

# CURRICULUM VITAE

Christopher Thomas Baldwin

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## PERSONAL DATA

**Date of Birth:**                      June 30, 1947  
**Citizenship:**                              British (Resident Alien Status)  
**Marital Status:**                              Married  
**Children:**                                      Son - Born, September 2, 1976  
    Daughter - Born, April 20, 1978

## EDUCATION AND DEGREES

1971      B.Sc. (1st Class Honors) Geology, University of Liverpool, England  
1977      Ph.D. Geology, University of Liverpool, England

## HONORS AND AWARDS

1971/74      Robertson's Research Fellowship  
1992      Phi-Beta-Kappa (Honorary)  
1995      Golden Key National Honor Society (Honorary)

## ACADEMIC CAREER

1994 -                      Sam Houston State University, **Professor**, Department of Geography and Geology  
1994 - 2000                      Sam Houston State University, **Dean**, College of Arts and Sciences  
1989 -1994                      Boston University, **Associate Dean**, College of Liberal Arts and Graduate School of Arts and Sciences  
1989 -1994                      Boston University, **Special Assistant to the Dean** for Marine Programs  
1987 - 1991                      Boston University, **Chairman**, Department of Geology  
1985 (Fall)                      Boston University, **Acting Chairman**, Department of Geology  
1984 - 1994                      Boston University, **Associate Professor**, Department of Geology  
1980                              University of Marseilles, France, **CNRS Visiting Professor**, Department of Geologie Dynamique  
1974 - 1984                      University of East Anglia, Norwich, England, **Lecturer**, Environmental Sciences  
    Open University, Milton Keynes, England, **Part-time tutor**  
    University of Cambridge WEA, England, **Part-time tutor**  
    University of Maryland, England, **Part-time tutor**  
1966 - 1967                      'Voluntary Service Overseas', **Teacher**, Kingston Technical High School, Jamaica

**PROFESSIONAL MEMBERSHIPS** (*journal*)

S,E.P.M. (*Journal of Geological Research & Palios*)  
Geological Society of America (Bull. Geol. Soc. Am.)  
Houston Geological Society (HGS Bulletin)  
Fellow of the Geological Society (*Journal of the Geological Society of London*)  
*National Center for Science Education (Reports)*

SCHOLARLY INTERESTS AND ACTIVITIES

**Specialization:** Clastic sedimentology; Animal/Sediment Interaction and Trace Fossils; Recent marginal marine and glaciomarine sedimentation; Paleozoic stratigraphy; The Origin of Land Plants; Facies analysis; Environmental Geology; Fluvial and Lacustrine systems.

**Ph.D. Thesis:** The trace fossil stratigraphy of some shallow marine Cambro-Ordovician rocks from Brittany, NW Spain, and the United Kingdom.

Supervisor: T. Peter Crimes, University of Liverpool, UK

**Teaching:** Sedimentology  
Basin Analysis  
Stratigraphy/Historical Geology  
Physical Geology/Environmental Geology/Hazards  
Sedimentary Petrology and Petrography  
Marine Geology/Oceanography  
Paleontology/Animal-Sediment Interaction

**SHSU Research activities:**

- |      |  |
|------|--|
| 2002 | Principal investigator, SHSU Research Enhancement (\$24,500).<br>Controls on Sedimentation in Lake Conroe, TX                              |
|      | Principal Investigator, SHSU Faculty Research (\$5,000) Internal Structure of <i>Arthropycus alleghaniensis</i>                            |
| 2001 | Principal Investigator, CERL/DOD (\$121,000)<br>Nutrient Storages and Fluxes, 29 Palms MCCAGC, CA.   |
| 2000 | Principal Investigator, CERL/OOD (\$117,000)<br>Eolian and Event Processes, 29 Palms MCAGC, CA.  |
| 1997 | Co-principal investigator(with P.K. Strother, Boston College); Natl. Geog. Soc.<br>In search of the earliest land plants, Grand Canyon, AZ |
| 1996 | Co-principal investigator; (NSF funding to P .K. Strother. Boston College)<br>In search of the earliest land plants, Grand Canyon, AZ      |
| 2009 | Co-investigator; H.D. Johnson & C. Jackson, Imperial College, London<br>Shallow marine litho- and ichnofacies, Labuan, Borneo              |
| 2011 | Co-investigator; (National Geographic Funding to P.K. Strother, Boston College)<br>Life on land One Billion Years Ago                      |

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**Refereed Publications:**

- FitzGerald D.M., Baldwin C. T., Ibrahim N.A., & Humphries S.M. 1992. Sedimentologic and morphologic evolution of a beach-ridge barrier along an indented coast: Buzzards Bay, MA. In: C.H. Fletcher III & J.F. Wehmiller (Eds). *Quaternary Coasts of the United States: Marine and Lacustrine Systems. SEPM Spec. Publ.* 48:65-75
- Johnson, HD. & Baldwin, C. T. 1996. Shallow Clastic Seas. In: Reading, H.G. (Ed.) *Sedimentary Environments: process, facies and stratigraphy*, 3rd Edn. 232-280, Blackwell Sciences Ltd. Oxford, England
- Baldwin, C. T & McCave, I.N. 1999. Bioturbation in an active deep-sea area: implications for models of trace fossil tiering. *Palios*, 14:375-388
- Baldwin, C. T., Strother, P.K., & Rose, E. 2004. Paleoecology of the Bright Angel Shale in the eastern Grand Canyon, Arizona USA, incorporating sedimentological, ichnological and palynological data . (In) McIlroy, D. (Ed.) *The Application of Ichnology to Palaeoenvironmental and Stratigraphic Analysis: Geol. Soc. Lond. Spec. Publ.*, 228: 213-236.
- Strother, P.K., Wellman, C.H. & Baldwin, C.T. (in prep) Paleoecology of ancient freshwater microbially induced sedimentary structures (MISS) at Loch Diabeg, North West Scottish Highlands. *Paleo*<sup>3</sup>.

**Technical Reports:**

- Baldwin, C.T., 2004. *Flash Flood Hazards on the Marine Corps Air Ground Combat Center, Twentynine Palms, California*. Final Report to CERL. 57 pp.
- Baldwin, C.T., 2004. *Sediment Sources and Sinks on the Marine Corps Air Ground Combat Center, Twentynine Palms, California*. Final Report to CERL. 69 pp.

**Abstracts:**

(\* SHSU Undergraduate)

- Freile D. & Baldwin, C. T. 1996. Traces fossils and sequences in a Cambrian-Ordovician mixed siliciclastic/carbonate sequence in central Texas. *Texas Academy of Sciences, Abs. with Prog.*
- Skilliter, D\*,\_Strother, P.K., Baldwin, C.T.& McNulty, T. 1998 A Paleontological and Sedimentological Study of the Middle Cambrian Bright Angel Shale: What's for lunch? *Geol. Soc. Am. Abs. with Prog.* 30
- Baldwin, C. T., Rose, E., Strother, P.K., and Beck, J. 2000 The Paleoecology of the Bright Angel Shale in the Eastern Grand Canyon. *Geol. Soc. Am.* 32 Reno, Nevada.
- Baldwin, C. T., Rush, R & Brint, J\*. 2002. Partially closed Aeolian/alluvial sedimentary systems on Mojave Desert alluvial fans. In: Lee, Jeffrey and Zobeck, Ted M., *2002 Proceedings of ICAR5/GCTE-SEN Joint Conference, International Center for Arid and Semiarid Lands Studies, Texas Tech University, Texas USA Publication 02-2ii* p.308
- Baldwin, C. T.,Rush, R, Brint J\*. Jones G. 2002.Up-slope driven Aeolian dunes on Mojave alluvial fans. *Proceedings, Texas Academy of Sciences 2002, SFA.*

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- Strother, P.K., Baldwin, C.T., Rose, E. & Beck, J. 2003. A study of the paleoecology of the Bright Angel Shale in the eastern Grand Canyon, AZ, USA based on an integration of sedimentological, ichnological and palynological data. *Proceedings of the Lyell Conference, Geological Society of London, London, UK.*
- Baldwin, C.T., Holik, L\* & Shanafeld, K\*. 2003. The internal structure and kinematics of production of the Paleozoic trace fossil *Arthropycus alleghaniensis*. *Proceedings, Texas Academy of Sciences 2003.*
- Howard, M.M.\* , Baldwin, C. T. & Rush, R. 2003. Study of change detection analysis for Lake Comoe watershed 1979-2000. *Proceedings, Texas Academy of Sciences 2003.*
- Baldwin, C.T. & Strother, P.K. 2004 The internal structure and kinematics of production of the Paleozoic trace fossil *Arthropycus alleghaniensis* and a possible non-trilobite trace maker. *Ichnia 2004*. April 2004, Museo Paleontologico Egidio Ferugio, Trelew, Patagonia, Argentina.