

## TEXAS STATE VITA

### I. Academic/Professional Background

A. Name: Anthony B. Bosworth

Title: Ph.D.; BCE (Retired)

#### B. Educational Background

Degree	Year	University	Major	Thesis/Dissertation
Ph.D	1980	Texas A & M	Medical Entomology	The chorionic morphology of eggs of the <i>Psorophora confinnis</i> Complex in the United States
M.S.	1969	Oklahoma State	Medical Entomology	Some effects of cadmium compounds on ovarian development in <i>Culex quinquefasciatus</i> (Say) (Culicidae:Diptera)
B.S.	1967	Oklahoma State	Forestry	N/A

#### C. University Experience

Position	University	Dates
Visiting Professor	University of Brasilia	Nov 80-July 85
Adjunct Faculty	Texas State University – San Marcos	Jan 07, May 08
Senior Lecture, Functional Biology Lab Coordinator (Bio 1430)	Texas State University – San Marcos	Aug 09 - Current

#### D. Relevant Professional Experience

Position	Entity	Dates
Associate Professor	Uniformed Services University of Health Sciences, AFIP – Washington, DC	1977
Lecturer	Tropical Medicine Course, Walter Reed Army Institute of Research	1973-79
Instructor	Academy of Health Science, Ft Sam Houston, TX	1985-89
Teacher	MacArthur High School, San Antonio	1993-2005
Teacher	NEISD Community Education, San Antonio	1997-2003

## II. TEACHING

### A. Teaching Honors and Awards:

MacArthur High School Teacher of the Year, 2005; Finalist for North East Independent School District High School Teacher of the Year for 2006

North East Independent School District selection for the Trinity Prize for Excellence in Teaching, 2004-5

MacArthur High School Nomination for the Trinity Prize for Excellence in Teaching, 2004-5

MacArthur High School Teacher of the Year, 1997; Finalist for North East Independent School District High School Teacher of the Year for 1998

B. Courses Taught:

GS 3320, Bio 1421, Bio 1320, Medical Zoology, Medical Entomology (Collegiate Level)  
Biology I, Biology II (AP), Microbiology, Molecular Genetics (High School Level)

C. Graduate Theses/Dissertations or Exit Committees (if supervisor, please indicate):

None

D. Courses Prepared and Curriculum Development:

Medical Zoology, Medical Entomology (Collegiate Level)  
Microbiology, and Molecular Genetics (High School Level)

E. Funded External Teaching Grants and Contracts:

None

F. Submitted, but not Funded, External Teaching Grants and Contracts:

None

G. Funded Internal Teaching Grants and Contracts:

None

H. Submitted, but not Funded, Internal Teaching Grants and Contracts:

None

I. Other:

None

**III. SCHOLARLY/CREATIVE**

A. Works in Print

1. Books (if not refereed, please indicate)

a. Scholarly Monographs:

None

b. Textbooks:

None

## c. Edited Books:

None

## d. Chapters in Books:

Bosworth, A.B. and P.D. Marsden. 1984. Injurious Arthropods. p.815-833. In Hunter's Tropical Medicine, 6th Ed., ed. G.T. Strickland. W.B. Saunders, Philadelphia

## e. Creative Books:

None

## 2. Articles

## a. Refereed Journal Articles

Bosworth, A.B., S.M. Meola, M. Thompson, and J.K. Olson. 1997. The chorionic morphology of eggs of the *Psorophora confinnis* Complex in the United States. II. Predeposition and post-deposition studies of *Psorophora columbiae* (Dyar and Knab) Eggs. Journal of the American Mosquito Control Association

Garcia-Zapata, M.T., D.Birgens, V.A. Soares, A. Bosworth, and P.D. Marsden. 1985. House invasion by secondary triatomine species in Mambai, Goias-Brazil. Letter to the Editor. Revista da Sociedade Brasileira de Medicina Tropical. 18(3): 199-201.

Penna, R., A. Bosworth, I.P. Brasil, and P.D. Marsden. 1984. Persistencia da atividade residual do BHC na superficie de diferentes materiais de construcao. Revista da Sociedade Brasileira de Medicina Tropical. 17(2): 95-99.

Bosworth, A.B., J.K. Olson, and S.M. Meola. 1983. The chorion morphology of eggs of the *Psorophora confinnis* Complex in the United States. I. Taxonomic considerations. (Diptera: Culicidae). Mosquito Systematics. 15: 285-309.

Bosworth, A.B., Imogene Schneider and Jerome Freier. 1975. Mass isolation of *Anopheles stephensi* salivary glands infected with malarial sporozoites. J. Parasitol. 61(4): 769-772.

Bosworth, A.B., H.G. Raney, E.D. Sturgeon, R.D. Eikenbary. 1971. Population trends and location of spiders in loblolly pines, with notes of predation on the *Rhyacionia* Complex (Lepidoptera: Olethreutidae). Ann. Entomol. Soc. Amer. 64: 864-70.

Bosworth, A.B., H.G. Raney, R.D. Eikenbary, and N.W. Flora. 1970. Nocturnal observations of spiders in loblolly pines at Haworth, Oklahoma. J. Econ. Entomol. 63: 297-8.

b. Non-refereed Articles:

Bosworth, A.B., R.D. Eikenbary, N.W. Flora, and E.E. Sturgeon. 1969. Field key to beetles in pines. OSU Extension Facts No. 7164, Stillwater, 4p.

Bosworth, Tony. "The Department of Defense Against Ticks," 3-part series. U.S. Army Health Services Command News Service, May 1990.

Bosworth, Tony. "The Sting." U.S. Army Health Services Command News Service, May 1990.

Bosworth, Anthony. "Ants." U.S. Army Health Services Command News Service, May 1991.

Bosworth, Anthony. "Fleas, Fleas, Fleas." U.S. Army Health Services Command News Service, September 1991.

Bosworth, Tony. "Head Lice." U.S. Army Health Services Command News Service, November 1991.

Bosworth, Tony. "Honey Bees." U.S. Army Health Services Command News Service, March, 1992.

Bosworth, Tony. "Culicidology: Basic Level" U.S. Army Health Services Command News Service, August 1992.

3. Abstracts:

None

4. Reports:

None

5. Book Reviews:

None

6. Other:

Bosworth, A.B., and J.A. Mutch. 1970. Venomous Animals. Arthropods. BAMC-TV File 274, 32.40.

## B. Works not in Print

### 1. Papers Presented at Professional Meetings:

Bosworth, A.B. 1985. Aspectos dos voos direcionais do *Anopheles darlingi* em Floresta do Rio Ituxi, Amazonas. XXI. Congresso da Sociedade Brasileira de Medicina Tropical. Sao Paulo, 3 a 8 Fevereiro de 1985.

Bosworth, A.B. e J.B.P. Lima. 1985. O habitat e o comportamento dos *Anopheles darlingi* Root imaturos em Floresta no Rio Ituxi, Amazonas. XXI. Congresso da Sociedade Brasileira de Medicina Tropical. Sao Paulo, 3 a 8 de Fevereiro de 1985.

Bosworth, A.B., J. Bento, S. Hembree and A. Prata. 1984. Habitat and behavior of *Anopheles darlingi* (Root) immatures in some remote areas in Brazil. 40th Annual meeting of the American Mosquito Control Association, Toronto, Canada.

Penna, R., P.D. Marsden, A. Bosworth, C. Johnson, A.E.X. Oliveira and M.F.N. Ferreira. 1984. Influencia da umidade na acao residual do BHC (Influence of humidity on the residual activity of BHC). XX Congresso da Sociedade Brasileira de Medicina Tropical; I congresso da Sociedade Latino-Americana de Medicina Tropical 5-9 Fev.

Bosworth, A.B. 1983. Aspects of the directional flight of *Anopheles darlingi* mosquitoes at Floresta, Amazonas. 39th Annual Meeting of the American Mosquito Control Association, Lake Buena Vista, Florida.

Bosworth, A.B., S.M. Meola, and J.K. Olson. 1980. Observations of oviposition behavior of *Psorophora columbiae* (Dyar and Knab) mosquitoes and functions of the chorion of deposited eggs. 36th Annual Meeting of the American Mosquito Control Association, Salt Lake City, Utah, April, 1980.

Bosworth, A.B., S.M. Meola and J.K. Olson. 1979. Observations on the function of the chorion of *Psorophora columbiae* (Dyar and Knab) eggs. 22nd Annual Meeting of the Texas Mosquito Control Association, Beaumont, Texas.

Bosworth, A.B., J.K. Olson and S.M. Meola. 1979. The chorion of *Psorophora columbiae* (Dyar and Knab) before and after oviposition. 35th Annual Meeting of the American Mosquito Control Association, Washington, D.C.

Bosworth, A.B., J.K. Olson and S.M. Meola. 1978. Scanning electron microscopy of the egg surface of *Psorophora columbiae*. 21st Annual Meeting of the Texas Mosquito Control Association, October 25, Brownsville, Texas.

Hockmeyer, W.T., A.B. Bosworth, I. Schneider, S.M. Phillips and F.E. Hemphill. 1976. T-cell dependence of sporozoite-induced immunity in mice. Amer. Soc. Microbiol. Abs. Ann. Meeting, p.86.

Bosworth, A.B., Imogene Schneider and Jerome Freier. 1975. Mass isolation of *Anopheles stephensi* salivary glands. Proceedings AMCA and NJ Mosq. Control Assoc. Ann. meeting, Atlantic City, p. 150.

Bosworth, A.B. and I. Schneider. 1974. Immunization attempts using irradiated sporozoites of *Plasmodium cynomolgi*. Tri-Service Entomology Training Conference, San Antonio, Texas.

Bosworth, A.B., and H.G. Raney. 1968. Spider population trends in two loblolly plantations. ESA National Meeting, Dallas

## 2. Invited Talks, Lectures, Presentations:

Bosworth, A.B. 1992. Predeployment Health Training. Symposium on Roles of Military Entomologists in Operations Desert Shield and Desert Storm. Annual Meeting of the Entomological Society of America, December 8, 1992.

Bosworth, A.B. and R. Crumpton. 1992. Military Entomology as a Career. Seminar for Careers in Entomology, Texas A & M University, College Station, December 3, 1992.

Bosworth, A.B. 1992. Amazonas: Socio-economic observations while doing mosquito research. Our Lady of the Lake University (Biology Seminar), San Antonio, TX, December 1, 1992.

Bosworth, A.B. 1992. Military Entomology and Field Operations. 36th Annual Meeting of the Texas Mosquito Control Association, October 15, 1992.

Bosworth, A.B. 1992. Preventive Medicine Concerns during Desert Shield/Desert Storm Operations. Conference of Public Health Laboratory Directors of Texas. 36th Annual Meeting. Austin, TX, June 11, 1992.

Bosworth, A.B. 1992. Medical Entomology and Vector Control. Texas Environmental Health Association (14-15 March), Guest Speaker, Beaumont, TX, March 14, 1992.

Bosworth, A.B. 1992. U.S. Army Preventive Medicine Capabilities. Special Operations Forces Preventive Medicine Conference. U.S. Special Operations Command, MacDill Air Force Base, FL, 11 March 1992.

Bosworth, A.B. 1992. Entomology Briefing. Annual MEDCEN Preventive Medicine Chiefs Conference 24-27 February, San Antonio, TX, 26 February 1992.

Bosworth, A.B. and R.B. Boykins. 1991. Military Entomology as a Career. Seminar for Careers in Entomology, Texas A & M University, College Station, December 10, 1991.

Bosworth, A.B. 1991. Activities and Concerns of a Medical Entomologist from a Military Perspective. Department of Entomology Seminar, Texas A & M University, College Station, November 14, 1991.

Bosworth, A.B. 1991. Preventive Medicine Concerns during Desert Shield/Storm Operations. Keynote Address, Texas Mosquito Control Association, Houston, 1 October 1991.

Bosworth, A.B. 1991. Preventive Medicine: TQM for Soldier Readiness. Preventive Medicine Specialist Course, 322-91S10, Graduation Speaker, Academy of Health Sciences, 17 May 1991.

Bosworth, A.B. 1990. Preventive Medicine: TQM for Soldier Readiness. Principles of Military Preventive Medicine Course, 6A-F5, Graduation Speaker, Academy of Health Sciences, 4 May 1990.

Bosworth, A.B. 1990. Military Entomology in the Amazon Basin. Global Medicine Course. Guest Speaker, USAF School of Aerospace Medicine, Brooks Air Force Base, Feb 1990.

Bosworth, A.B. 1990. Entomology Responsibilities in MEDDAC/MEDCENS. Biennial Army Medical Entomology Training Course. San Antonio, 6 February 1990.

Bosworth, A.B. 1987. Life in the Interior of the Amazon. Leadership Call, Blesse Auditorium, Academy of Health Sciences, 26 May 1987.

### 3. Consultancies:

Consultant for the Science Coordinator, North East Independent School District, current  
Member of the Mitchell Lake Wetlands Society Science Committee, San Antonio, 2002-5

Member of the Credentialing/Membership Committee, Alamo Chapter of Sigma Xi, San Antonio, 1993-94  
 Co-sponsor of Science Club, MacArthur High School, San Antonio, 1993-2005  
 Member of the Validation Committee for Board Certified Entomologists in the category of Medical and Veterinary Entomology, Entomological Society of America, 1992-94  
 Vice-chairman of the Armed Forces Pest Management Board (AFPMB), Washington, D.C., 1993  
 Vice-chairman of the Research Committee, AFPMB, 1991-93  
 Member of the Office of the Surgeon General Working Group on Army Entomology, 1989-93  
 Member of the Scientific Advisory Panel for MacArthur High School, San Antonio, 1989-94  
 Chairman, Information Transfer ad hoc Committee, AFPMB, 1989-93  
 Vice-chairman, Contingency Advisory Group, AFPMB, 1989-91  
 Member of the Repellents Committee and Research Committee, AFPMB, 1988-93  
 Chairman, Training and Certification Committee, AFPMB, 1988-89  
 Entomology Consultant for the Health Services Command, Fort Sam Houston, San Antonio, Texas, 1988-93  
 Member of the Board of Directors of the American School of Brasilia, 1982-1984; and Secretary of the Board, 1983-84  
 Consultant in Medical Entomology, World Health Organization, 1981-85

#### 4. Workshops:

Bosworth, A.B. 1989. Status and Future of Military Entomology. 19th Environmental Science and Engineering Practices Workshop. Fitzsimons Army Medical Center, Aurora, CO., 7 June 1989.

Bosworth, A.B. 1987. Overview of Training in Entomology at the Academy of Health Sciences, with emphasis on changes in 91S, 68G, and pest controller training. Environmental Entomology and Pesticides Workshop, U.S. Army Environmental Hygiene Agency, Edgewood, MD, 20-24 April 1987.

#### 5. Other:

Texas Teacher Certifications in Generic Special Education (Grades PK-12) issued in 1994, in Secondary Biology (Grades 06-12) issued in 1995, and in Secondary Science Composite (Grades 06-12) issued in 1995.

Board Certified Entomologist (BCE) with the Entomological Society of America, since 1971. Emeritus status since January 2005

C. Grants and Contracts

1. Funded External Grants and Contracts:

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2. Submitted, but not Funded, External Grants and Contracts:

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3. Funded Internal Grants and Contracts:

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4. Submitted, but not Funded, Internal Grants and Contracts:

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D. Fellowships, Awards, Honors:

**IV. SERVICE**

A. University:

None

B. Departmental:

None

C. Community:

Certificate of Recognition for support of Scouting in the National High Adventure Program, Alamo Area Council, Boy Scouts of America, 1995

D. Professional:

None

## E. Organizations

## 1. Honorary:

None

## 2. Professional:

American Society of Tropical Medicine and Hygiene, since 1974 (Emeritus)  
 Entomological Society of America, since 1968 (Emeritus)  
 American Mosquito Control Association, since 1968 (Emeritus)

## F. Service Honors and Awards:

Legion of Merit from the Secretary of the Army for 10 years of exceptional meritorious service as a military entomologists, 1994  
 "A" Proficiency Designator in Entomology in recognition of the highest professional accomplishment within the Army Medical Department, 1992  
 Army Commendation Medal for service as project coordinator for the Directorate of Clinical Services to develop Medical Service Action Plans during Base Realignment and Closure, from the Commanding General, Health Services Command, 1992  
 Army Achievement Medal for managing the health risk appraisal budget for the Health Promotion Program of the Health Services Command, Fort Sam Houston, TX, 1990  
 Meritorious Service Medal for service as branch chief and instructor at the Academy of Health Sciences, Fort Sam Houston, TX, 1985-89  
 Meritorious Service Medal for service as section chief and research entomologist in Brasilia, Brazil, 1980-85  
 Expert Field Medal Badge, Fort Sam Houston, TX, 1976  
 Army Commendation Medal for service as a research entomologist, Walter Reed Army Institute of Research, 1972-75  
 Army Commendation Medal for service as the Commanding Officer, 5th Preventive Medicine Unit (SVC) (FLD) Korea, 1971-72  
 Army Commendation Medal for service as Instructor, Entomology Department, Medical Field Service School, 1969-71  
 Distinguished Military Graduate, OSU, 1967  
 Reserve Officers' Association Award, OSU, 1967  
 Outstanding Senior in Forestry, OSU, 1967

Phi Kappa Phi, OSU, 1967  
Outstanding Junior in Forestry, OSU, 1966  
Distinguished Military Student, OSU, 1966  
Phi Sigma Society, OSU, 1966  
Alpha Zeta, OSU, 1965