

## **CURRICULUM VITA - ANDREW C BENTLEY**

Ichthyology Collection Manager  
Specify Usability Lead  
University of Kansas Biodiversity Institute  
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### **HIGHER EDUCATION**

**MSc – Zoology;** The ecology of the sand dollar, *Echinodiscus bisperforatus*. University of Port Elizabeth, Port Elizabeth, South Africa. (1991 - 1996).

**BSc (Hons) – Zoology;** University of Port Elizabeth, Port Elizabeth, South Africa. (1990 - 1991).

**BSc (Zoology);** Majors - Zoology, Complementary Biological Sciences and Genetics. University of the Witwatersrand, Johannesburg, South Africa. (1985 - 1988).

### **EMPLOYMENT HISTORY**

University of Kansas Biodiversity Institute (Jan 2001 – present)

#### **Collections Manager – Ichthyology (75%); Specify Usability Lead (25%)**

Maintenance of fish collection; cataloging of collection material; shelving and retrieval of specimens; identification of material; loan activities; control of access to collection; ordering; control and security of curatorial supplies; management of curatorial staff; budget and report presentation and educational tours of collection facilities; maintenance, design and testing of Specify database and associated web accessibility; maintenance of ancillary collections – image, tissue and library collections; databasing and web accessibility of all collections; field collection of material for fish and tissue collection.

Awards & appointments:

- Chair of collection manager's forum (2002-2006, 2009)
- Ichthyology web page administrator
- Specify usability lead
- OSHA representative unit director

South African Institute for Aquatic Biodiversity (SAIAB) (Jan 1997 – Jan 2001)

Somerset Street, Grahamstown, 6140, South Africa

#### **Collections Manager - Ichthyology**

Maintenance of collection computer database (Fishnet); implementation, design, testing and maintenance of new Specify database; cataloging of collection material, shelving and retrieval of specimens; identification of material; loan activities; control of access to collection; ordering; control and security of curatorial supplies; management of curatorial staff; budgets and reports presentation and educational tours of collection facilities; maintenance of art, illustration, image, angling gear and library collections.

Awards & appointments:

- Occupational Health and Safety Officer
- IT manager
- Y2K representative
- Diving supervisor

University of Port Elizabeth (UPE) (1992)

Walmer Boulevard, Port Elizabeth, 6000, South Africa

#### **Laboratory technician - Zoology department**

Collection of material for and setting up of 2nd and 3rd year undergraduate laboratory practical classes. Graphic design for Zoology Department - presentations and publications and other artistic work such as conference booklets and letterhead design.

### Peer reviewed Publications

**Bentley, A. & Lara, K.** 2008. Inventario rápido de moluscos y crustáceos en Isla El Icacal, Departamento de La Unión, El Salvador. *SalvaNatura*. Pgs 1-20.

**Bentley, A. & Lara, K.** 2008. Inventario rápido de peces en Isla El Icacal, Departamento de La Unión, El Salvador. *SalvaNatura*. Pgs 1-49

**Bentley, A.** 2007. Shipping and handling of natural history specimens in dangerous goods. *Collection Forum* 22(1-2): 66-73.

**Bentley, A.** 2007. Shipping and Handling of Natural History Wet Specimens Stored in Fluids as "Dangerous Goods" – Hazardous Materials. National Park Service (NPS) Conserv-O-Gram No. 11/13. 4 pgs.

**Bentley, A.C.** 1998. Reproductive cycle and gonadal histology of *Echinodiscus bisperforatus* along the southern coast of South Africa. In: *Echinoderms, San Fransisco*. Mooi, R. & Telford, M. (eds.). Pgs 571-576.

**Bentley, A.C. & Cockcroft, A.C.** 1994. Sublittoral sand dollar (*Echinodiscus bisperforatus*) communities in two bays on the South African south coast. *South African Journal of Zoology* Vol. 30(1): 5-17.

**Bentley, A.C. & Cockcroft, A.C.** 1994. Sand dollar (*Echinodiscus bisperforatus*) distribution and abundance in South Africa - implications for conservation and legislation.' *South African Journal of Science* Vol. 91: 38-40.

### Conference presentations

Northeast Herbarium Network Conference –Specify 6: An Evolutionary new Beginning. **Bentley, A.**, Yale University, New Haven, CT. 2009. (Oral).

67<sup>th</sup> Annual meeting of the Association of Southeastern Biologists –Specify 6: An Evolutionary new Beginning. **Bentley, A.**, Birmingham, AL. 2009. (Oral).

Northeast Herbarium Network Conference –Specify 5: A usability release. **Bentley, A.**, Yale University, New Haven, CT. 2006. (Oral).

Botany 2006 meeting – Specify 5: A usability release. **Bentley, A.**, Chico, CA. 2006. (Oral).

64<sup>th</sup> Annual meeting of the Association of South Eastern Biologists –Specify 5: A usability release. **Bentley, A.**, Gatlinburg, TN. 2006. (Oral).

21<sup>st</sup> Annual Conference of the Society for the Preservation of natural History Collections –Hazardous materials shipping. **Bentley, A.**, Albuquerque, New Mexico. 2006. (Oral).

21<sup>st</sup> Annual Conference of the Society for the Preservation of Natural History Collections –Specify 5.0 – A usability release. **Bentley, A. & J. Beach.**, Albuquerque, New Mexico. 2006 (Oral).

14<sup>th</sup> Annual Conference of the Society for the Preservation of Natural History Collections, The JLB Smith Institute ichthyology collection: a new exciting future. **Bentley, A.**, Washington, DC. 1999. (Oral).

13<sup>th</sup> Annual Conference of the Society for the Preservation of Natural History Collections, - The JLB Smith Institute ichthyology collection: past, present and exciting future." **Bentley, A.**, Edmonton, Canada, 1998. (Oral).

Conference on Aquatic Ecosystems - Ecology of the sand dollar, *Echinodiscus bisperforatus*. **Bentley A. & A. McLachlan**. Cape Town, South Africa. 1992. (Oral).

Zoological Society of SA - Conservation of the South African sand dollar, *Echinodiscus bisperforatus*. **Bentley, A. & A. C. Cockcroft**. Stellenbosch, South Africa. 1991. (Oral).

32nd Japanese Society of Systematics and Zoology - On the systematic features of *Echinodiscus tenuissimus* from the Amami Islands, southern Japan. Tominaga, H., **Bentley, A.** and Kobayashi, N. Japan. 1996. (Oral).

9th International Echinoderm Conference - Reproductive cycle and gonadal histology of *Echinodiscus bisperforatus*. **Bentley, A.** San Fransisco, August 1996 (Oral).

### **Contract work**

A faunal survey (Fishes and Invertebrates) of the estuarine system at El Icacal, La Union Province, El Salvador. **Bentley, A. & Lara, K.** 2008.

Consolidated Diamond Mines (CDM). Effects of Diamond Mine Fine Tailings on Sandy Beaches in the Elizabeth Bay Area, Namibia. McLachlan A., **A. Bentley**, R. Nel, R. Sims & D. Schoeman. 1994.

A review of the fauna and flora of the southern Transkei coastline. Institute for Coastal Research. **Bentley, A. & L. McGwynne.** 1993.

### **Non-peer reviewed articles**

**Bentley, A.** 2008. Shipping and handling of natural history specimens in dangerous goods. ICOM-CC Natural History Working Group Newsletter 16: 3-7.

**Bentley, A.** 2007. Shipping and handling of natural history specimens in dangerous goods: a US perspective. *NatSCA News* 13: 7-10.

**Bentley, A.** 2004. Thermal Transfer Printers – Applications in Wet Collections. *SPNHC Newsletter*. Vol 18, No. 2 1-4.

**Bentley, A.** 1994. Tagging the pansy shell. Country life magazine No. 2.

**Bentley, A.** 1994. Tagging and recording of sand dollars. Getaway Magazine

**Bentley, A.** 1994. Tagging 'sand dollars'. Weekend Argus Newspaper.

**Bentley, A.** 1992. Conservation of the South African sand dollar. Endangered Wildlife Trust magazine No. 9.

**Bentley, A.** 1991. At last a study of the popular pansy shell. The Naturalist Volume 35(1).

### **Workshops**

#### Specify 6 training:

- Intermountain Herbaria, Utah State University, Logan, UT. April 2009.
- SERNEC, Birmingham, AL. April 2009.

#### Specify 5 training:

- University of Puerto Rico, Mayaguez, Puerto Rico. August 2008.

- San Juan College, Farmington, NM. June 2008.
- University of San Diego, San Diego, CA. June 2008.
- Louisiana State University, Baton Rouge, LA. November 2007.
- SERNEC, East Tennessee State University, Johnson City, TN. October 2007.
- University of New Hampshire, Durham, NH. May 2007.
- University of Minnesota, Bell Museum, St. Paul, MN. May 2007.
- Arkansas Flora Project, Russellville, AR. April 2007.
- California Academy of Sciences, San Francisco, CA. April 2007.
- Kansas State University, Manhattan, KS. January 2007.
- University of Nebraska, Lincoln, NE. October 2006.
- Sam Noble Museum of Natural History, Norman, OK. August 2006.
- California Academy of Sciences (CAS). July 2006
- UC Berkeley and Jepson Herbarium, San Francisco, CA. July 2006.
- Chicago Nature Museum, Chicago, IL. April 2006.
- California Academy of Sciences (CAS), San Francisco, CA. January 2006.
- National Institute of Water and Atmospheric Research (NIWA), Wellington, New Zealand. March 2005
- South African Institute for Aquatic Biodiversity (SAIAB), South Africa. September 2004

### **Organization membership and appointments**

Kansas African Studies Center, University of Kansas

- Affiliate Faculty

American Society of Ichthyologists and Herpetologists (ASIH).

- Member – Collections Committee – Supplies and Practices

Society for the Preservation of Natural History Collections (SPNHC).

- Member-at-large (2008-2010)
- Editor – SPNHC newsletter (2002-present)
- Chair – Subcommittee on extraction of DNA from formalin fixed specimens
- Member – Publications Committee
- Member – Grants and Scholarships sessional committee
- Member – Long Range Planning sessional committee
- Member – Treasurer evaluation sessional committee

Natural Science Collections Alliance (NSCA).

Lawrence Adult Soccer league (LASL).

- Board member
- Club and Recreational League coordinator
- Webmaster

### **SKILLS AND EXPERIENCE**

Bioinformatics/database and web design:

- Experience in hardware setup and repair.
- Database design and utility with special emphasis on natural history database applications in Access, SQL server and MySQL.
- Specify collection management software usability and design.
- Network setup and utility.
- Software – Mac, Linux, Windows, MS Office suite, Adobe Photoshop, GIS software (Arcview, TNTMips), networking and HTML homepage design.

Database administrator:

- Administer, repair, test and upgrade SAIAB Specify database. January 2001 to November 2003.

- KUNHM database specialist – setup of database utilities and web accessibility for individual divisional Specify databases.

Geographical Information Systems:

- An Introduction to GIS for Earth and Life Sciences; GEODATEC, Grahamstown, South Africa: TNTMips

Research and field work:

- Fish identification; sub- and intertidal fish and tissue collections using rotenone on SCUBA for SAIAB and KUNHM (South Africa, Namibia, Seychelles, Saipan, El Salvador, United States).
- Research vessel trawl collections (NMFS Gulf cruise).
- Invertebrate research and identification.
- Assisted with projects associated with the Zoology Department, University of Port Elizabeth involving collection of specimens and data from the entire spectrum of habitats – terrestrial and marine – sub-tidal and surf-zone, beach, estuary and rocky shore.

Teaching experience:

- University of Kansas Museum studies – Topics in Curation and Collection Management (MUSE 710) - Fall 2002, 2003 and 2008.
- University of Port Elizabeth, Port Elizabeth, South Africa 2nd and 3rd year undergraduate laboratory practical classes. 1992

SCUBA certification:

- Nitrox Diver, Durban, South Africa (1999)
- Scientific Divers Course (Class IV - Supervisor), Port Elizabeth, South Africa (1994)
- Scientific Divers Course (Class IV), Port Elizabeth, South Africa (1991)
- Openwater I, Johannesburg, South Africa (1988)

Skipper's certification:

- Diving boat skipper (Class A III (1)), Port Elizabeth, South Africa (1990)

First Aid certification:

- St. John's Ambulance First Aid Level 1, Port Elizabeth, South Africa (1991)