age, and source of silicic fallout tuffs in middle to late Miocene basins of the northern Basin and Range province. *Bulletin of the Geological Society of America*, 110: 344-360
- Perkins, M.E., Nash, W.P., Brown, F.H. and Fleck, R.J., 1995. Fallout tuffs of Trapper Creek, Idaho - a record of Miocene explosive volcanism in the Snake River Plain volcanic province. *Bulletin of the Geological Society of America*, 107: 1484-1506.
- Preece, S.J., Westgate, J.A., Stemper, B.A. and Péwé, T.L., 1999. Tephrochronology of late Cenozoic loess at Fairbanks, central Alaska. *Geological Society of America Bulletin*, 111: 71-90.
- Pringle, P.T., 1993. *Roadside Geology of Mount St Helens National Volcanic Monument and vicinity*. Washington Department of Natural Resources, Olympia, Washington, USA, 120 pp
- Pyle, D. M. 1990: New estimates for the volume of the Minoan eruption. In: Hardy, D. A., Keller, J., Galanopoulos, V. P., Flemming, N. C. and Druitt, T. H. (eds.), *Thera and the Aegean World III: Volume Two - Earth Sciences*. Proceedings of the Third International Congress, Santorini, Greece. London: The Thera Foundation. pp. 113-121.

Pyle, D. M. (1997) The global impact of the Minoan eruption of Santorini, Greece. *Environmental Geology*, 30, (1/2), March 1997, pp. 59-61.

Pyle, D. M. (1989) Ice-core acidity peaks, retarded tree growth and putative eruptions. *Archaeometry*, 31, pp. 88-91.

Riehle, J.R., 1994. Heterogeneity, correlatives and proposed stratigraphic nomenclature of Hayes tephra set H, Alaska. *Quaternary Research*, 41: 285-288.

Riehle, J.R., Bowers, P.M. and Ager, T.A., 1990. The Hayes tephra deposits, an Upper Holocene marker horizon in south-central Alaska. *Quaternary Research*, 33: 276-290.

Riehle, J.R., Meyer, C.E. and Miyoak, R.T., 1999. Data on Holocene Tephra (Volcanic Ash) Deposits in the Alaska Peninsula and Lower Cook Inlet Region of the Aleutian Volcanic Arc, Alaska. USGS Open File Report 99-135.

Sadler, J. P. and Grattan, J. P. 1999: Volcanoes as agents of environmental change. *Global and Planetary Change*, 21, 181-196.

Sigurdsson, H., Carey, S. and Devine, J. D. 1990: Assessment of mass dynamics and environmental effects of the Minoan eruption of Santorini volcano. In: Hardy, D. A., Keller, J., Galanopoulos, V. P., Flemming, N. C. and Druitt, T. H. (eds.), *Thera and the Aegean World III: Volume Two - Earth Sciences. Proceedings of the Third International Congress, Santorini, Greece*. London: The Thera Foundation. pp. 100-112.

Soles, J. S., Taylor, S. R. and Vitaliano, C. J. 1995: Tephra samples from Mochlos and their chronological implications for neopalatial Crete. *Archaeometry*, 37, 385-393.

Sparks, R. S. J. and Wilson, C. J. N. 1990: The Minoan deposits: a review of their characteristics and interpretation. In: Hardy, D. A., Keller, J., Galanopoulos, V. P., Flemming, N. C. and Druitt, T. H. (eds.), *Thera and the Aegean World III: Volume Two - Earth Sciences. Proceedings of the Third International Congress, Santorini, Greece*. London: The Thera Foundation, pp. 89-99.

Stanley, D. J. and Sheng, H. 1986: Volcanic shards from Santorini (Upper Minoan ash) in the Nile Delta, Egypt. *Nature*, 320, 733-735.

Stuiver, M. and Reimer, P.J., 1993. Extended C-14 data base and revised CALIB 3.0 C-14 age calibration program. *Radiocarbon*, 35: 215-230.

Stuiver, M. et al., 1998. INTCAL98 radiocarbon age calibration, 24,000-0 cal BP. *Radiocarbon*, 40: 1041-1083.

Sullivan, D. G. 1988: The discovery of Santorini Minoan tephra in western Turkey, *Nature*, 333, 552-554.

Sullivan, D. G. 1990: Minoan tephra in lake sediments in Western Turkey, dating the eruption and assessing the atmospheric dispersal of the ash, In: D. A. Hardy and A. C. Renfrew (eds.), Thera and the Aegean World III. Volume Three: Chronology. Proceedings of the Third International Congress, Santorini, Greece, pp. 114-119. The Thera Foundation, London.

Sun, S.-s. and McDonough, W.F., 1989. Chemical and isotopic systematics of oceanic basalts: implications for mantle compositions and processes. In: A.D. Saunders and M.J. Norry (Editors), Magmatism in the Ocean Basins. Geological Society Special Publication, pp. 313-345.

Thompson, R.N., 1982. British Tertiary Volcanic Province. *Scottish Journal of Geology*, 18: 49-107

Vinci, A. 1985: Distribution and chemical composition of tephra layers from Eastern Mediterranean abyssal sediments, *Marine Geology*, 64, 143-155.

Vitaliano, C.J., Taylor, S.R., Norman, M.D., McCulloch, M.T. and Nicholls, I.A., 1990. Ash layers of the Thera volcanic series: stratigraphy, petrology and geochemistry. In: D.A. Hardy and A.C. Renfrew (Editors), Thera and the Aegean World III: Volume Two - Earth Sciences. Proceedings of the Third international Congress, Santorini, Greece. The Thera Foundation, London, pp. 71-81.

Vogel, J.S., Cornell, W., Nelson, D.E. and Southon, J.R., 1990. Vesuvius/Avellino, one possible source of seventeenth century BC climatic disturbance. *Nature*, 344: 534-537.

Warren, P.M. and Puchelt, H., 1990. Stratified pumice from Bronze Age Knossos. In: D.A. Hardy and A.C. Renfrew (Editors), Thera and the Aegean World III: Volume Three - Chronology. Proceedings of the Third international Congress, Santorini, Greece. The Thera Foundation, London, pp. 71-81.

Watkins, N. D., Sparks, R. S. J., Sigurdsson, H., Huang, T. C., Federman, A., Carey, S. and Ninkovich, D. 1978: Volume and extent of the Minoan tephra from Santorini volcano: new evidence from deep-sea cores, *Nature*, 271, 122-126.

Westgate, J.A. and Gorton, M.P., 1981. Correlation techniques in tephra studies. In: S. Self and R.S.J. Sparks (Editors), Tephra Studies. D. Reidel Publishing Company, pp. 73-94.

Westgate, J.A., 1977. Identification and significance of late Holocene tephra from Otter Creek, southern British Columbia, and localities in west-central Alberta. *Canadian Journal of Earth Sciences*, 14: 2593-2600

Westgate, J.A., Perkins, W.T., Fuge, R., Pearce, N.J.G. and Wintle, A.G., 1994. Trace element analysis of volcanic glass shards by laser ablation inductively coupled plasma mass spectrometry: application to Quaternary tephrochronological studies. *Applied Geochemistry*, 9: 323-355

White, R. S. and Humphreys, C. J. 1994: Famines and Cataclysmic volcanism. *Geology Today*, September/October, (181), 181-185.

Zielinski, G. A. and Germani, M. S. 1998: New ice-core evidence challenges the 1620s BC age for the Santorini (Minoan) eruption. *Journal of Archaeological Science*, 25, 279-289.

Lowe and Newnham:

Alloway, B.V., Fyfe, R. and Neall, V.E., 1990: Further evidence of early Maori occupation on the flanks of Egmont volcano. *Archaeology in New Zealand*, 33, 40-48.

Anderson, A.J., 1991: The chronology of colonisation in New Zealand. *Antiquity*, 65, 767-795.

Anderson, A.J., 1996: Was *Rattus exulans* in New Zealand 2000 years ago? AMS radiocarbon ages from Shag River Mouth. *Archaeology in Oceania*, 31, 178-184.

Anderson, A.J., 2000: Differential reliability of ¹⁴C AMS ages of *Rattus exulans* bone gelatin in south Pacific prehistory. *Journal of the Royal Society of New Zealand*, 30, 243-261.

Anderson, A.J., 2004: The age disconformity in AMS radiocarbon results on *Rattus exulans* bone. *New Zealand Journal of Archaeology*, 24 (2002), 149-156.

Anderson, A.J. and Higham, T.F.G., 2004: The age of rat introduction in New Zealand: further evidence from Earthquakes #1, North Otago. *New Zealand Journal of Archaeology*, 24 (2002), 135-147.

Brook, F.J., 2000: Prehistoric predation of the landsnail *Placostylus ambagiosus* Suter (Stylommatophora: Bulimulidae), and evidence for the timing of establishment of rats in northernmost New Zealand. *Journal of the Royal Society of New Zealand*, 30, 227-241.

Buck, C.E., Higham, T.F.G. and Lowe, D.J., 2003: Bayesian tools for tephrochronology. *The Holocene*, 13, 639-647.

Flenley, J.R. and Todd, A., 2001: A genome or memome: the cause of the rise in bracken fern at around 700 BP in New Zealand. *Proceedings of the 7th Australasian Archaeometry Conference*, 141-145.

Higham, T.F.G. and A.G. Hogg, 1997: Evidence for late Polynesian colonisation of New Zealand: University of Waikato radiocarbon measurements. *Radiocarbon*, 39, 149-192.

Higham, T.F.G. and F.J. Petchey, 2000: On the reliability of archaeological rat bone for radiocarbon dating in New Zealand. *Journal of the Royal Society of New Zealand*, 30, 399-409.

- Higham, T.F.G., Anderson, A.J. and Jacomb, C. 1999: Dating the first New Zealanders: the chronology of Wairau Bar. *Antiquity*, 73, 420-427.
- Higham, T.F.G., Hedges, R.E.M., Anderson, A.J., Bronk Ramsey, C. and Fankhauser, B., 2004: Problems associated with the AMS dating of small bone samples: the question of the arrival of Polynesian rats to New Zealand. *Radiocarbon*, 46, 207-218.
- Hogg, A.G., McCormac, F.G., Higham, T.F.G., Reimer, P.J., Baillie, M.G.L., Palmer, J.G. and Stuiver, M., 2002. High-precision ¹⁴C measurements of contemporaneous tree-ring dated wood from the British Isles and New Zealand: AD 1850 – 950. *Radiocarbon*, 44, 633-640.
- Hogg, A.G., Higham, T.F.G., Lowe, D.J., Palmer, J., Reimer, P. and Newnham, R.M., 2003: A wiggle-match date for Polynesian settlement of New Zealand. *Antiquity*, 77, 116-125.
- Holdaway, R.N., 1996: Arrival of rats in New Zealand. *Nature*, 384, 225-226.
- Holdaway, R.N., 1999: A spatio-temporal model for the invasion of the New Zealand archipelago by the Pacific rat *Rattus exulans*. *Journal of the Royal Society of New Zealand*, 29, 91-105.
- Holdaway, R.N., Roberts, R.G., Beavan-Athfield, N.R., Olley, J.M. and Worthy, T.H., 2002: Optical dating of quartz sediments and accelerator mass spectrometry ¹⁴C dating of bone gelatin and moa eggshell: a comparison of age estimates for non-archaeological deposits in New Zealand. *Journal of the Royal Society of New Zealand*, 32, 463-505.
- Horrocks, M., Deng, Y., Ogden, J., Alloway, B.V., Nichols, S. and Sutton, D.G., 2001: High spatial resolution of pollen and charcoal in relation to the c. 600 year BP Kaharoa Tephra: implications for Polynesian settlement of Great Barrier Island New Zealand. *Journal of Archaeological Science*, 28, 153-168.
- Horrocks, M., Shane, P.A.R., Barber, I.G., D'Costa, D.M. and Nichol, S.L., 2004: Microbotanical remains reveal Polynesian agriculture and mixed cropping in early New Zealand. *Review of Palaeobotany and Palynology*, 131, 147-157.
- Kondo, R., Childs, C.W. and Atkinson, I., 1994: *Opal Phytoliths in New Zealand*. Manaaki Whenua Press, 85p.
- Lowe, D.J., 1990: Tephra studies in New Zealand: an historical review. *Journal of the Royal Society of New Zealand*, 20, 119-150.
- Lowe, D.J. and de Lange, W.P., 2000: Volcano-meteorological tsunamis, the c. AD 200 Taupo eruption (New Zealand) and the possibility of a global tsunami. *The Holocene*, 10, 401-407.

- Lowe, D.J. Hunt, J.B., 2001: A summary of terminology used in tephra-related studies. In: *Tephras: Chronology, Archaeology*; Juvigné, E.T. and Raynal, J.-P. (eds), *Les Dossiers de l'Archéo-Logis*, 1, 17-22.
- Lowe, D.J. and Newnham, R.M., 1999: Advances in Quaternary tephrostratigraphy and tephrochronology in New Zealand. *Quaternary Australasia*, 17, 12-19.
- Lowe, D.J., McFadgen, B.G., Higham, T.F.G., Hogg, A.G., Froggatt, P.C. and Nairn, I.A., 1998: Radiocarbon age of the Kaharoa Tephra, a key marker for late-Holocene stratigraphy and archaeology in New Zealand. *The Holocene*, 8, 499-507.
- Lowe, D.J., Newnham, R.M., McFadgen, B.G. and Higham, T.F.G., 2000: Tephras and New Zealand archaeology. *Journal of Archaeological Science*, 27, 859-870.
- Lowe, D.J., Newnham, R.M. and McCraw, J.D., 2002: Volcanism and early Maori society in New Zealand. In: *Natural Disasters and Cultural Change*; Torrence, R. and Grattan, J. (eds), Routledge, 126-161.
- Lowe, D.J., Newnham, R.M., Higham, T.F.G., Wilmshurst, J.M., McGlone, M.S. and Hogg, A.G., in press: Dating earliest human impact and settlement in New Zealand. In: *Origins of the First New Zealanders 2nd edition*; Sutton, D.G. (ed), Auckland University Press.
- Matisoo-Smith, E., 2002: Something old, something new: do genetic studies of contemporary populations reliably represent prehistoric populations of Pacific *Rattus exulans*? *Human Biology*, 74, 489-496.
- Matisoo-Smith, E. and Robins, J.H. 2004: Origin and dispersals of Pacific peoples: Evidence from mtDNA phylogenies of the Pacific rat. *Proceedings of the National Academy of Sciences*, 101, 9167-9172.
- McFadgen, B.G., 2003: Pre-European archaeology of the coast. In: *The New Zealand Coast*; Goff, J.G., Nichol, S.L. and Rouse, H.L. (eds), Dunmore Press, 265-296.
- McGlone, M.S. and Jones, K.L., 2004: The impact of Polynesian settlement on the vegetation of the coastal Bay of Plenty. In: *Kohika*; Irwin, G. (ed), Auckland University Press, 20-44.
- McGlone, M.S. and Wilmshurst, J.M., 1999: Dating initial Maori environmental impact in New Zealand, *Quaternary International*, 59, 5-16.
- Newnham, R.M. and Lowe, D.J., 1999: Testing the synchronicity of pollen signals using tephrostratigraphy. *Global and Planetary Change*, 21, 113-128.
- Newnham, R.M. and Lowe, D.J., 2000: Fine-resolution pollen record of late-glacial climate reversal from New Zealand. *Geology*, 28, 759-762.

- Newnham, R.M., Lowe, D.J. and Wigley, G.N.A., 1995: Late Holocene palynology and palaeovegetation of tephra-bearing mires at Papamoa and Waihi Beach, western Bay of Plenty, North Island, New Zealand. *Journal of the Royal Society of New Zealand*, 25, 283-300.
- Newnham, R. M., Lowe, D.J. and Williams, P.W., 1999: Quaternary environmental change in New Zealand: a review. *Progress in Physical Geography*, 23, 567-610.
- Newnham, R.M., Lowe, D.J., McGlone, M.S., Wilmshurst, J.M. and Higham, T.F.G., 1998: The Kaharoa Tephra as a critical datum for earliest human impact in northern New Zealand. *Journal of Archaeological Science*, 25, 533-544.
- Newnham, R.M., Eden, D.N., Lowe, D.J. and Hendy, C.H., 2003: Rerewhakaaitu Tephra, a land-sea marker for the Last Termination in New Zealand, with implications for global climate change. *Quaternary Science Reviews*, 22, 289-308.
- Newnham, R.M., Lowe, D.J., Green, J.D., Turner, G.M., Harper, M.A., McGlone, M.S., Stout, S.L., Horie, S. and Froggatt, P.C., 2004: A discontinuous c. 80 ka record of Late Quaternary environmental change from Lake Omapere, Northland, New Zealand. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 207, 165-198.
- Nichol, R., 1982: Fossilised human footprints in Rangitoto Ash on Motutapu Island. *Geological Society of New Zealand Newsletter*, 51, 11-13.
- Ogden, J., Basher, L.R. and McGlone, M.S., 1998: Fire, forest regeneration and links with early human habitation: evidence from New Zealand. *Annals of Botany*, 81, 687-696.
- Oliver, W.R.B., 1931: An ancient Maori oven on Mount Egmont. *Journal of the Polynesian Society*, 40, 73-79.
- Sase, T. and Hosono, M., 1996: Vegetation histories of Holocene volcanic ash soils in Japan and New Zealand – relationship between genesis of melanic volcanic ash soils and human impact. *Earth Science (Chikyu Kagaku)*, 50, 466-482.
- Schmidt, M. and Higham, T.F.G., 1998: Sources of New Zealand's East Polynesian culture revisited: the radiocarbon chronology of the Tairua archaeological site, New Zealand. *Journal of the Polynesian Society*, 107, 395-403.
- Shane, P.A.R., 2000: Tephrochronology: a New Zealand case study. *Earth-Science Reviews*, 49, 223-259.
- Sparks, R.J., Melhuish, W.H., McKee, J.W.A., Ogden, J. and Palmer, J.G., 1995: ^{14}C calibration in the Southern Hemisphere and the date of the last Taupo eruption: evidence from tree-ring sequences. *Radiocarbon*, 37, 155-163.
- Sutton, D.G., 1987: A paradigmatic shift in Polynesian prehistory: implications for New Zealand. *New Zealand Journal of Archaeology*, 9, 135-155.

Sutton, D.G., 1994: Conclusions: origins. In: *Origins of the First New Zealanders*; Sutton, D.G. (ed), Auckland University Press, 243-258.

Sveinbjörnsdóttir, A.E., Heinemeier, J. and Gudmundsson, G., 2004: 14C dating of settlement of Iceland. *Radiocarbon*, 46, 387-394.

Wastegard, S., Hall, V.A., Hannon, G.E., van den Bogaard, C., Pilcher, J.R., Sigurgeirsson, M.A. and Hermanns-Audardottir, M., 2003: Rhyolitic tephra horizons in northwestern Europe and Iceland from the AD 700s-800s: a potential alternative for dating first human impact. *The Holocene*, 13, 277-283.

Wilmschurst, J.M. and Higham, T.F.G., 2004: Using rat-gnawed seeds to independently date the arrival of Pacific rats and humans to New Zealand. *The Holocene*, 14, 801-806.