

KENNETH CARPENTER, Ph.D.
Director and Curator of Paleontology
Prehistoric Museum
Utah State University - College of Eastern Utah
155 East Main Street
Price, Utah 84501

Education

May, 1996. Ph.D., Geology University of Colorado, Boulder, CO. Dissertation "Sharon Springs Member, Pierre Shale (Lower Campanian) depositional environment and origin of its Vertebrate fauna, with a review of North American plesiosaurs" 251 p.
May, 1980. B.S. in Geology, University of Colorado, Boulder, CO.
Aug-Dec. 1977 Apprenticeship, Smithsonian Inst., Washington DC

Professional Museum Experience

1975 – 1980: University of Colorado Museum, Boulder, CO.
1983 – 1984: Mississippi Museum of Natural History, Jackson, MS.
1984 – 1986: Academy of Natural Sciences of Philadelphia, Philadelphia.
1986: Carnegie Museum of Natural History, Pittsburgh, PA.
1986: Oklahoma Museum of Natural History, Norman, OK.
1987 – 1989: Museum of the Rockies, Bozeman, MT.
1989 – 1996: Chief Preparator, Denver Museum of Nature and Science, Denver, CO.
1996 – 2010: Chief Preparator, and Curator of Vertebrate Paleontology, Denver Museum of Nature and Science, Denver, CO.
2006 – 2007; 2008-2009: Acting Department Head, Chief Preparator, and Curator of Vertebrate Paleontology, Denver Museum of Nature and Science, Denver, CO.
2010 – present: Director, Prehistoric Museum, Price, UT
2010 – present: Associate Vice Chancellor, Utah State University

Professional Services:

1991 – 1998: Science Advisor, Garden Park Paleontological Society
1994: Senior Organizer, Symposium "The Upper Jurassic Morrison Formation: An Interdisciplinary Study"
1996: Scientific Consultant *Walking With Dinosaurs*, BBC, England
2000: Scientific Consultant *Ballad of Big Al*, BBC, England
2000 – 2003: Associate Editor, Journal of Vertebrate Paleontology
2001 – 2003: Associate Editor, Earth Sciences History journal
2003 – present: Scientific Advisor, HAN Project 21 Dinosaur Expos, Tokyo, Japan.
2006 – 2007: consultant, National Geographic Society Giant Screen Films
2010: Scientific Consultant, *Planet Dinosaur* BBC, London.

Professional Services (television):

2010 – *Tyrannosaurus Sex*. Locomotive Entertainment.
2009 – *Clash of the Dinosaurs*. Dangerous Films, England
2008 – *The Loch Ness Monster Revealed*. Waddell Media, Ireland.
2007 – *Evolve : Sex*. Optomen Media, England.

2007 – *Evolve: Skin*. Optomen Media, England.
2007 – *Faces of the Earth*. AAPG Media, US.
2006 – *Dinosaurs vs Mammals*. NHK Television, Japan.
2005 – *Die Enkel der Saurier*. RS Films, Germany.
2005 – *Monsters of the Deep*. Red Sky Films, New Zealand.
2005 – *The Truth About Killer Dinosaurs: Programme 2*. ZDF Productions, England.
2004 – *T rex: Warrior or Wimp?* Horizon Films, England
2002 – *The Lost Dinosaurs of New Zealand*. Red Sky Film and Television, New Zealand.
2002 – *Dream World*. Sony Exhibition, Japan
2002 – *Dinosaur Eggs and Babies*. Stone Company, US
1999 – *Making of “Walking With Dinosaurs”*. BBC Television, England.
1999 – *National Geographic Explorer’s Journal: The Flying Fossil*
1999 – *National Geographic Explorer’s Journal: Dino Babies*
1998 – *In Search of History: Secrets of the Dinosaur Hunters*. Weller/Grossman Productions, US
1998 – *Science for Grownups - Dinosaur Quarry* KMGH Television
1998 – *National Geographic Explorer’s Journal: Dinosaur Killers*.
1997 – *Dinosaurs Inside and Out*. New Dominion Pictures, England.
1997 – *PaleoWorld: Baby Monsters*. Wall-to-Wall Television, England.
1997 – *Geonauts: Lesson 52*. ETC & Northern Arizona University, US.
1996 – *PaleoWorld: Armored Dinosaurs*. Wall-to-Wall Television, England.
1996 – *End of the World – Act I*. Les Production, Canada.
1996 – *Movie Magic: Dinomania*. GRB Entertainment, US.
1995 – *Paleoworld: Earthshakers*. Wall-to-Wall Television.
1993 – *Dinosaur!* KRDO Television
1991 – *Dinosaur!* A&E Television
1990 – *Target New Jersey: Dinosaurs: Creatures of Time* New Jersey PBS

Professional Society Memberships

Society of Vertebrate Paleontology
Paleontological Society of Japan
Utah Geological Association

Research Interests

Paleopathology in dinosaurs
Dinosaurs of the Morrison and Cedar Mountain Formations.
Systematics of dinosaurs, especially of thyreophorans.
Functional morphology (Biomechanics of dinosaur limbs)
Dinosaur eggs and ontogeny of dinosaurs
Taphonomy and fossilization processes

Taxa Named

Dinosaurs

Alcovasaurus longispinus Galton and Carpenter 2016
Animantarx ramaljonesi Carpenter, Kirkland, Burge, and Bird 1999
Camptosaurus aphanoecetes Carpenter and Wilson 2008
Cedarpelta bilbeyhallorum Carpenter, Kirkland, Burge, and Bird 2001.

Cedarosaurus weiskopfae Tidwell, Carpenter and Brooks 1999
Cedrorestes crichtoni Gilpin, DiCroce and Carpenter 2007
Gargoyleosaurus parkinorum Carpenter, Miles and Cloward 1998
Gojirasaurus quayi Carpenter 1997
Hesperosaurus mjosi Carpenter, Miles and Cloward 2001
Kunbarrasaurus ieversi Leahey, Molnar, Carpenter, Witmer, and Salisbury 2015
Maleevosaurus novojilovi Carpenter 1992
Niobrarasaurus coleii Carpenter, Dilkes and Wieshampel 1995
Pectinodon bakkeri Carpenter 1982
Peloroplites cedrimontanus Carpenter, Bartlett, Bird, and Barrick 2008
Planicoxa depressa n.c. Carpenter and Wilson 2008
Planicoxa venenica DiCroce and Carpenter 2001
Proplanicoxa galtoni Carpenter and Ishida 2010
Sellacoxa pauli Carpenter and Ishida 2010
Tanycolagreus topwilsoni Carpenter, Miles, and Cloward 2005
Theiophytalia kerri Brill and Carpenter 2007
Torilion dawsoni Carpenter and Ishida 2010
Venenosaurus dicrocei Tidwell, Carpenter, Meyer 2001
Wadhurstia fittoni Carpenter and Ishida 2010

Mammals

Docodon apoxys Rougier, Sheth, Carpenter, Appella-Guiscafre, & Davis 2014

Plesiosaurs

Callawayasaurus columbiensis Carpenter 1999
Libonectes morgani Carpenter 1997
Megacephalosaurus eulerti Schumacher, Carpenter, Everhart 2012
Plesiopleurodon wellesi Carpenter 1996

Pterosaurs

Harpactognathus gentryii Carpenter, Unwin, Cloward, Miles, and Miles 2003
Kepodactylus insperatus Harris and Carpenter 1998

Publications (reversed chronology)

1. Kinneer, B., Carpenter, K., and Shaw, A. 2016. Redescription of *Gastonia burgei* (Dinosauria: Ankylosauria, Polacanthidae), a description of a new species. *Neues Jahrbuch für Geologie und Paläontologie, Abh.* 282/1:37-80.
2. Carpenter, K. 2016. After the bone moves: actualistic experiments and computational fluid dynamics on stationary bone in a water flume. *Society of Vertebrate Paleontology, 76th Annual Meeting Abstracts of Papers*: 110.
3. Galton, P. M., and Carpenter, K. 2016. Bipedal ornithischian dinosaurs (heterodontosauridae and ornithomimidae) from the Morrison formation (Upper Jurassic) of the western United States of America. *Society of Vertebrate Paleontology, 76th Annual Meeting Abstracts of Papers*: 141-142.

4. Kirkland, J. I., Carpenter, K., Morgan, K. 2016. The Morrison Formation's ankylosaurs. Society of Vertebrate Paleontology, 76th Annual Meeting Abstracts of Papers: 167.
5. Yoshida, J., and Carpenter, K. 2016. Burrows of small animals from the Mid-Cretaceous Cedar Mountain Formation, Utah, USA. Society of Vertebrate Paleontology, 76th Annual Meeting Abstracts of Papers: 256.
6. Carpenter, K. 2016. *Acrocanthosaurus* Inside and Out. Oklahoma University Press, 137p.
7. Matthias, A.E., McWhinney, L.A., Carpenter, K. 2016. Pathological pitting in ankylosaur (Dinosauria) osteoderms. International Journal of Paleopathology 13: 82–90.
8. Carpenter, K. and Cifelli, R. 2016. A possible juvenile ceratopsoid ilium from the Cenomanian of central Utah, U.S.A. Cretaceous Research 60: 167-175.
9. Galton, P., and Carpenter, K. 2016. The plated dinosaur *Stegosaurus longispinus* Gilmore, 1914 (Dinosauria: Ornithischia; Upper Jurassic, western USA), type species of *Alcovasaurus* n. gen. Neues Jahrbuch für Geologie und Palaeontologie, Abh. 279(2): 185-208.
10. Leahey, L.G., Molnar, R.E., Carpenter, K., Witmer, L.M., and Salisbury, S.W. 2015. Cranial osteology of the ankylosaurian dinosaur formerly known as *Minmi* sp. (Ornithischia: Thyreophora) from the Lower Cretaceous Allaru Mudstone of Richmond, Queensland, Australia. PeerJ 3:e1475; DOI 10.7717/peerj.1475
11. Carpenter, K., and Lamanna, M.C. 2015. The braincase assigned to the ornithopod dinosaur *Uteodon* McDonald, 2011, reassigned to *Dryosaurus* Marsh, 1894: implications for iguanodontian morphology and taxonomy. Annals of Carnegie Museum 83: 149-165.
12. Yoshida, J., Carpenter, K., Kobayashi, Y. 2015. First record of a somphospondylan sauropod from Utah and the paleoecology of sauropods in Utah during the Albian. Society of Vertebrate Paleontology Program and Abstracts. p. 243.
13. Zelenitsky, D. K., Currie, P. J., Carpenter, K., Lü, J. Baby Louie: A theropod perinate from the Cretaceous of China reveals affinity of the largest known dinosaur eggs. Society of Vertebrate Paleontology Program and Abstracts. 244-245.
14. Galton, P. M., K. Carpenter and S. G. Dalman. 2015. The holotype pes of the Morrison dinosaur *Camptonotus amplus* Marsh 1879 (Upper Jurassic, western USA – is it *Camptosaurus*, Sauropoda or *Allosaurus*? Neues Jahrbuch für Geologie und Paläontologie, Abh 275/3: 317-335.
15. Carpenter, K., and Paul, G.S. 2015. Comment on *Allosaurus* Marsh, 1877 (Dinosauria, Theropoda): proposed conservation of usage by designation of a neotype for its type species *Allosaurus fragilis* Marsh, 1877. Bulletin of Zoological Nomenclature 72(1): 79-80.
16. Hayashi, S., Redelstorff, R., Mateus, O., Watabe, M., Carpenter, K. 2014. Gigantism of stegosaurian osteoderms. Society Of Vertebrate Paleontology Abstracts Of Papers 74th Annual Meeting, p. 145.
17. Carpenter, K., 2014, Where the sea meets the land—the unresolved Dakota problem in Utah, in MacLean, J.S., Biek, R.F., and Huntoon, J.E., editors, Geology of Utah’s Far South: Utah Geological Association Publication 43, p. 357–372.

18. Rougier, G. W., Sheth, A. S., Carpenter, K., Appella-Guiscafre, L., & Davis, B. M. (2014). A New Species of Docodon (Mammaliaformes: Docodonta) from the Upper Jurassic Morrison Formation and a Reassessment of Selected Craniodental Characters in Basal Mammaliaforms. *Journal of Mammalian Evolution*, 1-16.
19. Trujillo, K.C., Chamberlain, K.R., Foster, J.R., Carrano, M.T., Bilbey, S.A., Carpenter, K. 2014. The Morrison Formation U/Pb dating project. P. 79 in J. Kirkland, J. Foster, R. Hunt-Foster. G.A. Liggett, and K. Trujillo (compilers), Mid-Mesozoic: The Age of Dinosaurs In Transition [Abstract].
20. You, H.L., Carpenter, K. A comparison of Early Cretaceous dinosaurs from Gansu Province, China, and Utah, United States. in J. Kirkland, J. Foster, R. Hunt-Foster. G.A. Liggett, and K. Trujillo (compilers), Mid-Mesozoic: The Age of Dinosaurs In Transition [Abstract].
21. Rich, T.H., Kear, B.P., Sinclair, R., Chinnery, B., Carpenter, K., McHugh, M. L. & Vickers-Rich, P. 2014. *Serendipaceratops arthurcclarkei* Rich & Vickers-Rich, 2003 is an Australian Early Cretaceous ceratopsian. *Alcheringa* 38: 1-24.
22. Rivera-Sylva, H.E., and Carpenter, K. 2014. Mexican saurischian dinosaurs. Pp. 143-155, in, Rivera-Sylva, H.E., Carpenter, K., and Frey, E. (eds.). *Dinosaurs and Other Reptiles from the Mesozoic of Mexico*. Indiana University Press, Bloomington, IN.
23. Rivera-Sylva, H.E., and Carpenter, K. 2014. The ornithischian dinosaurs of Mexico. Pp. 156-180, in, Rivera-Sylva, H.E., Carpenter, K., and Frey, E. (eds.). *Dinosaurs and Other Reptiles from the Mesozoic of Mexico*. Indiana University Press, Bloomington, IN.
24. Rivera-Sylva, H.E., Carpenter, K., and Frey, E. (eds.). 2014. *Dinosaurs and Other Reptiles from the Mesozoic of Mexico*. Indiana University Press, Bloomington, IN., 216 p.
25. Carpenter K, DiCroce T, Kinneer B, Simon R. 2013. Pelvis of *Gargoyleosaurus* (Dinosauria: Ankylosauria) and the origin and evolution of the ankylosaur pelvis. *PLoS ONE* 8(11): e79887. doi:10.1371/journal.pone.0079887
26. Yoshida, J., Carpenter, K., and Kobayashi, Y. 2013. New sauropod from the Cedar Mountain Formation of Utah, USA. Society of Vertebrate Paleontology Program and Abstracts, 73rd Annual Meeting: 242.
27. Carpenter, K. 2013. New evidence for predation by a large tyrannosaurid. P. 278-285 in Parrish, J.M., Molnar, R., Currie, P.J., and Koppelhus, E.B. (eds.). 2013. *Tyrannosaurid Paleobiology*. Indiana University Press, Bloomington, IN.
28. Carpenter, K. 2013. A closer look at the hypothesis of scavenging versus predation by *Tyrannosaurus rex*. P. 264-277 in Parrish, J.M., Molnar, R., Currie, P.J., and Koppelhus, E.B. (eds.). 2013. *Tyrannosaurid Paleobiology*. Indiana University Press, Bloomington, IN.
29. Carpenter, K. 2013. History, sedimentology, and taphonomy of the Carnegie Quarry, Dinosaur National Monument. *Annals of Carnegie Museum* 81:153-232.
30. Schumacher, B., Carpenter, K., Everhart, M. 2013. A new Cretaceous pliosaurid (Reptilia, Plesiosauria) from the Carlile Shale (middle Turonian) of Russell County,

- Kansas. *Journal of Vertebrate Paleontology* 33(3): 613-628.
31. Schumacher, B., Carpenter, K., Everhart, M. 2012. A new pliosaur (Plesiosauria, Pliosauridae) from the Carlile Shale (Cretaceous: middle Turonian) of Russell County, Kansas. *Journal of Vertebrate Paleontology, Program and Abstracts*, 168-169.
 32. Hayashi, S., Zhao, Q., Watabe, M., Carpenter, K., Xu, X. 2012. Phylogenetic and ontogenetic variations of bone histology in thyreophoran osteoderms. *Journal of Vertebrate Paleontology, Program and Abstracts*, 108
 33. Carpenter, K. 2012: A new look for *Utahraptor*. *Deposits* 31:35 - 36.
 34. Carpenter, K. 2012. Dinosaurs as museum exhibits, in Brett-Surman, M.K., Holtz, T.R., and Farlow, J.O., (eds.), *The Complete Dinosaur*. 2nd Edition. Bloomington, Indiana University Press, p. 285-302.
 35. Carpenter, K. 2012. Ankylosaurs, in Brett-Surman, M.K., Holtz, T.R., and Farlow, J.O., (eds.), *The Complete Dinosaur*. 2nd Edition. Bloomington, Indiana University Press, p. 505-525.
 36. Hayashi, S., K. Carpenter, M. Watabe and L. A. McWhinney. 2011. Ontogenetic histology of *Stegosaurus* plates and spikes. *Palaeontology*
 37. Carpenter, K., S. Hayashi, Y. Kobayashi, T. Maryanska, R. Barsbold, K. Sato & I. Obata. 2011. *Saichania chulsanensis* (Ornithischia, Ankylosauridae) from the Upper Cretaceous of Mongolia. *Palaeontographica, Abt. A*, 294: 1-61.
 38. Carpenter, K. 2011. Dinosauria (Dinosaurs). In: eLS. John Wiley & Sons, Ltd: Chichester. www.els.net.
 39. Carpenter, K. 2011. Comments on *Stegosaurus* Marsh, 1877 (Dinosauria, Ornithischia): proposed replacement of the type species with *Stegosaurus stenops* Marsh, 1887. *Bulletin of Zoological Nomenclature* 68(3):214-215.
 40. Rivera-Sylva, H.E., Carpenter, K., and Aranda-Manteca, F.J. 2011. Late Cretaceous nodosaurids (Ankylosauria: Ornithischia) from Mexico. *Revista Mexicana de Ciencias Geológicas*, v. 28 (3), p. 371-378.
 41. Carpenter, K. 2011. Review of "Barnum Brown: The Man Who Discovered *Tyrannosaurus rex*, by Lowell Dingus and Mark A. Norell". *PALAIOS*
 42. Carpenter, K. 2010. Taphonomy Of The Douglass Quarry, Dinosaur National Monument, Utah. *Program and Abstracts, Journal of Vertebrate Paleontology*, 30: sup 2, 70A.
 43. Carpenter, K. 2010. Variation in a population of Theropoda (Dinosauria): *Allosaurus* from the Cleveland-Lloyd Quarry (Upper Jurassic), Utah, USA. *Paleontological Research*, 14 (4): 250–259.
 44. Carpenter, K. and Ishida, Y. 2010. Early and "Middle" Cretaceous Iguanodonts in Time and Space. *Journal of Iberian Geology* 36 (2) 2010: 145-164.
 45. Hayashi, S., Carpenter, K., Scheyer, T.M., Watabe, M., and Suzuki, D. 2010. Function and evolution of ankylosaur dermal armor. *Acta Palaeontologica Polonica* 55 (2): 213–228.
 46. Carpenter, K. 2010. Species Concept in North American stegosaurus. *Swiss Journal of*

Geoscience 103: 155-162.

47. Carpenter, K., Sanders, F., Reed, B., Reed, J. and Larson, P. 2010. Plesiosaur swimming as interpreted from skeletal analysis and experimental results. *Transactions of the Kansas Academy of Sciences* 113: 1-37.
48. Paul, GS and Carpenter, K. 2010. *Allosaurus* Marsh, 1877 (Dinosauria, Theropoda): proposed conservation of usage by designation of a neotype for its type species *Allosaurus fragilis* Marsh, 1877. *Bulletin of Zoological Nomenclature* 67: 1-4.
49. Carpenter, K. 2009. Role of lateral body bending in crocodylian track making. *Ichnos* 16: 202 – 207.
50. Carpenter, K. 2009. “Behind the Scenes of Sea Monsters: A Prehistoric Adventure” *Denver Museum of Nature & Science Magazine*.
51. Carpenter, K. 2009. Role of lateral body bending in crocodylian track making. *Ichnos* 16: 202 – 207.
52. Hayashi, S., Carpenter, K. and Suzuki, D. 2009. Differential growth patterns between the skeleton and osteoderms of *Stegosaurus* (Ornithischia: Thyreophora). *Journal of Vertebrate Paleontology* 29:123-131.
53. Carpenter, K. 2009. Dinosaurs of the badlands. Pp. 128-129 in *Dinosaur Expo 2009: The Miracle of Deserts Official Catalogue*, PO-Media Service Co., Tokyo.
54. Carpenter, K. 2009. A Comparison of *Animantarx* and other ankylosaurs. Pp. 130-131 in *Dinosaur Expo 2009: The Miracle of Deserts Official Catalogue*, PO-Media Service Co., Tokyo.
55. The Newest Information on Everybody's Favorite Dinosaur: *Tyrannosaurus rex*. Pp. 154-155 in *Dinosaur Expo 2009: The Miracle of Deserts Official Catalogue*, PO-Media Service Co., Tokyo.
56. Hayashi, S., and Carpenter, K. 2009. Ontogeny of plates and spikes of *Stegosaurus* (Ornithischia: Thyreophora): Implications for plate and spike growth. Abstracts for the Symposium on Stegosauria. Aathal, Switzerland: 3.
57. Carpenter, K. 2009. Species concepts in North American stegosaurs. Abstracts for the Symposium on Stegosauria. Aathal, Switzerland: 10.
58. Carpenter, K., J. Bartlett, J. Bird, R. Barrick. 2009. Ankylosaurs From The Price River Quarries, Cedar Mountain Formation (Lower Cretaceous), East-Central Utah. *Journal of Vertebrate Paleontology* 28(4):1089–1101.
59. Carpenter, K. and Wilson, Y. 2008. A new species of *Camptosaurus* (Ornithopoda: Dinosauria) from the Morrison Formation (Upper Jurassic) of Dinosaur National Monument, Utah, and a biomechanical analysis of its forelimb. *Annals of the Carnegie Museum* 76:227-263.
60. Hayashi, Shoji, Kenneth, Carpenter, Watabe, Mahito, Mateus, Octávio, Barsbold, Rinchen. 2008. Defensive weapons of thyreophoran dinosaurs: histological comparisons and structural differences in spikes and clubs of ankylosaurs and *Stegosaurus*. *Journal of Vertebrate Paleontology* 28(3): 89A-90A.
61. Lipkin, C. and Carpenter, K. 2008. Looking again at the forelimbs of *Tyrannosaurus rex*. PP 166-190 in Larson, P. and Carpenter, K. (eds). *T. rex: The Tyrant King* (Indiana University Press).
62. Larson, P. and Carpenter, K. (eds). 2008. *T. rex: The Tyrant King* (Indiana University Press).

63. Brill, K. and K. Carpenter. 2007. A description of a new ornithopod from the Lytle Member of the Purgatoire Formation (Lower Cretaceous) and a reassessment of the skull of *Camptosaurus*. pp. 49-67. In K. Carpenter, ed., *Horns and Beaks: Ceratopsian and Ornithopod Dinosaurs*. Indiana University Press, Bloomington.
64. Carpenter, K. (ed), 2007, *Horns and Beaks: Ceratopsian and Ornithopod Dinosaurs*. Indiana University Press, Bloomington. 369p.
65. Carpenter, K. 2007. "*Bison*" *alticornis* and O.C. Marsh's early views on ceratopsians. 349-369. In K. Carpenter, ed., *Horns and Beaks: Ceratopsian and Ornithopod Dinosaurs*. Indiana University Press, Bloomington.
66. Carpenter, K. 2007. How to Make a Fossil: Part 1 - Fossilizing Bone. *Journal of Paleontological Sciences*. Issue 1.
67. Carpenter, K. 2007. How to Make a Fossil: Part 2 – Dinosaur mummies and other soft tissue. *Journal of Paleontological Sciences*. Issue 2.
68. Carpenter, K. 2007. How to Write a Scientific Article. *Journal of Paleontological Sciences*. Issue 1.
69. Carpenter, K. 2007. To fossilize a dinosaur bone. Alberta Palaeontological Society, Eleventh Annual Symposium, Abstracts Volume, p. 11–15. Mount Royal College, Calgary, Alberta.
70. Carpenter, K. and Everhart, M.J. 2007. Skull of the ankylosaur *Niobrariasaurus coleii* (Ankylosauria: Nodosauridae) from the Smoky Hill Chalk (Coniacian) of western Kansas. *Transactions of the Kansas Academy of Science*. 110: 1-9.
71. Gilpin, D., T. Dicroce and K. Carpenter. 2007. A possible new basal hadrosaur from the Lower Cretaceous Cedar Mountain Formation of eastern Utah. Pp. 79-89. In K. Carpenter, ed., *Horns and Beaks: Ceratopsian and Ornithopod Dinosaurs*. Indiana University Press, Bloomington.
72. Hayashi, S. and Carpenter, K. 2007. Different growth patterns between the body skeleton and osteoderms of *Stegosaurus* (Ornithischia: Thyreophora). *Journal of Vertebrate Paleontology* Vol.27, Supplement to 3: 88A.
73. Tidwell, V. and Carpenter K. 2007. First description of cervical vertebrae for an Early Cretaceous titanosaur from North America. *Journal of Vertebrate Paleontology* Vol.27, Supplement to 3:158
74. Carpenter, K. 2006. Assessing dinosaur faunal turnover in the Cedar Mountain Formation (Lower Cretaceous) of eastern Utah, USA. *Nineth International Symposium on Mesozoic Terrestrial Ecosystems and Biota, Abstract and Proceedings Volume*, p. 152 (abstract)
75. Carpenter, K. 2006. Assessing dinosaur faunal turnover in the Cedar Mountain Formation (Lower Cretaceous) of eastern Utah, USA. *Nineth International Symposium on Mesozoic Terrestrial Ecosystems and Biota, Abstract and Proceedings Volume*, p. 21-25
76. Carpenter, K. 2006. Biggest of the Big: A critical re-evaluation of the megasauropod *Amphicoelias fragillimus*. P. 131-137 in Foster, J., and S.G. Lucas (eds). *Paleontology and Geology of the Upper Jurassic Morrison Formation*. New Mexico Museum of Natural History and Science Bulletin 36.
77. Carpenter, K. 2006. Volunteers as force-multipliers in research and in the fossil lab. *Journal of Vertebrate Paleontology* 26(3): 47A-48A.
78. Carpenter, K., 2006, Comparative vertebrate taphonomy of the Pembina and Sharon

Springs Members (Middle Campanian) of the Pierre Shale, Western Interior. *Paludicola* 5(4): 125-249.

79. Chure, D., R. Litwin, S.T. Hasiotis, E. Evanoff, and K. Carpenter. 2006. The fauna and flora of the Morrison Formation: 2006. P. 233-249 in Foster, J., and S.G. Lucas (eds). *Paleontology and Geology of the Upper Jurassic Morrison Formation*. New Mexico Museum of Natural History and Science Bulletin 36.
80. Hayashi, S. Carpenter, K. 2006. Osteoderm histology of *Stegosaurus stenops* (ornithischia: thyreophora): implications for plate and spike growth. *Journal of Vertebrate Paleontology* 26(3): 73A.
81. Carpenter, K. 2005. "*Coelophysis*" *World Book Encyclopedia* p. 753
82. Carpenter, K. (ed.) 2005. *The Carnivorous Dinosaurs*. Indiana University Press, Bloomington
83. Carpenter, K. 2005. "*Corythosaurus*" *World Book Encyclopedia* p. 1074-1075
84. Carpenter, K. 2005. Experimental investigation of the role of bacteria in bone fossilization. *Neues Jahrbuch für Geologie und Paläontologie Monatshefte* 2005 (2): 83-94
85. Carpenter, K. 2005. Review of "Richard P. Hilton. *Dinosaurs and other Mesozoic reptiles of California*." *Cretaceous Research* 26:345.
86. Carpenter, K. 2005. Review of "Richard P. Hilton. *Dinosaurs and other Mesozoic reptiles of California*." *Journal of Vertebrate Paleontology* 25: 477.
87. Carpenter, K., and Tidwell, V. 2005. Reassessment of the Early Cretaceous sauropod *Astrodon johnsoni* Leidy 1865 (Titanosauriformes). Pp.78-114. In V. Tidwell and K. Carpenter (eds) *Thunder-lizards: the Sauropodomorph Dinosaurs*. Bloomington. Indiana University Press.
88. Carpenter, K., Hayakawa, H., and Manabe, M. 2005. Significance of the Hokkaido nodosaurid (Dinosauria: Ankylosauromorpha). *The Palaeontological Society of Japan, Abstracts with Programs* p. 107
89. Carpenter, K., Miles, C., and Cloward, K. 2005. New small theropod from the Upper Jurassic Morrison Formation of Wyoming. Pp. 23-48 in Carpenter, K. (ed.) *The Carnivorous Dinosaurs*. Indiana University Press, Bloomington
90. Carpenter, K., Miles, C., Ostrom, J.H., and Cloward, K. 2005. Redescription of the small maniraptoran theropods *Ornitholestes* and *Coelurus* from the Upper Jurassic Morrison Formation of Wyoming. Pp. 49-71 in Carpenter, K. (ed.) *The Carnivorous Dinosaurs*. Indiana University Press, Bloomington.
91. Carpenter, K., Sanders, F., McWhinney, L., and Wood, L. 2005. Evidence for predator-prey relationships: Example for *Allosaurus* and *Stegosaurus*. Pp. 325-350 in Carpenter, K. (ed.) *The Carnivorous Dinosaurs*. Indiana University Press, Bloomington.
92. Carpenter, K. 2005 "*Camptosaurus*" *World Book Encyclopedia*, p. 96-97
93. Dicroce, T., Carpenter, K. Kinneer, Billy, 2005. Reconstruction of the pelvic and hind limb musculature in the ankylosaur *Gastonia*. *Journal of Vertebrate Paleontology*, 25(3), Abstracts 51A.
94. Hayakawa, H., Manabe, M., and Carpenter, K. 2005. Nodosaurid ankylosaur from the Cenomanian of Japan. *Journal of Vertebrate Paleontology* 25:240-245
95. Kilbourne, B., and Carpenter, K. 2005. Redescription of *Gargoyleosaurus parkpinorum*, a polacanthid ankylosaur from the Upper Jurassic of Albany County, Wyoming. *Neues Jahrbuch für Geologie und Paläontologie Abhandlungen* 237: 111-160.

96. Tidwell, V., and Carpenter, K. (eds). 2005. Thunder-Lizards: The Sauropodomorph Dinosaurs. Indiana University Press, Bloomington.
97. Tidwell, V., Carpenter, K., and Miles, C., 2005. A reexamination of *Morosaurus agilis* (Sauropoda) from Garden Park, Colorado. *Journal of Vertebrate Paleontology*, 25(3), Abstracts.122A.
98. Brill, K. and Carpenter, K., 2004, Articulated dermal armor of the ankylosaur *Gastonia*: *Journal of Vertebrate Paleontology*, v. 24, no. 3, 41A.
99. Carpenter, K. 2004, *Giganotosaurus*, *World Book Encyclopedia* p 188-189.
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