

Curriculum Vitae **Erik Trinkaus**

Education and Degrees

- 1970-1975 University of Pennsylvania
 Ph.D 1975 Dissertation: *A Functional Analysis of the Neandertal Foot*
 M.A. 1973 Thesis: *A Review of the Reconstructions and Evolutionary Significance of the Fontéchevade Fossils*
- 1966-1970 University of Wisconsin
 B.A. 1970

ACADEMIC APPOINTMENTS

Primary Academic Appointments

Current

- 2002- Mary Tileston Hemenway Professor of Arts & Sciences, Department of Anthropology, Washington University

Previous

- 1997-2002 Professor: Department of Anthropology, Washington University
1996-1997 Regents' Professor of Anthropology, University of New Mexico
1983-1996 Assistant Professor to Professor: Dept. of Anthropology, University of New Mexico
1975-1983 Assistant to Associate Professor: Department of Anthropology, Harvard University

MEMBERSHIPS

Honorary

- 2001- Academy of Science of Saint Louis
1996- National Academy of Sciences USA

Professional

- 1992- Paleoanthropological Society
1990- Anthropological Society of Nippon
1985- Société d'Anthropologie de Paris
1973- American Association of Physical Anthropologists

AWARDS

- 2013 Faculty Mentor Award, Graduate School, Washington University
2011 Arthur Holly Compton Award for Faculty Achievement, Washington University
2005 Faculty Mentor Award, Graduate School, Washington University

PUBLICATIONS: Books

- Trinkaus, E., Shipman, P. (1993) *The Neandertals: Changing the Image of Mankind*. New York:
Alfred A. Knopf Pub. pp. 454.

PUBLICATIONS: Monographs

- Trinkaus, E., Buzhilova, A.P., Mednikova, M.B., Dobrovolskaya, M.V. (2014) *The People of Sunghir: Burials, Bodies and Behavior in the Earlier Upper Paleolithic*. New York: Oxford University Press. pp. 339.
- Trinkaus, E., Constantin, S., Zilhão, J. (Eds.) (2013) *Life and Death at the Peștera cu Oase. A Setting for Modern Human Emergence in Europe*. New York: Oxford University Press. pp. 437.
- Doboș, A., Soficaru, A., Trinkaus, E. (2010) *The Prehistory and Paleontology of the Peștera Muierii, Romania. Études et Recherches Archéologiques de l'Université de Liège* 124: 1-122.
- Shang, H. & Trinkaus, E. (2010) *The Early Modern Human from Tianyuan Cave, China*. College Station TX: Texas A&M University Press. pp. 245.
- Trinkaus, E. & Svoboda, J.A. (Eds.) (2006) *Early Modern Human Evolution in Central Europe: The People of Dolní Věstonice and Pavlov*. *Dolní Věstonice Studies* 12. New York: Oxford University Press. pp. 489.
- Zilhão, J. & Trinkaus, E. (Eds.) (2002) *Portrait of the Artist as a Child. The Gravettian Human Skeleton from the Abrigo do Lagar Velho and its Archeological Context*. *Trabalhos de Arqueologia* Vol. 22. pp. 609.
- Sládek, V., Trinkaus, E., Hillson, S.W. & Holliday, T.W. (2000). *The People of the Pavlovian: Skeletal Catalogue and Osteometrics of the Gravettian Fossil Hominids from Dolní Věstonice and Pavlov*. *Dolní Věstonice Studies* 5. Brno: Akademie věd České republiky. pp. 244.
- Radovčić, J., Smith, F.H., Trinkaus, E., & Wolpoff, M.H. (1988) *The Krapina Hominids: An Illustrated Catalog of the Skeletal Collection*. Zagreb: Mladost Publishing House. pp. 119.
- Trinkaus, E. (1983) *The Shanidar Neandertals*. New York: Academic Press. pp. 502.

PUBLICATIONS: Conference Volumes

- Trinkaus, E. ed. (1989) *The Emergence of Modern Humans: Biocultural Evolution in the Later Pleistocene*. Cambridge UK: Cambridge University Press. pp. 285.
- Trinkaus, E. ed. (1988) *L'Homme de Néandertal 3: L'Anatomie. Études et Recherches Archéologiques de l'Université de Liège*. Vol. 30. pp. 145.
- Trinkaus, E. ed. (1983) *The Mousterian Legacy: Human Biocultural Change in the Upper Pleistocene*. Oxford: British Archaeological Reports. Vol. S164. pp. 227.

PUBLICATIONS: Articles and Chapters¹

¹ * indicates a publication in a peer-reviewed journal. † indicates an invited paper. ‡ indicates a paper deriving from a scientific conference.

- Faivre, J.P., Maureille, B., Bayle, P., Crevecoeur, I., Duval, M., Grün, R., Bemilli, C., Bonilauri, S., Coutard, S., Bessou, M., Limondin-Lozouet, N., Cottard, A., Deshayes, T., Douillard, A., Henaff, X., Pautret-Homerville, C., Kinsley, L., Trinkaus, E. (n.d.) The Middle Pleistocene human remains from Tourville-la-Rivière (Normandy, France) and their archaeological context. *PloS One* (in press).
- Trinkaus, E. (n.d.) The pathological people of Dolní Věstonice and Pleistocene human abnormalities. In: Sázelová, S., Novák, M., Mizerová, A. (eds.) *Forgotton Times, Spaces and Life-styles*. Brno: Archeologický ústav, Akademie věd České republiky & Masarykova univerzita (in press).†
- Trinkaus, E., Buzhilova, A.P., Mednikova, M.B., Dobrovolskaya, M.V. (n.d.) The age of the Sunghir Upper Paleolithic human burials. *Anthropologie (Brno)* (in press).†
- Trinkaus, E. (n.d.) The evolution of the hand in Pleistocene *Homo*. In: Kivell, T.L., Lemelin, P., Richmond, B.G., Schmitt, D. (eds.) *The Evolution of the Primate Hand: Perspectives from Anatomical, Developmental, Functional and Paleontological Evidence*. Developments in Primatology: Progress and Prospects Series. Dordrecht: Springer. (in press).
- Plavcan, J.M., Meyer, V., Hammond, A.S., Couture, C., Madelaine, S., Holliday, T.W., Maureille, B., Ward, C.V., Trinkaus, E. (2014) The Regourdou Neandertal body size. *Comptes Rendus Palevol* doi 10.1016/j.crpv.2014.07.003.*
- Wu, X.J., Trinkaus, E. (2012) Neurocranial trauma on the late archaic human remains from Xujia Yao, northern China. *International Journal of Osteoarchaeology* doi 10.1002/oa.2283 (online).*
- Cowgill, L.W., Mednikova, M.B., Buzhilova, A.P., Trinkaus, E. (2012) The Sunghir 3 Upper Paleolithic juvenile: Pathology and persistence in the Paleolithic. *International Journal of Osteoarchaeology* doi 10.1002/oa.2273 (online).*
- Wu, X.J., Crevecoeur, I., Liu, W., Xing, S., Trinkaus, E. (2014) Temporal labyrinths of eastern Eurasian Pleistocene humans. *Proceeding of the National Academy of Sciences USA* 111:10509-10513. doi 10.1073/pnas.1410735111.
- Pinilla, B., Trinkaus, E. (2014) Buccal dental microwear and diet of the Sunghir Upper Paleolithic modern humans (in Russian). *Archaeology, Ethnology and Anthropology in Eurasia* 2(58): 131-142.
- Trinkaus, E. (2014) Life, death and burial at Dolní Věstonice II. In: Sázelová, S., Hupková, A., Mořkovský, T. (eds.) *Mikulov Anthropology Meeting 2014. Dolní Věstonice Studies* 20: 67-72.
- Wu, X.J., Trinkaus, E. (2014) The Xujia Yao 14 mandibular ramus and Pleistocene *Homo* mandibular variation. *Comptes Rendus Palevol* 13:333-341. doi 10.1016/j.crpv.*
- Trinkaus, E., Holliday, T.W., Auerbach, B.M. (2014) Neandertal clavicle length. *Proceedings of the National Academy of Sciences USA* 111:4438-4442. doi 10.1073/pnas.1402439111.
- Trinkaus, E. (2014) The extinction of the Neandertals. In: M. Otte (ed.), *Néandertal/Cro-Magnon: La Rencontre*. Arles: Éditions Errance. pp. 11-29.†
- Trinkaus, E., Haduch, E., Valde-Nowak, P.W., Wojtal, P. (2014) The Obłazowa 1 early modern human pollical phalanx and Late Pleistocene distal thumb proportions. *Homo*. 65:1-12. doi 10.1016/j.jchb.2013.09.002.*

- Lacy, S.A., Trinkaus, E. (2013) The foramina transversaria of the Sunghir 2 and 3 cervical vertebrae. *Archaeology, Ethnology and Anthropology in Eurasia* 41:126-131. doi 10.1016/j.aeae.2014.03.016.
- Zilhão, J., Angelucci, D., Aubry, T., Badal, E., Brugal, J.P., Carvalho, R., Gameiro, C., Hoffman, D., Matias, H., Mauricio, J., Nabais, M., Pike, A., Póvoas, L., Richter, D., Souto, P., Trinkaus, E., Wainer, K., Willman, J. (2013) A Gruta da Oliveira (Torres Novas): Uma jazida de referência para o paleolítico médio da península ibérica. In: Arnaud, J.M., Martins, A., Neves, C. (eds.) *Arqueologia em Portugal. 150 Anos*. Lisbon: Associação dos Arqueólogos Portugueses. pp. 259-268.
- Trinkaus, E. (2013) The paleobiology of modern human emergence. In: Smith, F.H., Ahern, J.C.M. (eds.) *Origins of Modern Humans: Biology Reconsidered*, 2nd ed. Hoboken: John Wiley & Sons. pp. 393-434.†
- Guatelli-Steinberg D, Buzhilova AP, Trinkaus E. (2013) Developmental stress and survival among the Mid Upper Paleolithic Sunghir children: Dental enamel hypoplasias of Sunghir 2 and 3. *International Journal of Osteoarchaeology* 23:421-431. doi 10.1002/oa.1263.*
- Liu, W., Schepartz, L.A., Xing, S., Miller-Antonio, S., Wu, X.J., Trinkaus, E., Martinón-Torres, M. (2013) Late Middle Pleistocene hominin teeth from Paxian Dadong, south China. *Journal of Human Evolution* 64:337-355. doi 10.1016/j.jhevol.2012.10.012.*
- Robu, M., Fortin, J.K., Richards, M.P., Schwartz, C.C., Wynn, J., Robbins, C.T., Trinkaus, E. (2013) Isotopic evidence for dietary flexibility among European Late Pleistocene cave bears (*Ursus spelaeus*). *Canadian Journal of Zoology* 91: 227-234. doi 10.1139/cjz-2012-0222.*
- Wu, X.J., Xing, S., Trinkaus, E. (2013) An enlarged parietal foramen in the late archaic Xujiayao 11 neurocranium from northern China, and rare anomalies in Pleistocene *Homo*. *PLoS ONE* 8(3): e59587. doi:10.1371/journal.pone.0059587.*
- Milota ř, Gherase M, Sarcină L, Rodrigo R, Moldovan O, Trinkaus E, Constantin S, Zilhão J. (2013) Exploration and documentation of the Peștera cu Oase. In: Trinkaus, E., Constantin, S., Zilhão, J. (Eds.) *Life and Death at the Peștera cu Oase. A Setting for Modern Human Emergence in Europe*. New York: Oxford University Press. pp. 5-15.
- Zilhão J, Milota ř, Rodrigo R, Constantin S, Trinkaus E. (2013) Problems, approaches and fieldwork: 2004-2005. In: Trinkaus, E., Constantin, S., Zilhão, J. (Eds.) *Life and Death at the Peștera cu Oase. A Setting for Modern Human Emergence in Europe*. New York: Oxford University Press. pp. 16-30.
- Trinkaus E., Pacher M. (2013) Taphonomic considerations of the non-ursid vertebrate remains. In: Trinkaus, E., Constantin, S., Zilhão, J. (Eds.) *Life and Death at the Peștera cu Oase. A Setting for Modern Human Emergence in Europe*. New York: Oxford University Press. pp. 204-210.
- Trinkaus E, Richards M.P. (2013) Stable isotopes and dietary patterns of the faunal species from the Peștera cu Oase. In: Trinkaus, E., Constantin, S., Zilhão, J. (Eds.) *Life and Death at the Peștera cu Oase. A Setting for Modern Human Emergence in Europe*. New York: Oxford University Press. pp. 211-226.
- Trinkaus E. (2013) Radiocarbon Dating of the Peștera cu Oase human remains. In: Trinkaus, E., Constantin, S., Zilhão, J. (Eds.) *Life and Death at the Peștera cu Oase. A Setting for Modern Human Emergence in Europe*. New York: Oxford University Press. pp. 229-233.

- Trinkaus E, Rougier H. (2013) The human mandible from the Peștera cu Oase, Oase 1. In: Trinkaus, E., Constantin, S., Zilhão, J. (Eds.) *Life and Death at the Peștera cu Oase. A Setting for Modern Human Emergence in Europe*. New York: Oxford University Press. pp. 234-256.
- Rougier H, Trinkaus E. (2013) The human cranium from the Peștera cu Oase, Oase 2. In: Trinkaus, E., Constantin, S., Zilhão, J. (Eds.) *Life and Death at the Peștera cu Oase. A Setting for Modern Human Emergence in Europe*. New York: Oxford University Press. pp. 257-320.
- Trinkaus E, Bailey SE, Rougier H. (2013) The dental and alveolar remains of Oase 1 and 2. In: Trinkaus, E., Constantin, S., Zilhão, J. (Eds.) *Life and Death at the Peștera cu Oase. A Setting for Modern Human Emergence in Europe*. New York: Oxford University Press. pp. 348-374.
- Richards MP, Trinkaus E. (2013) The Oase 1 human stable isotopes. In: Trinkaus, E., Constantin, S., Zilhão, J. (Eds.) *Life and Death at the Peștera cu Oase. A Setting for Modern Human Emergence in Europe*. New York: Oxford University Press. pp. 375-382.
- Constantin S, Zilhão J, Trinkaus E. (2013) The paleoenvironmental context of the Peștera cu Oase. In: Trinkaus, E., Constantin, S., Zilhão, J. (Eds.) *Life and Death at the Peștera cu Oase. A Setting for Modern Human Emergence in Europe*. New York: Oxford University Press. pp. 385-388.
- Trinkaus E, Zilhão J. (2013) Paleoanthropological implications of the Peștera cu Oase and its contents. In: Trinkaus, E., Constantin, S., Zilhão, J. (Eds.) *Life and Death at the Peștera cu Oase. A Setting for Modern Human Emergence in Europe*. New York: Oxford University Press. pp. 389-400.
- Trinkaus, E., Buzhilova, A.P. (2012) The death and burial of Sunghir 1. *International Journal of Osteoarchaeology* 22: 655-666. doi 10.1002/oa.1227.*
- Puymerail, L., Ruff, C.B., Bondioli, L., Widianto, H., Trinkaus, E., Macchiarelli, R. (2012) Structural analysis of the Kresna 11 *Homo erectus* femoral shaft (Sangiran, Java). *Journal of Human Evolution* 63: 741-749. doi 10.1016/j.jhevol.2012.08.003.*
- Doboș A, Trinkaus E. (2012) A new AMS radiocarbon date for Middle Paleolithic Layer 4 of Ripiceni-Izvor, Romania. *Materiale și Cercetări Arheologice* 8: 7-10.
- Wu, X.J., Maddux, S.D., Pan, L., Trinkaus, E. (2012) Nasal floor variation among eastern Eurasian Pleistocene *Homo*. *Anthropological Science* 120: 217-226. doi 10.1537/ase.120709.*
- Trinkaus, E. (2012) The human humerus from the Broken Hill Mine, Kabwe, Zambia. *American Journal of Physical Anthropology* 149:312–317. doi 10.1002/ajpa.22118.*
- Lacy, S.A., Wu, X.J., Trinkaus, E. (2012) Dentoalveolar paleopathology of the early modern humans from Zhirendong, south China. *International Journal of Paleopathology* 2: 10-18. doi 10.1016/j.ijpp.2012.06.003.*
- Trinkaus, E. (2012) Neandertals, early modern humans, and rodeo riders. *Journal of Archaeological Science* 39: 3691-3693 doi 10.1016/j.jas.2012.05.039.*
- Willman, J.C., Maki, J., Bayle, P., Trinkaus, E., Zilhão, J. (2012) Middle Paleolithic human remains from the Gruta da Oliveira (Torres Nova), Portugal. *American Journal of Physical Anthropology*. 149: 39-51. doi 10.1002/ajpa.22091.*
- Dobrovolskaya, M., Richards, M.P., Trinkaus, E. (2012) Direct radiocarbon dates for the Mid-Upper Paleolithic (eastern Gravettian) burials from Sunghir, Russia, *Bulletins et Mé-*

- moires de la Société d'Antropologie de Paris* 24: 96-102. doi 10.1007/s13219-011-0044-4.*
- Verna C, Dujardin V, Trinkaus E. (2012) The Early Aurignacian human remains from La Quina-Aval (France). *Journal of Human Evolution* 62: 605-617. doi 10.1016/j.jhevol.2012.02.001.*
- Trinkaus, E., Ruff, C.B. (2012) Femoral and tibial diaphyseal cross-sectional geometry in Pleistocene *Homo*. *PaleoAnthropology* 2012: 13-62. doi 10.4207/PA.2012.ART69.*
- Soficaru, A., Arghir, R., Trinkaus, E. (2011) Scheletul uman descoperit în Peștera Baltagul (Jud. Bihor). In: Măgureanu D, Măndescu D, Matei S (eds.) *Archaeology: Making Off and Practice. Studies in Honor of Mircea Babeș at his 70th Anniversary*. Pitești: Editura Ordessos Muzeul Județean Argeș / Institutul de Arheologie "Vasile Pârvan". pp. 373-380.
- Wu, X.J., Schepartz L.A., Liu, W., Trinkaus, E. (2011) Antemortem trauma and survival in the Late Middle Pleistocene human cranium from Maba, south China. *Proceedings of the National Academy of Sciences USA* 108: 19558-19562 doi 10.1073/pnas.1117113108.
- Higham T, Compton T, Stringer C, Jacobi R, Shapiro B, Trinkaus E, Chandler B, Gröning F, Collins C, Hillson S, O'Higgins P, FitzGerald C & Fagan M. (2011) The earliest evidence for anatomically modern humans in northwestern Europe. *Nature* 479: 521-524.doi 10.1038/nature10484.*
- Walker, M.J., Ortega, J., Parmová, K., López, M.V., Trinkaus, E. (2011) Morphology, body proportions and postcranial hypertrophy of a female Neandertal from the Sima de las Palomas, southeastern Spain. *Proceedings of the National Academy of Sciences USA* 108: 10087-10091 doi 10.1073/pnas.1107318108.
- Trinkaus, E. (2011) The postcranial dimensions of the La Chapelle-aux-Saints 1 Neandertal. *American Journal of Physical Anthropology* 145: 461-468. doi 10.1002/ajpa.21528.*
- Trinkaus, E., Bailey, S.E., Davis, S.J.M., Zilhão, J. (2011) The Magdalenian human remains from the Galeria da Cisterna (Almonda karstic system, Torres Novas, Portugal) and their archeological context. *O Arqueólogo Português* Série V, 1: 395-413.
- Trinkaus, E. (2011) Late Neandertals and early modern humans in Europe: Population dynamics and paleobiology. In: Condemi S & Weniger GC (eds.) *Continuity and Discontinuity in the Peopling of Europe: One Hundred Fifty Years of Neanderthal Study*. Vertebrate Paleobiology and Paleoanthropology Vol. 1. Dordrecht: Springer Verlag. pp. 315-329. doi 10.1007/978-94-007-0492-3_24.‡
- Walker, M.J., Zapata J., Lombardi A.V., Trinkaus, E. (2011) New evidence of dental pathology in 40,000 year old Neandertals. *Journal of Dental Research* 90:428-432. doi 10.1177/0022034510387797.*
- Walker, M.J., Ortega, J., López, M.V., Parmová, K., Trinkaus, E. (2011) Neandertal postcranial remains from the Sima de las Palomas del Cabezo Gordo, Murcia, southeastern Spain. *American Journal of Physical Anthropology*. 144:505-515. doi 10.1002/ajpa.21428.*
- Maki, J., Trinkaus, E. (2011) Opponens pollicis mechanical effectiveness in Neandertals and early modern humans. *PaleoAnthropology* 2011:62-71. doi 10.4207/PA.2011.ART43.*
- Trinkaus, E. (2011) Late Pleistocene adult mortality patterns and modern human establishment. *Proceedings of the National Academy of Sciences USA* 108: 1267-1271 doi 10.1073/pnas.1018700108.

- Trinkaus, E., Svoboda, J., Wojtal, P., Nývllová Fišáková, M., Wilczyński, J. (2010) Human remains from the Moravian Gravettian: Morphology and taphonomy of additional elements from Dolní Věstonice II and Pavlov I. *International Journal of Osteoarchaeology* 20: 645–669 doi 10.1002/oa.1088.*
- Liu, W., Jin, C.Z., Zhang, Y.Q., Cai, Y.J., Xing, S., Wu, X.J., Cheng, H., Edwards, R.L., Pan, W.S., Qin, D.G., An, Z.S., Trinkaus, E. & Wu, X.Z. (2010) Human remains from Zhirendong, south China, and modern human emergence in east Asia. *Proceedings of the National Academy of Sciences USA* 107 (45): 19201-19206. doi 10.1073/pnas.1014386107.
- Trinkaus, E. (2010) Denisova Cave, Peștera cu Oase, and human divergence in the Late Pleistocene. *PaleoAnthropology* 2010: 196-200. doi 10.4207/PA.2010.ART39.*
- Stiller, M., Baryshnikov, G., Bocherens, H., Grandal, A., Hilpert, B., Münzel, S.C., Pinhasi, R., Rabeder, G., Rosendahl, W., Trinkaus, E., Hofreiter, M., Knapp, M. (2010) Withering away – 25,000 years of genetic decline preceded cave bear extinction. *Molecular Biology and Evolution* 27: 975-978. doi 10.1093/molbev/msq083.*
- Walker, M.J., Lombardi, A.V., Zapata, J., Trinkaus, E. (2010). Neandertal mandibles from the Sima de la Palomas del Cabezo Gordo, Murcia, southeastern Spain. *American Journal of Physical Anthropology* 142: 261-272. doi 10.1002/ajpa.21223.*
- Bayle, P., Macchiarelli, R., Trinkaus, E., Duarte, C., Mazurier, A. and Zilhão J. (2010) Dental maturational sequence and dental tissue proportions in the early Upper Paleolithic child from Abrigo do Lagar Velho, Portugal. *Proceedings of the National Academy of Sciences USA* 107: 1338–1342. doi 10.1073/pnas.0914202107.
- Streeter, M., Stout, S., Trinkaus, E., Burr, D. (2010) Bone remodeling rates in Pleistocene humans are not slower than the rates observed in modern populations: A reexamination of Abbott et al. (1996). *American Journal of Physical Anthropology* 141, 315-318. doi 10.1002/ajpa.21192.*
- Trinkaus, E., Pinilla, B. (2009) Dental caries in the Qafzeh 3 Middle Paleolithic modern human. *Paléorient* 35: 69-76.*
- Trinkaus, E., Soficaru, A., Doboş, A., Constantin, S., Zilhão, J., Richards, M. (2009) Stable isotope evidence for early modern human diet in southeastern Europe: Peștera cu Oase, Peștera Muierii and Peștera Cioclovina Uscată. *Materiale și Cercetări Arheologice* 5: 4-14.
- Doboş, A., Soficaru, A., Popescu, A., & Trinkaus, E. (2009) Radiocarbon dating and faunal stable isotopes for the Galeria Principală, Peștera Muierii, Baia de Fier, Gorj County, Romania. *Materiale și Cercetări Arheologice* 5: 15-20.
- Mashkour, M., Monchot, H., Trinkaus, E., Reyss, J.L., Biglari, F., Bailon, S., Heydari, S. & Abdi, K. (2009) Carnivores and their prey in the Wezmeh Cave, (Kermanshah, Iran): A Late Pleistocene refuge in the Zagros. *International Journal of Osteoarchaeology* 19: 678-694 doi 10.1002/oa.997.*
- Richards, M.P., Trinkaus, E. (2009) Isotopic evidence for the diets of European Neandertals and early modern humans. *Proceedings of the National Academy of Sciences USA* 106, 16034-16039.*
- Hu Y, Shang H, Tong H, Nehlich O, Liu W, Zhao C, Zhang S, Chen F, Ma X, Wang C, Trinkaus E, Richards MP. 2009. Stable isotope dietary analysis of the Tianyuan 1 early modern human. *Proceedings of the National Academy of Sciences USA* 106, 10971–10974.

- Trinkaus, E. (2009) The human tibia from Broken Hill, Kabwe, Zambia. *PaleoAnthropology* 2009, 145-165. doi _10.1073_pnas.0903821106.*
- Trinkaus, E. (2008) Kiik-Koba 2 and Neandertal axillary border ontogeny. *Anthropological Science* 116, 231-236. doi 10.1537/ase.071221.*
- Walker, M.J., Gibert, J., López, M.V., Lombardi, A.V., Pérez-Pérez, A., Zapata, J., Ortega, J., Higham, T., Pike, A., Schwenninger, J.L., Zilhão, J., & Trinkaus, E. (2008) Late Neandertals in southeastern Iberia: Sima de las Palomas del Cabezo Gordo, Murcia, Spain. *Proceedings of the National Academy of Sciences USA* 105, 20631-20636. doi 10.1073/pnas.0811213106.
- Trinkaus, E. (2008) Behavioral implications of the Muierii 1 early modern human scapula. *Annuaire Roumain d'Anthropologie* 45, 27-41.†
- Shang H., Trinkaus, E., Liu W., Wu X. & Zhu Q. (2008) Neurocranial abnormalities of the Gongwangling *Homo erectus* from Lantian, China. *Journal of Archaeological Science* 35, 2589–2593. doi 10.1016/j.jas.2008.04.012.*
- Trinkaus, E., Maley, B. & Buzhilova, A.P. (2008) Paleopathology of the Kiik-Koba 1 Neandertal. *American Journal of Physical Anthropology* 137:106–112. DOI 10.1002/ajpa.20833.*
- Trinkaus, E. & Shang, H. (2008) Anatomical evidence for the antiquity of human footwear: Tianyuan and Sunghir. *Journal of Archaeological Science* 35, 1928-1933. doi 10.1016/j.jas.2007.12.002.*
- Trinkaus, E., Biglari, F., Mashkour, M., Monchot, H., Reyss, J.L., Rougier, H., Heydari, S. & Abdi, K. (2008) Late Pleistocene human remains from Wezmeh Cave, western Iran. *American Journal of Physical Anthropology* 135, 371-378. doi 10.1002/ajpa.20753.*
- Shang, H. & Trinkaus, E. (2008) An ectocranial lesion on the Middle Pleistocene human cranium from Hulu Cave, Nanjing, China. *American Journal of Physical Anthropology* 135, 431-437. doi 10.1002/ajpa.20763.*
- Richards, M.P., Pacher, M., Stiller, M., Quilès, J., Hofreiter, M., Constantin, S., Zilhão, J. & Trinkaus, E. (2008) Isotopic evidence for omnivory among European cave bears: Late Pleistocene *Ursus spelaeus* from the Peștera cu Oase, Romania. *Proceedings of the National Academy of Sciences USA* 105, 600-604. doi 10.1073/pnas.0711063105.
- Zilhão, J., Trinkaus, E., Constantin, S., Milota, Š., Gherase, M., Sarcină, L., Danciu, A., Rougier, H., Quilès, J. & Rodrigo, R. (2007) The Peștera cu Oase people, Europe's earliest modern humans. In (P. Mellars, K. Boyle, O. Bar-Yosef & C. Stringer, eds.) *Rethinking the Human Revolution: New Behavioural & Biological Perspectives on the Origins and Dispersal of Modern Humans*. Cambridge UK: McDonald Institute of Archaeology Monographs pp. 249-262.‡
- Trinkaus, E. (2007) Activité, stress et survie chez les Néandertaliens. In: B. Vandermeersch & B. Maureille (eds.) *Les Néandertaliens: Biologie et Cultures*. Paris: Comité des Travaux Historiques et Scientifiques. (Documents préhistoriques). pp. 131-137.†
- Trinkaus, E., Maki, J. & Zilhão, J. (2007) Middle Paleolithic human remains from the Gruta da Oliveira (Torres Novas), Portugal. *American Journal of Physical Anthropology* 134, 263-273. DOI 10.1002/ajpa.20669.*
- Cowgill, L.W., Trinkaus, E. & Zeder, M.A. (2007) Shanidar 10: A Middle Paleolithic immature distal lower limb from Shanidar Cave, Iraqi Kurdistan. *Journal of Human Evolution* 53, 213-223. doi 10.1016/j.jhevol.2007.04.003.*

- Trinkaus, E. & Zilhão, J. (2007) Oase Cave: The discovery of Europe's oldest modern humans. *Current World Archaeology* 24, 32-41.
- Soficaru, A., Petrea, C., Doboş, A. and Trinkaus, E. (2007) The human cranium from the Peştera Cioclovina Uscată, Romania: Context, age, taphonomy, morphology and paleopathology. *Current Anthropology* 48, 611-619.*
- Trinkaus, E. (2007) European early modern humans and the fate of the Neandertals. *Proceedings of the National Academy of Sciences USA* 104, 7367-7372. doi 10.1073/pnas.0702214104.
- Shang, H., Tong, H., Zhang, S., Chen, F. & Trinkaus, E. (2007) An early modern human from Tianyuan Cave, Zhoukoudian, China. *Proceedings of the National Academy of Sciences USA* 104, 6573-6578. doi 10.1073/pnas.0702169104.
- Rougier, H., Milota, Ş., Rodrigo, R., Gherase, M., Sarcină, L., Moldovan, O., Zilhão, J., Constantin, S., Franciscus, R.G., Zollikofer, C.P.E., Ponce-de-León, M. & Trinkaus, E. (2007) Peştera cu Oase 2 and the cranial morphology of early modern Europeans. *Proceedings of the National Academy of Sciences USA* 104, 1164-1170. doi 10.1073/pnas.0610538104.
- Trinkaus, E. (2006) The purported human femur from Tamtama Cave, Iran. *Bastanshenasi* 2, 11-12.
- Trinkaus, E. & Biglari, F. (2006) Middle Paleolithic human remains from Bisitun Cave, Iran. *Paléorient* 32, 105-111.*
- Quilès, J., Petrea, C., Moldovan, O., Zilhão, J., Rodrigo, R., Rougier, H., Constantin, S., Milota, Ş., Gherase, M., Sarcină, L. and Trinkaus, E. (2006) Cave bears (*Ursus spelaeus*) from the Peştera cu Oase (Banat, Romania): Paleobiology and taphonomy. *Comptes rendus Palévol* 5, 927-934. doi 10.1016/j.crpv.2006.09.005.*
- Beauval, C., Lacrampe-Cuyaubère, F., Maureille, B. & Trinkaus, E. (2006) Direct radiocarbon dating and stable isotopes of the Neandertal femur from Les Rochers-de-Villeneuve (Lussac-les-Châteaux, Vienne) [Datation absolue (^{14}C) et isotopes stables du fémur Néandertalien des Rochers-de Villeneuve (Lussac-les-Châteaux, Vienne)] *Bulletins et Mémoires de la Société d'Anthropologie de Paris* 18, 35-42.*
- Soficaru, A., Doboş, A. & Trinkaus, E. (2006) Early modern humans from the Peştera Muierii, Baia de Fier, Romania. *Proceedings of the National Academy of Sciences USA* 103, 17196-17201. doi 10.1073/pnas.0608443103.
- Trinkaus, E., Smith, F.H., Stockton, T.C. & Shackelford, L.L. (2006). The human postcranial remains from Mladeč. In (M. Teschler-Nicola, Ed.) *Early Modern Humans at the Moravian Gate: The Mladeč Caves and their Remains*. Vienna: Springer Verlag. pp. 385-445.
- Wolpoff, M.H., Frayer, D.W., Trinkaus, E. & Teschler-Nicola, M. (2006) Inventory and photo-documentation of the Mladeč hominid remains. In (M. Teschler-Nicola, Ed.) *Early Modern Humans at the Moravian Gate: The Mladeč Caves and their Remains*. Vienna: Springer Verlag pp. 159-184.
- Trinkaus, E. (2006) Modern human versus Neandertal evolutionary distinctiveness. *Current Anthropology* 47(4), 597-620.*
- Trinkaus, E. (2006) The Krapina scapulae. *Periodicum Biologorum* 108(3). 341-351.†
- Trinkaus, E. (2006) Late Neandertals & early modern humans: Biology, behavior and population dynamics. In: W. von Koenigswald & T. Litt (Eds.) *150 Years of Neanderthal Discoveries. Early Europeans – Continuity & Discontinuity*. *Terra Nostra*. 2, 74-77.‡

- Trinkaus, E. (2006) The antiquity of human disability. In (G.L. Albrecht, J. Bickenbach, D.T. Mitchell, W.O. Schalick & S.L. Snyder, Eds.) *The Encyclopedia of Disability*. London: Sage Press 2, 873-875.†
- Trinkaus, E., Zilhão, J., Rougier, H., Rodrigo, R., Milota, Š., Gherase, M., Sarcina, L., Moldovan, O., Băltean, I.C., Codrea, V., Bailey, S.E., Franciscus, R.G., Ponce de León, M. & Zollikofer, C.P.E. (2006) The Peștera cu Oase and early modern humans in southeastern Europe. In (N.J. Conard, Ed.) *When Neanderthals and Modern Humans Met* Tübingen: Kerns Verlag. pp. 145-164.‡
- Trinkaus, E. (2006) Néandertal – Société : Un compagnon secourable. *Les Dossiers de la Recherche* 24, 72-75.†
- Ruff, C.B., Holt, B. & Trinkaus, E. (2006) Who's afraid of the big bad Wolff? "Wolff's Law" and bone functional adaptation. *American Journal of Physical Anthropology* 129, 484-498. doi 10.1002/ajpa.20371.*
- Higham, T., Ramsey, C.B., Karavanić, I., Smith, F.H. & Trinkaus, E. (2006) Revised direct radiocarbon dating of the Vindija G₁ Upper Paleolithic Neandertals. *Proceedings of the National Academy of Sciences USA* 103, 553-557. doi 10.1073/pnas.051000510
- Hillson, S.W., Franciscus, R.G., Holliday, T.W. & Trinkaus, E. (2006) The ages-at-death. In (E. Trinkaus & J.A. Svoboda, Eds.) *Early Modern Human Evolution in Central Europe: The People of Dolní Věstonice and Pavlov*. New York: Oxford University Press, pp. 31-45.
- Bružek, J., Franciscus, R.G. Novotný, V. & Trinkaus, E. (2006) The assessment of sex. In (E. Trinkaus & J.A. Svoboda, Eds.) *Early Modern Human Evolution in Central Europe: The People of Dolní Věstonice and Pavlov*. New York: Oxford University Press, pp. 46-62.
- Lisoněk, P. & Trinkaus, E. (2006) The auditory ossicles. In (E. Trinkaus & J.A. Svoboda, Eds.) *Early Modern Human Evolution in Central Europe: The People of Dolní Věstonice and Pavlov*. New York: Oxford University Press, pp. 153-155.
- Franciscus, R.G., Vlček, E. & Trinkaus, E. (2006) The mandibular remains. In (E. Trinkaus & J.A. Svoboda, Eds.) *Early Modern Human Evolution in Central Europe: The People of Dolní Věstonice and Pavlov*. New York: Oxford University Press, pp. 156-178.
- Trinkaus, E. (2006) Body length and body mass. In (E. Trinkaus & J.A. Svoboda, Eds.) *Early Modern Human Evolution in Central Europe: The People of Dolní Věstonice and Pavlov*. New York: Oxford University Press, pp. 233-241.
- Trinkaus, E. (2006) The upper limb remains. In (E. Trinkaus & J.A. Svoboda, Eds.) *Early Modern Human Evolution in Central Europe: The People of Dolní Věstonice and Pavlov*. New York: Oxford University Press, pp. 327-372.
- Trinkaus, E. The pelvic remains. In (E. Trinkaus & J.A. Svoboda, Eds.) *Early Modern Human Evolution in Central Europe: The People of Dolní Věstonice and Pavlov*. New York: Oxford University Press, pp. 373-379.
- Trinkaus, E. (2006) The lower limb remains. In (E. Trinkaus & J.A. Svoboda, Eds.) *Early Modern Human Evolution in Central Europe: The People of Dolní Věstonice and Pavlov*. New York: Oxford University Press, pp. 380-418.
- Trinkaus, E., Hillson, S.W., Franciscus, R.G. & Holliday, T.W. (2006) Skeletal and dental paleopathology. In (E. Trinkaus & J.A. Svoboda, Eds.) *Early Modern Human Evolution in Central Europe: The People of Dolní Věstonice and Pavlov*. New York: Oxford University Press, pp. 419-458.

- Trinkaus, E., Băltean, I.C., Constantin, S., Gherase, M., Horoi, V., Milota, ř., Moldovan, O., Petrea, C., Quiles, J., Rodrigo, R., Rougier, H., Sarcina, L., Soficaru, A. & Zilhão, J. (2005) Asupra oamenilor moderni timpurii din Banat: Peștera cu Oase. *Banatica* 17, 9-27.
- Trinkaus, E. (2005) Anatomical evidence for the antiquity of human footwear use. *Journal of Archaeological Science* 32, 1515-1526. doi 10.1016/j.jas.2005.04.006.*
- Trinkaus, E. (2005) Early modern humans. *Annual Review of Anthropology* 34, 207-230. doi 10.1146/annurev.anthro.34.030905.154913†
- Trinkaus, E. (2005) The adiposity paradox in the middle Danubian Gravettian. *Anthropologie (Brno)* 43, 263-271.†
- Wild, E.M., Teschler-Nicola, M., Kutschera, W., Steier, P., Trinkaus, E. & Wanek, W. (2005) First direct dating of Early Upper Paleolithic human remains from Mladeč. *Nature* 435, 332-335. doi 10.1038/nature03585.*
- Beauval, C., Maureille, B., Lacrampe-Cuyaubère, F., Serre, D., Peressinotto, D., Bordes, J.G., Cochard, D., Couchoud, I., Dubrasquet, D., Laroulandie, V., Lenoble, A., Mallye, J.B., Pasty, S., Primault, J., Rohland, N., Pääbo, S. & Trinkaus, E. (2005) A late Neandertal femur from Les Rochers-de-Villeneuve, France. *Proceedings of the National Academy of Sciences USA* 102, 7085-7090. doi 10.1073/pnas.0502656102.
- Schulting, R.J., Trinkaus, E., Higham, T., Hedges, R., Richards, M. & Cardy, B. (2005) A Mid-Upper Palaeolithic human humerus from Eel Point, South Wales, UK. *Journal of Human Evolution* 48, 493-505. doi 10.1016/j.jhevol.2005.02.001.*
- Nielsen-Marsh, C.M., Richards, M.P., Hauschka, P.V., Thomas-Oates, J.E., Trinkaus, E., Pettitt, P.B., Karavanić, I., Poinar, H., & Collins, M.J. (2005) Osteocalcin protein sequences of Neanderthals and modern primates. *Proceedings of the National Academy of Sciences USA* 102, 4409-4413. doi 10.1073/pnas.0500450102.
- Trinkaus, E. (2004) Dental crown dimensions of Middle and Late Pleistocene European humans. In: S. Rubio (Ed.) *Miscalánea en Homenaje a Emiliano Aguirre*. Alcalá de Henares: Museo Arqueológico Regional pp.393-398.†
- Trinkaus, E. (2004) La diaphyse fémorale humaine II: étude biométrique comparée. In: C. Beauval & F. Lacrampe-Cuyaubere (Eds.) *Les Rochers de Villeneuve, Lussac-les-Châteaux – Vienne. Documentation Final de Synthèse*. Talence: Université de Bordeaux 1. pp.94-96.
- Crevecoeur, I. & Trinkaus, E. (2004) From the Nile to the Danube: A comparison of the Nazlet Khater 2 and Oase 1 early modern human mandibles. *Anthropologie (Brno)* 42, 229-239.†
- Trinkaus, E., Rougier, H. & Moldovan, O. (2004) Les fossiles de Peștera cu Oase, Roumanie. *Encyclopaedia Universalis: Universalis 2003*. pp. 283-284.
- Trinkaus, E. (2004) Eyasi 1 and the suprainiac fossa. *American Journal of Physical Anthropology* 124, 28-32. doi 10.1002/ajpa.10336.*
- Rosendahl, W., Maureille, B. & Trinkaus, E. (2003) Rediscovery of the Badegoule 5 human skeletal remains (Badegoule, Le Lardin-Saint-Lazare, Dordogne, France). *Paléo* 15, 273-278.*
- Moldovan, O., Milota, ř., Sarcina, L., Trinkaus, E., Băltean, I., Soficaru, A. & Rajka, G. (2003). The oldest modern humans in Europe. *Theoretical and Applied Karstology* 16, 77-81.

- Trinkaus, E. (2003) Biomechanical analysis of the Krapina archaic *Homo* humeral, femoral and tibial diaphyses. In: L. Fiedler, W.D. Heinrich, A. Justus & E. Brühl (eds.) *Erkenntnisjäger. Kultur und Umwelt des frühen Menschen (Festschrift für Dietrich Mania)*. Veröffentlichungen des Landesamtes für Archäologie Sachsen-Anhalt – Landesmuseum für Vorgeschichte 57, 607-614.†
- Trinkaus, E., Milota, Ş., Rodrigo, R., Gherase, M. & Moldovan, O. (2003) Early modern human cranial remains from the Peștera cu Oase, Romania. *Journal of Human Evolution* 45, 245-253. doi 10.1016/j.jhevol.2003.08.003.*
- Trinkaus, E., Moldovan, O., Milota, Ş., Bîlgăr, A., Sarcina, L., Athreya, S., Bailey, S.E., Rodrigo, R., Gherase, M., Higham, T., Ramsey, C.B. & van der Plicht, J. (2003) An early modern human from the Peștera cu Oase, Romania. *Proceedings of the National Academy of Sciences USA* 100, 11231-11236. doi 10.1073/pnas.2035108100.
- Trinkaus, E., Marks, A.E., Brugal, J.P., Bailey, S.E., Rink, W.J. & Richter, D. (2003) Later Middle Pleistocene human remains from the Almonda karstic system, Torres Novas, Portugal. *Journal of Human Evolution* 45, 219-226. doi 10.1016/j.jhevol.2003.07.001.*
- Trinkaus, E. (2003) Neandertal faces were not long; modern human faces are short. *Proceedings of the National Academy of Sciences (USA)* 100, 8142-8145. doi 10.1073/pnas.1433023100.
- Trinkaus, E. (2003) Gough's Cave 1 (Somerset, England): a study of the pelvis and lower limbs. *Bulletin of the Natural History Museum of London (Geology)*. 58 (suppl.), 1-21.
- Trinkaus, E., Humphrey, L., Stringer, C., Churchill, S.E. & Tague, R.G. (2003) Gough's Cave 1 (Somerset, England): an assessment of the sex and age at death. *Bulletin of the Natural History Museum of London (Geology)*. 58 (suppl.), 45-50.
- Trinkaus, E., Churchill, S.E., Holt, B. & Ruff, C.B. (2003) Patterns of diaphyseal cross-sectional geometry between central and western European Early / Middle Upper Palaeolithic humans. In: J. Brůžek, B. Vandermeersch & M.D. Garralda, Eds., *Changements Biologiques et Culturels en Europe de la Fin du Paléolithique Moyen au Néolithique*. Talence: Laboratoire d'Anthropologie des Populations du Passé, Université de Bordeaux 1. pp.75-86.‡
- Zilhão, J. & Trinkaus, E. (2002) Anatomie, contexte archéologique et sépulture de l'enfant gravettiens de l'abri de Lagar Velho (Lapedo, Leiria, Portugal). *Praehistoria* 3, 131-145.
- Sládek, V., Trinkaus, E., Šefčáková, A. & Halouzka, R. (2002) Morphological affinities of the Šaľa 1 frontal bone. *Journal of Human Evolution*. 43, 787-815. doi 10.1053/jhev.2002.0606.*
- Shackelford, L.L. & Trinkaus, E. (2002) Late Pleistocene human femoral diaphyseal curvature. *American Journal of Physical Anthropology* 118, 359-370. doi 10.1002/ajpa.10093.*
- Dobson, S.D. & Trinkaus, E. (2002) Cross-sectional geometry and morphology of the mandibular symphysis in Middle and Late Pleistocene *Homo*. *Journal of Human Evolution* 43, 67-87. doi 10.1006/jhev.2002.0563.*
- Lebel, S. & Trinkaus, E. (2002) Middle Pleistocene human remains from the Bau de l'Aubesier. *Journal of Human Evolution* 43, 659-685. doi 10.1006/jhev.2002.0598.*
- Duarte, C., Hillson, S.W., Holliday, T.W. & Trinkaus, E. (2002) The Lagar Velho 1 human skeletal inventory. In (J. Zilhão & E. Trinkaus, Eds. *Portrait of the Artist as a Child. The*

- Gravettian Human Skeleton from the Abrigo do Lagar Velho and its Archeological Context. Trabalhos de Arqueologia* 22, 221-241.
- Trinkaus, E., Holliday, T.W. & Brůžek J. (2002) The skeletal age-at-death. In (J. Zilhão & E. Trinkaus, Eds. *Portrait of the Artist as a Child. The Gravettian Human Skeleton from the Abrigo do Lagar Velho and its Archeological Context. Trabalhos de Arqueologia* 22, 246-251.
- Trinkaus, E. (2002) The cranial morphology. In (J. Zilhão & E. Trinkaus, Eds. *Portrait of the Artist as a Child. The Gravettian Human Skeleton from the Abrigo do Lagar Velho and its Archeological Context. Trabalhos de Arqueologia* 22, 256-286.
- Trinkaus, E. (2002) The mandibular morphology. In (J. Zilhão & E. Trinkaus, Eds. *Portrait of the Artist as a Child. The Gravettian Human Skeleton from the Abrigo do Lagar Velho and its Archeological Context. Trabalhos de Arqueologia* 22, 312-325.
- Hillson, S.W. & Trinkaus, E. (2002) Comparative dental crown metrics. In (J. Zilhão & E. Trinkaus, Eds. *Portrait of the Artist as a Child. The Gravettian Human Skeleton from the Abrigo do Lagar Velho and its Archeological Context. Trabalhos de Arqueologia* 22, 356-364.
- Ruff, C.B., Trinkaus, E. & Holliday, T.W. (2002) Body proportions and size. In (J. Zilhão & E. Trinkaus, Eds. *Portrait of the Artist as a Child. The Gravettian Human Skeleton from the Abrigo do Lagar Velho and its Archeological Context. Trabalhos de Arqueologia* 22, 365-391.
- Brůžek, J. & Trinkaus, E. (2002) The pelvic morphology. In (J. Zilhão & E. Trinkaus, Eds. *Portrait of the Artist as a Child. The Gravettian Human Skeleton from the Abrigo do Lagar Velho and its Archeological Context. Trabalhos de Arqueologia* 22, 427-434.
- Trinkaus, E., Ruff, C.B., Esteves, F., Santos Coelho, J.M., Silva, M. & Mendonça, M. (2002) The lower limb remains. In (J. Zilhão & E. Trinkaus, Eds. *Portrait of the Artist as a Child. The Gravettian Human Skeleton from the Abrigo do Lagar Velho and its Archeological Context. Trabalhos de Arqueologia* 22, 435-465.
- Trinkaus, E., Ruff, C.B., Esteves, F., Santos Coelho, J.M., Silva, M. & Mendonça, M. (2002) The upper limb remains. In (J. Zilhão & E. Trinkaus, Eds. *Portrait of the Artist as a Child. The Gravettian Human Skeleton from the Abrigo do Lagar Velho and its Archeological Context. Trabalhos de Arqueologia* 22, 466-488.
- Trinkaus, E., Hillson, S.W. & Santos Coelho, J.M. (2002) Paleopathology. In (J. Zilhão & E. Trinkaus, Eds. *Portrait of the Artist as a Child. The Gravettian Human Skeleton from the Abrigo do Lagar Velho and its Archeological Context. Trabalhos de Arqueologia* 22, 489-495.
- Trinkaus, E. & Zilhão, J. (2002) Phylogenetic implications. In (J. Zilhão & E. Trinkaus, Eds. *Portrait of the Artist as a Child. The Gravettian Human Skeleton from the Abrigo do Lagar Velho and its Archeological Context. Trabalhos de Arqueologia* 22, 497-518.
- Zilhão, J. & Trinkaus, E. (2002) Social implications. In (J. Zilhão & E. Trinkaus, Eds. *Portrait of the Artist as a Child. The Gravettian Human Skeleton from the Abrigo do Lagar Velho and its Archeological Context. Trabalhos de Arqueologia* 22, 519-541.
- Zilhão, J. & Trinkaus, E. (2002) Historical implications. In (J. Zilhão & E. Trinkaus, Eds. *Portrait of the Artist as a Child. The Gravettian Human Skeleton from the Abrigo do Lagar Velho and its Archeological Context. Trabalhos de Arqueologia* 22, 542-558.

- Lebel, S. & Trinkaus, E. (2001) New discoveries of Middle Paleolithic human remains from the "Bau de l'Aubesier, Vaucluse, France (Nouvelles découvertes de restes humains du Paléolithique moyen du Bau de l'Aubesier (Vaucluse, France). *Bulletins et Mémoires de la Société d'Anthropologie de Paris* ns13, 15-21.*
- Lebel, S., Trinkaus, E., Faure, M., Fernandez, P., Guérin, C., Richter, D., Mercier, N., Valladas, H. & Wagner, G.A. (2001) Comparative morphology and paleobiology of Middle Pleistocene human remains from the Bau de l'Aubesier, Vaucluse, France. *Proceedings of the National Academy of Sciences USA* . 98, 11097-11102. doi 10.1073/pnas.181353998.
- Streeter, M., Stout, S.D., Trinkaus, E., Stringer, C.B., Roberts, M.B. & Parfitt, S.A. (2001) Histomorphometric age assessment of the Boxgrove 1 tibial diaphysis. *Journal of Human Evolution* 40, 331-338. doi 10.1006/jhev.2001.0460.*
- Lebel, S. & Trinkaus, E. (2001) A carious Neandertal molar from the Bau de l'Aubesier, Vaucluse, France. *Journal of Archaeological Science* 28, 555-557. doi 10.1006/jasc.2001.0689.*
- Trinkaus, E., Formicola, V., Svoboda, J., Hillson, S.W., & Holliday, T.W. (2001) Dolní Věstonice 15: Pathology and persistence in the Pavlovian. *Journal of Archaeological Science* 28, 1291-1308. doi 10.1006/jasc.2001.0678.*
- Mednikova, M. & Trinkaus, E. (2001) Femoral midshaft diaphyseal cross-sectional geometry of the Sunghir 1 and 4 Gravettian human remains. *Anthropologie (Brno)*. 39, 135-141.
- Trinkaus, E., Bailey, S.E. & Zilhão, J. (2001) Upper Paleolithic human remains from the Gruta do Caldeirão, Tomar, Portugal. *Revista Portuguesa de Arquelogia* 4(2), 5-17.
- Teschler-Nicola, M. & Trinkaus, E. (2001) Human remains from the Austrian Gravettian: The Willendorf femoral diaphysis and mandibular symphysis. *Journal of Human Evolution* 40, 451-465. doi 10.1006/jhev.2001.0470.*
- Trinkaus, E. (2001) Gough's Cave 1 (Somerset, England): a study of the hand bones. *Bulletin of the Natural History Museum of London (Geology)* 57, 25-28.
- Richards, M.P., Pettitt, P.B., Stiner, M.C. & Trinkaus, E. (2001) Stable isotope evidence for increasing dietary breadth in the European mid-Upper Paleolithic. *Proceedings of the National Academy of Science (USA)* 98, 6528-6532. doi 10.1073/pnas.111155298
- Trinkaus, E. (2001) Paleobiological perspectives on the early Upper Paleolithic human transition in the northwestern Old World. *Bulletins et Mémoires de la Société d'Anthropologie de Paris* ns13, 311-322.†
- Trinkaus, E., Zilhão, J. & Duarte, C. (2001) O menino do Lapedo: Lagar Velho 1 and perceptions of the Neandertals. *Archaeological Dialogues* 8, 49-69.‡
- Weaver, A.H., Holliday, T.W., Ruff, C.B. & Trinkaus, E. (2001) The fossil evidence for the evolution of human intelligences in Pleistocene *Homo*. In: A. Nowell (ed.) *In the Mind's Eye: Multidisciplinary Perspectives on the Evolution of Human Cognition*. Ann Arbor: International Monographs in Prehistory Archaeological Series 13, 154-172.‡
- Trinkaus, E. (2001) Die ungewöhnlich frühen modernen Menschen im Nahen Oste (The anomalous early modern humans in the Near East). *Archäologie Online* http://www.archaeologie-online.de/magazin/thema/2001/06/d_1.php †
- Trinkaus, E. & Duarte, C. (2000) The hybrid child from Portugal. *Scientific American* 282(4), 102-103.
- Trinkaus, E. (2000) The "Robusticity Transition" revisited. In: Stringer, C., Barton, R.N.E. & Finlayson, C. (eds) *Neanderthals on the Edge*. Oxford: Oxbow Books, pp.227-236.‡

- Trinkaus, E. & Pettitt, P.B. (2000) The Krems-Hundssteig “Gravettian” human remains are Holocene (Die menschlichen “Gravettien”-Skelettreste von Krems-Hundssteig sind holozän). *Homo* 51, 258-260.*
- Pettitt, P.B. & Trinkaus, E. (2000) Direct radiocarbon dating of the Brno 2 Gravettian human remains. *Anthropologie (Brno)* 38, 149-150.
- Richards, M.P., Pettitt, P.B., Trinkaus, E., Smith, F.H., Paunović, M., & Karavanić, I. (2000) Neanderthal diet at Vindija and Neanderthal predation: The evidence from stable isotopes. *Proceedings of the National Academy of Science (USA)*. 97, 7663-7666. doi 10.1073/pnas.120178997.
- Trinkaus, E., Svoboda, J., West, D.L., Sládek, V., Hillson, S.W., Drozdová, E. & Fišáková, M. (2000). Human remains from the Moravian Gravettian: Morphology and taphonomy of isolated elements from the Dolní Věstonice II site. *Journal of Archaeological Science* 27, 1115-1132. doi 10.1006/jasc.1999.0501.*
- Trinkaus, E. (2000) The human remains from Paviland Cave: Late Pleistocene and Holocene human remains from Paviland Cave. In: S.H.R. Aldhouse-Green (ed.) *Paviland Cave and the ‘Red Lady’: A Definitive Report*. Bristol: Western Academic and Specialist Press Ltd. pp. 141-199.
- Trinkaus, E. (2000) The Creswellian (Pleistocene) human lower limb remains from Gough’s Cave (Somerset, England). *Bulletin of the Natural History Museum of London (Geology)* 56, 155-161.
- Trinkaus, E., Smith, R.J. & Lebel, S. (2000) Dental caries in the Aubesier 5 Neandertal primary molar. *Journal of Archaeological Science* 27, 1017-1021. doi 10.1006/jasc.1999.0512.*
- Trinkaus, E. (2000) Human patellar articular proportions: recent and Pleistocene patterns. *Journal of Anatomy (London)* 196, 473-483.*
- Trinkaus, E., Lebel, S. & Bailey, S.E. (2000) Middle Paleolithic and recent human dental remains from the Bau de l’Aubesier, Monieux (Vaucluse). *Bulletins et Mémoires de la Société d’Anthropologie de Paris* ns12, 207-226.*
- Chech, M., Groves, C.P., Thorne, A. & Trinkaus, E. (2000) A new reconstruction of the Shanidar 5 cranium. *Paléorient* 25, 143-146.*
- Trinkaus, E., Ranov, V. & Lauklin, S. (2000) Middle Paleolithic human deciduous incisor from Khudji, Tajikistan. *Journal of Human Evolution* 38, 575-583. doi 10.1006/jhev.1999.0370.*
- Stringer, C.B. & Trinkaus, E. (1999) The human tibia from Boxgrove. In: M.B. Roberts & S.A. Parfitt (eds). *Boxgrove: a Middle Pleistocene Hominid Site at Eartham Quarry, Boxgrove, West Sussex*. English Heritage Archaeological Report 17. London: English Heritage. pp.420-422.
- Trinkaus, E. & Rhoads, M.L. (1999) Neandertal knees: power lifters in the Pleistocene? *Journal of Human Evolution* 37, 833-859. doi 10.1006/jhev.1999.0317.*
- Trinkaus, E., Ruff, C.B. & Conroy, G.C. (1999) The anomalous archaic *Homo* femur from Berg Aukas, Namibia: A biomechanical assessment. *American Journal of Physical Anthropology* 110, 379-391.*
- Trinkaus, E., Zilhão, J. & Duarte, C. (1999) The Lapedo child: Lagar Velho 1 and our perceptions of the Neandertals. *Mediterranean Prehistory Online*. <http://www.med.abacoma.it/issue001/articles/doc/013.htm>.†

- Trinkaus, E. & Ruff, C.B. (1999) Diaphyseal cross-sectional geometry of Near Eastern Middle Paleolithic humans: The tibia. *Journal of Archaeological Science* 26, 1289-1300. doi 10.1006/jasc.1998.0361.*
- Trinkaus, E., Churchill, S.E., Ruff, C.B., & Vandermeersch, B. (1999) Long bone shaft robusticity and body proportions of the Saint-Césaire 1 Châtelperronian Neandertal. *Journal of Archaeological Science*. 26, 753-773. doi 10.1006/jasc.1998.0345.*
- Duarte, C., Maurício, J., Pettitt, P.B., Souto, P., Trinkaus, E., van der Plicht, H., & Zilhão, J. (1999) The early Upper Paleolithic human skeleton from the Abrigo do Lagar Velho (Portugal) and modern human emergence in Iberia. *Proceedings of the National Academy of Science (USA)*. 96, 7604-7609.
- Smith, F.H., Trinkaus, E., Pettitt, P.B., Karavanić, I & Paunović, M. (1999) Direct radiocarbon dates for Vindija G₁ and Velika Pećina Late Pleistocene hominid remains. *Proceedings of the National Academy of Science (USA)*. 96, 12281-12286.
- Trinkaus, E., Jelínek, J. & Pettitt, P.B. (1999) Human remains from the Moravian Gravettian: The Dolní Věstonice 35 femoral diaphysis. *Anthropologie (Brno)*. 37, 167-175.
- Trinkaus, E. & Ruff, C.B. (1999) Diaphyseal cross-sectional geometry of Near Eastern Middle Paleolithic humans: The femur. *Journal of Archaeological Science* 26, 409-424. doi 10.1006/jasc.1998.0343.*
- Trinkaus, E., Stringer, C.B., Ruff, C.B., Hennessy, R.J., Roberts, M.B. & Parfitt, S.A. (1999) Diaphyseal cross-sectional geometry of the Boxgrove 1 Middle Pleistocene human tibia. *Journal of Human Evolution*. 37, 1-25. doi 10.1006/jhev.1999.0295.*
- Trinkaus, E. & Churchill, S.E. (1999) Diaphyseal cross-sectional geometry of Near Eastern Middle Paleolithic humans: The humerus. *Journal of Archaeological Science* 26, 173-184. doi 10.1006/jasc.1998.0314*
- Trinkaus, E., Ruff, C.B., & Churchill, S.E. (1998) Upper limb versus lower limb loading patterns among Near Eastern Middle Paleolithic hominids. In: T. Akazawa, K. Aoki & O. Bar Yosef (eds.) *Neanderthals and Modern Humans in West Asia*. New York: Plenum Press. pp.391-404. ‡
- Anderson, J.Y. & Trinkaus, E. (1998) Patterns of sexual, bilateral and inter-populational variation in human femoral neck-shaft angles. *Journal of Anatomy (London)* 192, 279-285.*
- Stefan, V.H. & Trinkaus, E. (1998) La Quina 9 and Neandertal mandibular variability. *Bulletins et Mémoires de la Société d'Anthropologie de Paris*. ns10, 293-324.*
- Stringer, C.B., Trinkaus, E., Roberts, M.B., Parfitt, S.A., & Macphail, R.I. (1998) The Middle Pleistocene human tibia from Boxgrove. *Journal of Human Evolution* 34, 509-547.*
- Stefan, V.H. & Trinkaus, E. (1998) Discrete trait and dental morphometric affinities of the Tabun 2 mandible. *Journal of Human Evolution* 34, 443-468.*
- Trinkaus, E., Ruff, C.B., Churchill, S.E., & Vandermeersch, B. (1998) Locomotion and body proportions of the Saint-Césaire 1 Châtelperronian Neandertal. *Proceedings of the National Academy of Sciences USA*. 95, 5836-5840.
- Trinkaus, E. (1997) Appendicular robusticity and the paleobiology of modern human emergence. *Proceedings of the National Academy of Sciences USA*. 94, 13367-13373.†
- Dawson, J.E. & Trinkaus, E. (1997) Vertebral osteoarthritis of the La Chapelle-aux-Saints 1 Neandertal. *Journal of Archaeological Science*. 24, 1015-1021.*

- Fennell, K.J. & Trinkaus, E. (1997) Bilateral femoral and tibial periostitis in the La Ferrassie 1 Neandertal. *Journal of Archaeological Science*. 24, 985-995.*
- Niewoehner, W.A., Weaver, A.H., & Trinkaus, E. (1997) Neandertal capitate-metacarpal articular morphology. *American Journal of Physical Anthropology* 103, 219-233.*
- Ruff, C.B., Trinkaus, E. & Holliday, T.W. (1997) Body mass and encephalization in Pleistocene *Homo*. *Nature*. 387, 173-176.*
- Trinkaus, E. (1997) Cross-sectional geometry of the long bone diaphyses of Pavlov 1. In: J. Svoboda (ed.). *Pavlov I – Northwest. The Upper Paleolithic Burial and its Settlement Context*. Dolní Věstonice Studies 4. Brno: Akademie Ved České Republiky. pp. 155-166.†
- Trinkaus, E. & Jelínek, J. (1997) Human remains from the Moravian Gravettian: The Dolní Věstonice 3 postcrania. *Journal of Human Evolution* 33, 33-82.*
- Ungar, P.S., Fennell, K.J., Gordon, K. & Trinkaus, E. (1997) Neandertal incisor beveling. *Journal of Human Evolution* 32, 407-421.*
- Mallegni, F., & Trinkaus, E. (1997) A reconsideration of the Archi 1 Neandertal mandible. *Journal of Human Evolution* 33, 651-668.*
- Trinkaus, E., & Ruff, C.B. (1996) Early modern human remains from eastern Asia: the Yamashita-cho 1 immature postcrania. *Journal of Human Evolution* 30, 299-314.*
- Trinkaus, E. (1996) The humerus versus the femur: Changing patterns of diaphyseal robusticity across the late archaic to early modern human transition. *Anthropologie (Brno)*. 34, 239-247.†
- Trinkaus, E., & Hilton, C.E. (1996) Neandertal pedal proximal phalanges: diaphyseal loading patterns. *Journal of Human Evolution* 30, 399-425.*
- Abbott, S., Trinkaus, E., & Burr, D.B. (1996) Dynamic bone remodeling in later Pleistocene fossil hominids. *American Journal of Physical Anthropology* 99, 585-601.*
- Trinkaus, E. (1996) The *M. obturator internus* sulcus on Middle and Late Pleistocene human ischia. *American Journal of Physical Anthropology* 101, 503-513.*
- Churchill, S.E., Pearson, O.M., Grine, F.E., Trinkaus, E., & Holliday, T.W. (1996) Morphological affinities of the proximal ulna from Klasies River Mouth Main Site: Archaic or modern? *Journal of Human Evolution* 31, 213-237.*
- Trinkaus, E., Arter, D.D., & Franciscus, R.G. (1996) A reconstruction of the Shanidar 4 facial skeleton. *Paléorient* 21, 51-66.*
- Vandermeersch, B., & Trinkaus, E. (1995) The postcranial remains of the Régourdou 1 Neandertal: The shoulder and arm remains. *Journal of Human Evolution* 28, 439-476.*
- Trinkaus, E. (1995) Near Eastern late archaic humans. *Paléorient* 21, 9-23.†*
- Trinkaus, E. (1995) Brains and bodies: Mosaic trends in Middle Pleistocene archaic *Homo* morphology (Cerebros y cuerpos: Tendencias evolutivas en mosaico de la morfología del hombre arcaico durante el Pleistoceno Medio). In: J.M. Bermúdez de Castro, J.L. Arsuaga & E. Carbonell (eds.) *Evolución Humana en Europa y los Yacimientos de la Sierra de Atapuerca*. Valladolid: Consejería de Cultura y Turismo, Junta de Castilla y León. 1, 205-228.‡
- Trinkaus, E., & Smith, F.H. (1995) Body size of the Vindija Neandertals. *Journal of Human Evolution* 28, 201-208.*
- Trinkaus, E. (1995) Neanderthal mortality patterns. *Journal of Archaeological Science* 22, 121-142.*

- Franciscus, R.G., & Trinkaus, E. (1995) Determinants of retromolar space presence in Pleistocene *Homo* mandibles. *Journal of Human Evolution* 28, 577-595.*
- Berger, T.D., & Trinkaus, E. (1995) Patterns of trauma among the Neandertals. *Journal of Archaeological Science* 22, 841-852.*
- Tardieu, C., & Trinkaus, E. (1994) The early ontogeny of the human femoral bicondylar angle. *American Journal of Physical Anthropology* 95, 183-195.*
- Trinkaus, E. (1994) Le col du fémur: un indicateur social pour les anthropologues? *La Recherche*. 25(268), 950-951.†
- Ruff, C.B., Walker, A., & Trinkaus, E. (1994) Postcranial robusticity in *Homo*, III: Ontogeny. *American Journal of Physical Anthropology* 93, 35-54.*
- Trinkaus, E., Churchill, S.E., & Ruff, C.B. (1994) Postcranial robusticity in *Homo*, II: Humeral bilateral asymmetry and bone plasticity. *American Journal of Physical Anthropology* 93, 1-34.*
- Ruff, C.B., Trinkaus, E., Walker, A. & Larsen, C.S. (1993) Postcranial robusticity in *Homo*, I: Temporal trends and mechanical interpretations. *American Journal of Physical Anthropology* 91, 21-53.*
- Trinkaus, E. (1993) Femoral neck-shaft angles of the Qafzeh-Skhul early modern humans, and activity levels among immature Near Eastern Middle Paleolithic hominids. *Journal of Human Evolution* 25, 393-416.*
- Trinkaus, E. (1993) Variability in the position of the mandibular mental foramen and the identification of Neandertal apomorphies. *Rivista di Antropologia (Roma)* 71, 259-274.*
- Trinkaus, E., & Shipman, P. (1993) The Neandertals: Images of ourselves. *Evolutionary Anthropology* 1, 194-201.*†
- Trinkaus, E. (1993) A note on the KNM-ER 999 hominid femur. *Journal of Human Evolution* 24, 493-504.*
- Trinkaus, E. (1992) Cladistics and later Pleistocene human evolution. In: G. Bräuer & F.H. Smith (eds.), *Continuity or Replacement: Controversies in Homo sapiens Evolution*. Rotterdam: Balkema. pp. 1-7.†
- Crubézy, E., & Trinkaus, E. (1992) Shanidar 1: A case of hyperostotic disease (DISH) in the Middle Paleolithic. *American Journal of Physical Anthropology* 89, 411-420.*
- Trinkaus, E. (1992) Morphological contrasts between the Near Eastern Qafzeh-Skhul and late archaic human samples: Grounds for a behavioral difference? In: T. Akazawa, K. Aoki & T. Kimura (eds.), *The Evolution and Dispersal of Modern Humans in Asia*. Tokyo: Hokusen-Sha Pub. Co. pp. 277-294. ‡
- Trinkaus, E. (1992) Paleontological perspectives on Neandertal behavior. In: M. Toussaint (ed.) *5 Millions d'Années: L'Aventure Humaine. Études et Recherches Archéologiques de l'Université de Liège*. 56, 151-176. ‡
- Trinkaus, E., Churchill, S.E., Villemeur, I., Riley, K.G., Heller, J.A., & Ruff, C.B. (1991) Robusticity versus shape: the functional interpretation of Neandertal appendicular morphology. *Journal of the Anthropological Society of Nippon*. 99, 257-278. ‡
- Trinkaus, E., & Villemeur, I. (1991) Mechanical advantages of the Neandertal thumb in flexion: A test of an hypothesis. *American Journal of Physical Anthropology* 84, 249-260.*

- Trinkaus, E. (1991) Les hommes fossiles de la Grotte de Shanidar, Irak: Evolution et continuité parmi les hommes archaïques tardifs du Proche-Orient. *L'Anthropologie* 95, 535-572.†
- Smith, F.H., & Trinkaus, E. (1991) Les origines de l'homme moderne en Europe centrale: Un cas de continuité. In: J.J. Hublin & A.M. Tillier (eds.), *Aux Origines d'Homo sapiens. Nouvelle Encyclopédie Diderot*. Paris: Presses Universitaires de France. pp.251-290.†
- Trinkaus, E. (1991) Why bother with the Neandertals? In: A. Bietti & G. Manzi (eds.), *The Fossil Man of Monte Circeo: Fifty Years of Studies on the Neandertals in Latiun. Quaternaria Nova* 1, 639-651.‡
- Trinkaus, E. (1990) Cladistics and the hominid fossil record. *American Journal of Physical Anthropology*. 83, 1-11.*
- Trinkaus, E., & Long, J.C. (1990) Species attribution of the Swartkrans Member 1 first metacarpals: SK 84 and SKX 5020. *American Journal of Physical Anthropology*. 83, 419-424.*²
- Trinkaus, E., & Tompkins, R.L. (1990) The Neandertal life cycle: The possibility, probability, and perceptibility of contrasts with recent humans. In: C.J. DeRousseau (ed.), *Primate Life History and Evolution. Monographs in Primatology Vol. 14*. New York: Wiley-Liss. pp.153-180.‡
- Churchill, S.E., & Trinkaus, E. (1990) Neandertal scapular glenoid morphology. *American Journal of Physical Anthropology*. 83, 147-160.*
- Trinkaus, E. (1989) Neandertal upper limb morphology and manipulation. In: G. Giacobini (ed.), *Hominidae: Actes du 2ème Congrès International de Paléontologie Humaine*. Turin: Jaca Book. pp.331-338.‡
- Trinkaus, E. (1989) Olduvai Hominid 7 trapezial metacarpal 1 articular morphology: Contrasts with recent humans. *American Journal of Physical Anthropology* 80, 411-416.*
- Trinkaus, E., & Ruff, C.B. (1989) Diaphyseal cross-sectional geometry and biomechanics of the Fond-de-Forêt 1 femur and the Spy 2 femur and tibia. *Bulletin de la Société royale belge d'Anthropologie et de Préhistoire*. 100, 33-42.†
- Ogilvie, M.D., Curran, B.K., & Trinkaus, E. (1989) The incidence and patterning of dental enamel hypoplasias among the Neandertals. *American Journal of Physical Anthropology*. 79, 25- 41.*
- Trinkaus, E. (1989) Issues concerning human emergence in the later Pleistocene. In: E. Trinkaus (ed.), *The Emergence of Modern Humans: Biocultural Adaptations in the Later Pleistocene*. Cambridge UK: Cambridge University Press. pp. 1-17.‡
- Trinkaus, E. (1989) The Upper Pleistocene transition. In: E. Trinkaus (ed.), *The Emergence of Modern Humans: Biocultural Adaptations in the Later Pleistocene*. Cambridge UK: Cambridge University Press. pp. 42-66.‡
- Trinkaus, E. (1988) Human Origins. In: N.K. Wessels & J.L. Hopson (eds.), *Biology*. New York: Random House Inc. pp. 1215- 1238.†
- Franciscus, R.G., & Trinkaus, E. (1988) Nasal morphology and the emergence of *Homo erectus*. *American Journal of Physical Anthropology*. 75, 517-527.*

² Reprinted in: E. Delson, I. Tattersall, and J. Van Couvering (eds.), *Paleoanthropology Annuals. 1*: 107-112 [1991].

- Trinkaus, E. (1988) The evolutionary origins of the Neandertals, or, Why were there Neandertals? In: E. Trinkaus (ed.), *L'Homme de Néandertal 3: L'Anatomie. Études et Recherches Archéologiques de l'Université de Liège*. 30, 11-29. ‡
- Trinkaus, E., & Churchill, S.E. (1988) Neandertal radial tuberosity orientation. *American Journal of Physical Anthropology*. 75, 15-21.*
- Trinkaus, E. (1987) The Neandertal face: evolutionary and functional perspectives on a recent hominid face. *Journal of Human Evolution*. 16, 429-443.*
- Trinkaus, E. (1987) The Upper Pleistocene human molar from Me'arat Shovakh (Mugharet esh-Shubbabiq), Israel. *Paléorient*. 13, 93-98.*
- Trinkaus, E., & Thompson, D.D. (1987) Femoral diaphyseal histomorphometric age determinations for the Shanidar 3, 4, 5 and 6 Neandertals and Neandertal longevity. *American Journal of Physical Anthropology*. 72, 123-129.*
- Tompkins, R.L., & Trinkaus, E. (1987) La Ferrassie 6 and the development of Neandertal pubic morphology. *American Journal of Physical Anthropology*. 73, 233-239.*
- Trinkaus, E. (1987) Bodies, brawn, brains and noses: Human ancestors and human predation. In: M.H. Nitecki & D.V. Nitecki (eds.), *The Evolution of Human Hunting*. New York: Plenum Press. pp. 107-145. ‡
- Trinkaus, E. (1986) Les Néandertaliens. *La Recherche*. 17, 1040-1047.†
- Trinkaus, E. (1986) Les hommes fossiles d'Amérique et les origines des Amérindiens. In: D. Ferembach, C. Susanne & M.C. Chamla (eds.), *L'Homme, son Evolution, sa Diversité: Manuel d'Anthropologie Physique*. Paris: Editions du C.N.R.S. et Editions Doin. pp. 293-296.†
- Trinkaus, E. (1986) The Neandertals and modern human origins. *Annual Review of Anthropology*. 15, 193-218.†
- Trinkaus, E. (1986) Gensac-la-Pallue, Abri Laubaret, sondage. Néolithique. In: A. Debord & J.C. Papinot (eds.), *Bulletin de Liason et d'Information, Association des Archéologues et Direction des Antiquités de Poitou-Charentes*. 15, 13.
- Trinkaus, E. (1985) Cannibalism and burial at Krapina. *Journal of Human Evolution*. 14, 203-216.*
- Trinkaus, E., & Maurer Trinkaus, K. (1985) Un sondage à la Grotte d'Entreroches (Magnac-sur-Touvre, Charente). *Bulletin et Mémoires de la Société Archéologique et Historique de la Charente*. 1985(4), 227-237.
- Trinkaus, E. (1985) Pathology and the posture of the La Chapelle-aux-Saints Neandertal. *American Journal of Physical Anthropology*. 67, 19-41.*
- Trinkaus, E., & Smith, F.H. (1985) The fate of the Neandertals. In: E. Delson (ed.), *Ancestors: The Hard Evidence*. New York: Alan R. Liss Inc. pp. 325-333. ‡³
- Trinkaus, E. (1984) Western Asia. In: F.H. Smith & F. Spencer (eds.), *The Origins of Modern Humans: A World Survey of the Fossil Evidence*. New York: Alan R. Liss Inc. pp. 251-293.†

³ Reprinted in: R.L. Ciochon and J.G. Fleagle (eds.) *The Human Evolution Source Book*. Englewood Cliffs: Prentice-Hall. pp. 579-585 [1993].

- Maurer Trinkaus, K., Trinkaus, E., & Gomez de Soto, J. (1984) Première découverte de céramique Campanienne A tardive en Charente, Grotte d'Entreroches, Magnac-sur-Touvre. *Bulletin et Mémoires de la Société Archéologique et Historique de la Charente*. 1984(3), 202-204.
- Trinkaus, E. (1984) Does KNM-ER 1481A establish *Homo erectus* at 2.0 myr BP? *American Journal of Physical Anthropology*. 64, 137-139.*
- Trinkaus, E. (1984) Neandertal pubic morphology and gestation length. *Current Anthropology*. 25, 509-514.*
- Trinkaus, E. (1983) Functional aspects of Neandertal pedal remains. *Foot and Ankle*. 3, 377-390.†
- Trinkaus, E. (1983) Neandertal postcrania and the adaptive shift to modern humans. In: E. Trinkaus (ed.), *The Mousterian Legacy: Human Biocultural Change in the Upper Pleistocene*. Oxford: British Archaeological Reports. S164, 165-200.
- Trinkaus, E. (1982) A history of *Homo erectus* and *Homo sapiens* paleontology in America. In: F. Spencer (ed.), *A History of American Physical Anthropology 1930-1980*. New York: Academic Press. pp. 261-280.†
- Trinkaus, E., & LeMay, M. (1982) Occipital bunting among later Pleistocene hominids. *American Journal of Physical Anthropology*. 57, 27-35.*
- Trinkaus, E., & Zimmerman, M.R. (1982) Trauma among the Shanidar Neandertals. *American Journal of Physical Anthropology*. 57, 61- 76.*
- Trinkaus, E. (1982) Artificial cranial deformation of the Shanidar 1 and 5 Neandertals. *Current Anthropology*. 23, 198-199.*
- Trinkaus, E. (1982) The Shanidar 3 Neandertal. *American Journal of Physical Anthropology*. 57, 37-60.*
- Trinkaus, E. (1982) The human skeleton from the Nantucket Field Station site. *Bulletin of the Massachusetts Archaeological Society*. 43, 37-39.
- Trinkaus, E. (1982) Evolutionary continuity among archaic *Homo sapiens*. In: A. Ronen (ed.), *The Transition from the Lower to Middle Palaeolithic and the Origin of Modern Man*. Oxford: British Archaeological Reports. S151, 301-314.‡
- Stringer, C.B., & Trinkaus, E. (1981) The Shanidar Neanderthal crania. In: C.B. Stringer (ed.), *Aspects of Human Evolution*. London: Taylor & Francis. pp. 129-165.†
- Trinkaus, E. (1981) Neanderthal limb proportions and cold adaptation. In: C.B. Stringer (ed.), *Aspects of Human Evolution*. London: Taylor & Francis. pp. 187-224.‡
- Thompson, D.D., & Trinkaus, E. (1981) Age determination for the Shanidar 3 Neanderthal. *Science*. 212, 575-577.*
- Zimmerman, M.R., Trinkaus, E., LeMay, M., Aufderheide, A.C., Reyman, T.A., Marrocco, G.A., Schultes, R.E., & Coughlin, E.A. (1981) Trauma and trephination in a Peruvian mummy. *American Journal of Physical Anthropology*. 55, 497-501.*
- Trinkaus, E., & Howells, W.W. (1981) De Neandertalers. In: F. van Noten (ed.), *De Evolutie van de Mens. Natuur en Techniek*. 50, 264-291.†
- Zimmerman, M.R., Trinkaus, E., LeMay, M., Aufderheide, A.C., Reyman, T.A., Marrocco, G.A., Ortel, W., Benitez, J.T., Laughlin, W.S., Horne, P.D., Schultes, R.E., & Coughlin,

- E.A. (1981) The paleopathology of an Aleutian mummy. *Archives of Pathology and Laboratory Medicine*. 105, 638-641.*
- Trinkaus, E. (1980) New light on the very ancient Near East. *Symbols*. 2, 2,3,11.
- Trinkaus, E., & Stewart, T.D. (1980) The Shanidar 3 Neanderthal: A fragmentary skeleton from Shanidar Cave, northern Iraq. *Sumer*. 36, 9-39.
- Trinkaus, E. (1980) Sexual differences in Neanderthal limb bones. *Journal of Human Evolution*. 9, 377-397.†
- Lovejoy, C.O., & Trinkaus, E. (1980) Strength and robusticity in the Neandertal tibia. *American Journal of Physical Anthropology*. 53, 465-470.*
- Trinkaus, E., & Howells, W.W. (1979) The Neanderthals. *Scientific American*. 241(6), 118-133.†
- Trinkaus, E. (1978) Hard times among the Neandertals. *Natural History*. 87(10), 58-63.⁴
- Trinkaus, E. (1978) Functional implications of the Krapina Neandertal lower limb remains. In: M. Malez (ed.), *Krapinski Pracovjek i Evolucija Hominida*. Zagreb: Jugoslavenska Akademija Znanosti i Umjetnosti. pp. 155-192.†
- Trinkaus, E. (1978) Les métatarsiens et les phalanges du pied des Néandertaliens de Spy. *Bulletin de l'Institut royal des Sciences naturelles de Belgique*. 51(7), 1-18.
- Trinkaus, E. (1978) A preliminary description of the Shanidar 5 partial skeleton. In: D.J. Chivers & K.A. Joysey (eds.), *Recent Advances in Primatology*. London: Academic Press. 3, 431-433.‡
- Trinkaus, E. (1978) Bilateral asymmetry of human skeletal non-metric traits. *American Journal of Physical Anthropology*. 49, 315-318.*
- Trinkaus, E. (1978) The human skeletal remains from Hallstatt in the Duchess of Mecklenburg Collection. *Germania*. 56, 88-93.⁵
- Trinkaus, E. (1978) Dental remains from the Shanidar adult Neanderthals. *Journal of Human Evolution*. 7, 369-382.*
- Trinkaus, E. (1977) An inventory of the Neanderthal remains from Shanidar Cave. *Sumer*. 33, 9-33.
- Trinkaus, E. (1977) The Shanidar 5 Neanderthal skeleton. *Sumer*. 33, 34-41.
- Rhoads, J.G., & Trinkaus, E. (1977) Morphometrics of the Neandertal talus. *American Journal of Physical Anthropology*. 46, 29-44.*
- Trinkaus, E. (1977) A functional interpretation of the axillary border of the Neandertal scapula. *Journal of Human Evolution*. 6, 231-234.
- Trinkaus, E. (1977) The Alto Salaverry child: A case of anemia from the Peruvian preceramic. *American Journal of Physical Anthropology*. 46, 25-28.*

⁴ Reprinted in: E. Angeloni (ed.), *Annual Editions: Physical Anthropology 92/93*. Guilford CT: Dushkin Pub. pp.118-122 [1992]; E. Angeloni (ed.), *Annual Editions: Physical Anthropology 93/94*. Guilford CT: Dushkin Pub. pp.167-171 [1993]; E. Angeloni (ed.), *Annual Editions: Physical Anthropology 94/95*. Guilford CT: Dushkin Pub. pp.167-171 [1994].

⁵ Reprinted in: P.S. Wells (ed.), *The Emergence of an Iron Age Economy: The Mecklenburg Grave Groups from Hallstatt and Sticna*. *American School of Prehistoric Research Bulletin*. 33: 30-36 [1981].

- Trinkaus, E. (1976) The morphology of European and southwest Asian Neandertal pubic bones. *American Journal of Physical Anthropology*. 44, 95-104.*
- Trinkaus, E. (1976) The evolution of the hominid femoral diaphysis during the Upper Pleistocene in Europe and the Near East. *Zeitschrift für Morphologie und Anthropologie*. 67, 291-319.
- Trinkaus, E. (1976) Note on the hominid molar from the Abri des Merveilles at Castel-Merle (Dordogne). *Journal of Human Evolution*. 5, 203-205.
- Trinkaus, E. (1975) The Neandertals from Krapina, northern Yugoslavia: An inventory of their lower limb remains. *Zeitschrift für Morphologie und Anthropologie*. 67, 44-59.
- Trinkaus, E. (1975) Squatting among the Neandertals: A problem in the behavioral interpretation of skeletal morphology. *Journal of Archaeological Science*. 2, 327-351.
- Mann, A.E., & Trinkaus, E. (1974) Neandertal and Neandertal-like fossils from the Upper Pleistocene. *Yearbook of Physical Anthropology*. 17, 169-193. ‡
- Trinkaus, E. (1973) A reconsideration of the Fontéchevade fossils. *American Journal of Physical Anthropology*. 39, 25-36.*

TEACHING AND ADVISEMENT

Ph.D. Advisement: Doctoral Committee Chair

- Lacy, S.A. (2014) *Oral Health and its Implications in Late Pleistocene Western Eurasian Humans*. Washington University (funding: Leakey Fdtn.).
- Ocobock, C. (2014) *Measuring and Predicting Total Energy Expenditure among Highly Active Humans in Natural Environments* (co-chair). Washington University (funding: Leakey Fdtn.).
- Maki, J.M. (2013) *The Biomechanics of Spear Throwing: An Analysis of the Effects of Anatomical Variation on Throwing Performance, with Implications for the Fossil Record*. Washington University.
- Maley, B.C. (2011) *Population Structure and Demographic History of Human Arctic Populations Using Quantitative Cranial Traits*. Washington University (funding: NSF).
- Cowgill, L.W. (2008) *The Ontogeny of Late Pleistocene Postcranial Robusticity*. Washington University (funding: NSF; Wenner-Gren Fdtn., Leakey Fdtn.).
- Shackelford, L.L. (2005) *Patterns of Geographic Variation in the Postcranial Robusticity of Late Upper Paleolithic Humans*. Washington University (funding: NSF; Am. Mus. Nat. Hist.)
- Athreya, S. (2003) *A Quantitative Assessment of Geographical and Temporal Variation in Middle Pleistocene Homo Frontal Bone Morphology using Fourier Analysis*. Washington University (funding: NSF, Wenner-Gren Fdtn., Am. Assoc. Univ. Women).
- Weaver, A.G.H. (2001) *The Cerebellum and Cognitive Evolution in Pliocene and Pleistocene Hominids*. University of New Mexico.(funding: Leakey Fdtn., Wenner-Gren Fdtn.)
- Ogilvie, M.D. (2000) *A Biological Reconstruction of Mobility Patterns at the Foraging to Farming Transition in the American Southwest*. University of New Mexico.

- Niewoehner, W.A. (2000) *The Functional Anatomy of Late Pleistocene and Recent Human Carpometacarpal and Metacarpophalangeal Articulations*. University of New Mexico. (funding: NSF, Leakey Fdtn.)
- Hilton, C.E. (1997) *Comparative Locomotor Kinesiology in Two Contemporary Hominid Groups: Sedentary Americans and Mobile Venezuelan Foragers*. University of New Mexico.
- Holliday, T.W. (1995) *Body Size and Proportions in the Late Pleistocene Western Old World and the Origins of Modern Humans*. University of New Mexico. (funding: NSF, Leakey Fdtn.)
- Franciscus, R.G. (1995) *Nasal Morphology in the Western Old World Later Pleistocene and the Origins of Modern Humans*. University of New Mexico. (funding: NSF, Leakey Fdtn.)
- Churchill, S.E. (1994) *Human Upper Body Evolution in the Eurasian Later Pleistocene*. University of New Mexico. (funding: NSF, Leakey Fdtn.).
- Tompkins, R.L. (1991) *Dental Development in Upper Pleistocene Fossil Hominids and Recent Humans*. University of New Mexico. (funding: NSF, Leakey Fdtn.)
- Brock, S.L. (1985) *Biomechanical Adaptation in the Lower Limb Bones through Time in the Prehistoric Southwest*. University of New Mexico.
- Potts, R.B. (1982) *Lower Pleistocene Site Formation and Hominid Activities at Olduvai Gorge, Tanzania* (co-chair). Harvard University. (funding: NSF, Leakey Fdtn., Boise Fund)