

RESOLUTION

WHEREAS, the 81st Regular Session of the Texas Legislature passed H. B. 4004, signed into law by the Governor of Texas May 23, 2009 which amended Texas Government Code Section 1502.070 to provide that the management and control of a utility system may be vested in a board of trustees consisting of not more than seven members, one of whom must be the Mayor of El Paso;

WHEREAS, Ordinance No. 017167 passed and approved by the City Council on August 11, 2009, increased the composition of the El Paso Water Utilities Public Service Board from five (5) to seven (7) members;

WHEREAS, by Resolution dated August 11, 2009, the City Council of the City of El Paso established the El Paso Water Utilities Public Service Board Selection Committee, which met on October 19, 2009 and provided a list of candidates to fill the two newly created positions and two vacancies on the Board.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF EL PASO:

That the City of El Paso hereby appoints the following members to the El Paso Water Utilities Public Service Board for each category as follows:

1. Financial Management _____
2. Environmental or Health _____
3. Communications, Public
Administration or Education _____
4. Consumer or Citizen Advocacy _____

The term for each appointment shall commence on January 1, 2010. At the first regularly scheduled PSB meeting of 2010, the four (4) members appointed to the PSB by this Resolution shall draw lots to determine the length of their respective term of office.

In accordance with the City Council Resolution adopted on August 11, 2009, one new PSB member will have an initial two (2) year term of office and the other three will have four (4) year terms of office. Thereafter, each PSB member term will be four (4) years. The member who draws the lot for a two (2) year term will be ineligible for reappointment after serving six (6) consecutive years unlike the others who are eligible to serve two (2) consecutive terms of four (4) years each.

APPROVED THIS _____ DAY OF NOVEMBER 2009.

THE CITY OF EL PASO

John F. Cook, Mayor

ATTEST:

Richarda Duffy Momsen
City Clerk

APPROVED AS TO FORM:

Sylvia Borunda Firth
Senior Assistant City Attorney



EDMUND G. ARCHULETA, P.E.

MEMORANDUM

TO: Sylvia Borunda Firth, Director of Governmental Affairs
Chief of Staff Office of the Mayor

FROM: Edmund G. Archuleta, P.E.
President/CEO

A handwritten signature in black ink, appearing to read "Ed Archuleta", with a long horizontal line extending to the right.

SUBJECT: PSB Selection Committee
Nomination of Candidates for PSB Members

DATE: October 20, 2009

The Public Service Board Selection Committee met on October 19, 2009, and approved the nomination of the following three candidates for each of the current categories for selection by City Council. There were 35 applications received for the four advertised positions. The following individuals were ranked by the Committee for each category as follows:

Financial Management

1. Edward Escudero
2. Albert Apodaca
3. Raymond Ponteri

Environmental or Health

1. Richard T. Schoephoerster
2. Patrick Tarwater, PhD
3. John Walton, PhD

Communications, Public Administration or Education

1. Ruth Katherine Brennand
2. Andy Saucedo
3. Richard T. Schoephoerster

Consumer or Citizen Advocacy

1. Richard C. Bonart, DVM
2. Robert A. Ardovino
3. Mona Goldberg

Memorandum
October 20, 2009
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The individuals selected by City Council will fill the position held by Mr. Guerra, who recently resigned and was under the Financial Management category; the two newly created vacant positions under HB No. 4004 and City Ordinance No. 017167 under the Environmental or Health and Communications, Public Administration or Education categories; and the vacancy that will occur when Vice Chair Fermin Acosta's second term ends on December 31, 2009 under the Consumer or Citizen Advocacy category.

Please have this item, as a request from the Mayor, placed on the next available City Council agenda. Attached are biographical sketches for each candidate.

If you have any questions or need further information, please let me know.

:pla

Attachments

cc: Mayor and City Council Representatives
Public Service Board
Joyce Wilson, City Manager
Richarda Momsen, City Clerk
Robert Andron, PSB General Counsel

Edward Escudero, CPA

J

September 18, 2009

Ms. Paula Apodaca, Consumer Affairs Officer
El Paso Water Utilities
1154 Hawkins Boulevard
El Paso, TX 79925

Dear Ms. Apodaca:

I am writing in response to your advertisement for the El Paso Water Utility Financial Management Board position. After reading your job description, I am confident that my skills and my passion for finance are a perfect match for this position.

I would bring to the EPWU a broad range of skills, including:

- Over 16 years of financial experience at various Texas corporations at the executive level.
- Extensive leadership experience in managing multiple worksites and negotiation of terms of recapitalization securities, filings with SEC, and working with company Board of Directors.
- Highly successful in the areas of finance management, accounting, auditing, budgeting/forecasting, systems, etc.
- Over 10 years of experience serving on various boards/community service in El Paso.

I would welcome the opportunity to further discuss this position with you. If you have questions or would like to schedule an interview, please contact me by phone at _____ or by e-mail at _____. I have enclosed my bio and resume for your review, and I look forward to hearing from you.

Sincerely,



Edward Escudero, CPA

Enclosure

Edward Escudero, CPA

Edward Escudero is President and CEO of Sierra Finance, a finance company that specializes in providing various types of capital alternatives to small companies. Ed is also the Vice-President and CFO of C&R Distributing, a major distributor of fuel and lubricants and owner of various convenience stores in West Texas and Southern New Mexico. Prior to his current positions, he was the Secretary and CFO of Petro Stopping Centers, L.P. During his tenure, Petro grew to have locations in over 34 states and sales of over \$2 Billion. He held the vital role of managing various departments such as Accounting, Legal, Human Resources, Audit, Financial Planning, and Information Systems, among others. In 2007, Ed was instrumental in assembling the sale of Petro for over \$700 million.

Ed is community minded and serves on several boards including Texas State Securities Board, Medical Center of the Americas Foundation, YWCA Foundation of El Paso, El Paso Hispanic Chamber of Commerce, and University of Texas at El Paso (Internal Audit Committee).

Ed is also a member of several associations, including the American institute of Certified Public Accountants, Texas Society of Certified Public Accountants, and the El Paso Chapter of the Texas Society of Certified Public Accountants. He received his B.B.A. in Accounting from the University of Texas at El Paso. He and his wife, Margie, live with their two children in El Paso, Texas.

EDWARD ESCUDERO, CPA

Texas 79902; f

CAREER ACHIEVEMENTS

PETRO STOPPING CENTERS, L.P.

- Instrumental in facilitating sale of Petro Stopping Centers, L.P. to TravelCenters of America LLC for \$725 million.
- Successfully raised \$200 million in IPO for TravelCenters of America LLC.
- Led Petro Stopping Centers, L.P. through a recapitalization transaction consisting of the issuance of \$250 million in bonds, syndication of \$60 million credit facility and exchange of certain other notes for more favorable notes. Responsibilities included negotiation of terms of recapitalization securities, road show presentations, draft documents for filing with Securities and Exchange Commission and make recommendations to Board of Directors.
- Advisor for a \$9 million system project to upgrade or replace ERP system for Petro Stopping Centers, L.P. (restaurants, truck maintenance centers, petroleum and merchandise retail and convenience stores).
- Led all efforts to centralize accounts payable functions at 35 Petro:Lube locations.
- Participated in recapitalization of Petro Stopping Centers, L.P. which included issuance of in excess of \$100 million public bonds, syndication of \$125 million credit facility as well s draft documents with the Securities and Exchange Commission.
- Managed Year 2000 readiness for all accounting systems (JDEdwards, RMS/PDI and MaddenCo).
- Managed all efforts to upgrade JDEdwards financial modules at Petro Stopping Centers, L.P.

YAZAKI NORTH AMERICA-EL PASO

- Advisor to internal control project designed to expedite procurement of materials for plants located in Mexico, facilitate import and export requirements, and maintain online inventory balances for 23 facilities located in Mexico and the United States.
- Led successful QS9000 registration three months ahead of schedule.
- Installed JDEdwards financial modules increasing productivity and reducing the number of days required to release financial statements by five.
- Established accounts receivable and credit and collections process for \$35 million monthly sales operation.
- Redesigned processes used in the following areas: accounts payable, fixed assets, and general ledger allowing Yazaki North America-El Paso to take advantage of discounts, improving control of assets held in Mexico and standardizing accounting policies.
- Designed and implemented internal controls over contract review, inventory control, capital expenditures, credit and collections, accounts receivable and accounts payable.

EDWARD ESCUDERO, CPA
El Paso, Texas 79902; (915) 771-1111

CAREER EXPERIENCE

SIERRA FINANCE, LLC (2008-PRESENT)

President and Chief Executive Officer (Partner):

- Responsible for all functions within the company.

C&R DISTRIBUTING INC. (2008-PRESENT)

Secretary and Chief Financial Officer:

- Responsible for all accounting, financial, legal, risk management, information systems and human resource functions within the company.
- Responsible for final negotiation on acquisitions and new developments.

PETRO STOPPING CENTERS, L.P. (1999- 2008), ANNUAL REVENUE \$2.5 BILLION

Secretary and Chief Financial Officer:

- Responsible for all accounting, treasury, internal audit, financial planning, legal, risk management, information systems and human resource functions within the company.
- Responsible for final negotiation on acquisitions and new developments.
- Primary contact for all investors, bondholders and other creditors.
- Serve as Secretary to Board of Directors and present all financial information to the Board.
- Mentor and develop 10 management employees and 80 supporting staff employees.

Vice-President of Finance and Corporate Controller:

- Responsible for monthly internal financial and quarterly and annual regulatory reporting to the Securities and Exchange Commission.
- Responsible for all accounting, credit and accounts payable operations.
- Mentor, train and develop management employees and supporting staff.
- Develop and implement financial and operational controls.
- Initiate and manage efforts to improve systems.
- Tax and accounting treatment research, interpretation and implementation.

YAZAKI NORTH AMERICA-EL PASO (1993-1999)

Controller/Internal Audit Manager:

- Responsible for all monthly financial reporting to internal management and external agencies.
- Managed all aspects of the QS9000 implementation and maintenance.
- Managed QS9000 internal audits, corrective action, and continuous improvement programs.
- Managed internal audit functions.
- Responsible for the coordination and completion of special projects including organizational changes, software implementation at other sites, special financial reports and U.S. Customs audits.

EDUCATION

B.B.A. in Accounting from the University of Texas at El Paso (1992)
Certified Public Accountant

PROFESSIONAL ASSOCIATIONS

American Institute of Certified Public Accountants
Texas Society of Certified Public Accountants
El Paso Chapter of the Texas Society of Certified Public Accountants

BOARDS/COMMUNITY SERVICE

Boards:

Texas State Securities Board
Medical Center of the Americas Foundation

Community:

Board of Trustees-YWCA Foundation of El Paso
Board of Directors-El Paso Hispanic Chamber of Commerce

Albert Apodaca
El Paso, Texas 79912

September 21, 2009

Paula Apodaca
Consumer Affairs Officer
El Paso Water Utilities
1154 Hawkins Blvd.
El Paso, TX 79925

Dear Ms. Apodaca:

As a Certified Public Accountant with experience in multiple business fields, I am uniquely qualified for a position on the Public Service Board.

Please consider me for the following categories:

- financial management
- consumer or citizen advocacy

The opportunity to be a member of the Public Service Board would allow me to utilize my skills to serve our community.

Sincerely,

Albert Apodaca

Albert Apodaca, CPA

El Paso, Texas 79912

(915)

PROFESSIONAL EXPERIENCE

1995 – Present	Apodaca, P.C., CPA Firm <i>President/CPA</i>
1988 – 1995	Apodaca Jensen & Co., CPA Firm <i>Partner/CPA</i>
1985 – 1988	KPMG, CPA Firm Tax Specialist/CPA
1985 – 1986	University of Texas El Paso <i>Graduate Assistant</i>

EDUCATION

University of Texas El Paso
Bachelor of Business Administration
Masters of Accountancy

CPA - 1987

COMMUNITY INVOLVEMENT

Current

Chairman of the Supervisory Committee - El Paso Employees Federal Credit Union
Member of the American Institute of Certified Public Accountants
Member of the Texas Society of Certified Public Accountants

Past

Appointed by Governor Anne Richards to serve on the Small Business
Stationary Source Assistance Program Compliance Panel in 1994

Treasurer Coronado Country Club

AWARDS

Outstanding Ex-Student Canutillo High School - 1997

El Paso, Texas 79912
September 15, 2009

PSB Selection Committee
CO Paula Apodaca, Consumer Affairs Officer
El Paso Water Utilities
1154 Hawkins Blvd.
El Paso, Texas 79925

Dear Ms. Apodaca;

Please find attached my resume. I am interested in being considered for the Public Service Board opening in the Financial Management area.

I have lived in El Paso for thirty years. My education includes a Master of Accountancy from UTEP. I have been President/CEO of El Paso Employees Federal Credit Union for 22 years. I also have worked in the accounting profession in various capacities. Over the years I have served on several City and County Boards including the PSB's, Public Working Committee.

Thank you for your consideration.

Sincerely,
Raymond Ponteri

RAYMOND J. PONTERI

El Paso, Texas 79912
(915)

PERSONAL DATA :

Birth Place - New York, New York
Marital Status - Married
Dependents - Two (ages sixteen and eighteen)

EDUCATION :

Bryant College, Smithfield Rhode Island
Bachelor of Science in Business Administration, 1974
Major - Marketing
Minor - Accounting

University of Texas El Paso, El Paso Texas
Second Major - Accounting, 1984

University of Texas El Paso, El Paso Texas
Master of Accountancy, 1987

OTHER TRAINING :

United States Air Force - Public Speaking
Volunteer In Service To America - Community Organization
Community Service Administration - Staff Management and Supervision
State of Texas - Cost Benefit Analysis
Credit Union National Association - Merit Program

MILITARY SERVICE :

United States Air Force - July 1966 to July 1970
Honorable Discharge

ACTIVITIES :

Texas Credit Union League, Director and Audit Committee Chairman
CUNA Renaissance Commission
El Paso County Child Welfare Board, Past President
City of El Paso Economic Loan Fund Board
PSB Public Working Committee
El Paso Employees Federal Credit Union Audit Committee, Chairman
R.C. Morgan Chapter of Credit Unions, Past President

PROFESSIONAL EMPLOYMENT HISTORY:

El Paso Employees Federal Credit Union

El Paso, Texas

1. President/ CEO, October 1987 to Present - Overall responsibility for the management of full service 260 million dollar credit union.
2. Executive Vice President, July 1984 to October 1987 - Responsible for the daily operations of full service credit union. Reported to the president.

El Paso Water Utilities

El Paso, Texas

Accountant, May 1982 to July 1984 - Responsible for bank reconciliation, investments, financial statements & budget reports. Reported to the chief accountant.

Eckrich Food Service

El Paso, Texas

Cost Accountant, November 1981 to May 1982 - Responsible for efficiency reports, costs reports, new product costing , and stock status report for national meat processing facility. Reported to the chief accountant.

Project Bravo

El Paso, Texas

Program Director, November 1980 to November 1981 - Director of Community Food and Nutrition Program for a community based organization. Responsible for program design , staff supervision, and budget administration. Also responsible for writing grant proposals.

VISTA Volunteer

El Paso, Texas

Volunteer Worker, October 1979 to November 1980 - Nationally recruited volunteer for federal government program. Taught standard business practices to low income groups. Helped low income neighborhood organizations form cooperative food buying clubs.

Par Four Restaurant

Hazleton, Pennsylvania

Manager, October 1977 to October 1979 - Responsible for the day to day management of a family style mall restaurant. Also performed various accounting and advertising functions.

Capital City Construction Co.

Hazleton, Pennsylvania

Co-owner, May 1974 to August 1977 - Co-owner of a construction company that built single family homes (30-40 a year). Responsible for accounting and marketing functions. Also handled banking arrangements for construction and permanent mortgages.

HOBBIES:

Golf



RICHARD T. SCHOEPHOERSTER

BIOGRAPHICAL SUMMARY

Dr. Schoephoerster received his B.S. in Biomedical Engineering in 1985, and his M.S. (1986) and Ph.D. (1989) in Mechanical Engineering, all from the University of Iowa. He joined Florida International University (FIU) in 1990, rising in the ranks from Research Associate to Assistant Professor (1992), Associate Professor (1996), and Full Professor (2001) over his seventeen years at the institution. He established and served as the initial Director of the Cardiovascular Engineering Center in 1997. In 1999 he served as PI for a \$1 million grant from The Whitaker Foundation that established the Biomedical Engineering Institute with Dr. Schoephoerster as the Director. The Institute was converted to a Department status in August 2003 with Dr. Schoephoerster as the Founding Chair. The Department was formed on the foundation set by a \$5 million grant (with \$5 million matching from the State) from the Wallace H. Coulter Foundation. In 2005 Dr. Schoephoerster was named the Wallace H. Coulter Eminent Scholars Chair in Biomedical Engineering.

In 2007 Dr. Schoephoerster accepted the position as Dean of the College of Engineering at the University of Texas at El Paso. Here he leads a College of over 2500 students (including approximately 500 graduate students) in 17 different BS, MS, and PhD degree programs, and 80 faculty members in six different departments with approximately \$15 million in research funding from local, state, and national agencies and companies.

Dr. Schoephoerster has been very active in developing educational programs. He led the efforts to establish the BS, MS, and PhD programs in biomedical engineering at FIU, all within a five year time span (1999-2004). Dr. Schoephoerster has also been very active in developing academia/industry partnership programs. In 2001 he led the establishment of the FIU Biomedical Engineering Partnership Program, a joint enterprise of FIU, healthcare providers, and biomedical companies. A portion of its activities have been funded through a \$600,000 grant from the National Science Foundation's Partnership for Innovation Program.

Dr. Schoephoerster maintains an active research program in the area of biofluid mechanics and cardiovascular devices, with a major focus on cardiac applications. He has over 80 journal

publications and presentations of his research at regional, national, and international conferences. His research interests run from the basic (role of mechanics on cardiovascular disease development) to the applied (development of novel cardiovascular devices). He has received over \$2 million as PI and Co-PI on research project funding from the National Institutes of Health, the American Heart Association, the National Research Council, and the biomedical industry. In 2008 he was elected a Fellow of the American Institute of Medical and Biological Engineering.

Dr. Schoephoerster is also very active in the profession. He has served on a variety of local and national committees and boards for the American Heart Association for the past 13 years, including serving as Chair of the National Bioengineering and Biotechnology Research Peer Review Committee. He has also served on the Florida Biomedical Research Advisory Council, the Wallace H. Coulter Foundation Early Career Award Panel, and the NSF Biomedical Engineering CAREER Panel.

Paula Apodaca
Consumer Affairs Officer
El Paso Water Utilities
1154 Hawkins Blvd.
El Paso, TX 79925
papodaca@epwu.org

Dear Public Service Board Selection Committee,

Please accept this letter and my attached curriculum vitae as my application for consideration to fill one of the open positions on the Public Service Board. Specifically, my education, training and experience are relevant for consideration under the 'Environmental or Health' qualification category.

I earned my PhD in Biostatistics, with emphases in Epidemiology and Environmental Sciences, at the University of Texas School of Public Health in Houston, TX. I have spent most of the past 10 years in academia working as an infectious disease epidemiologist by applying advanced methodological analysis to complex study designs and disease processes. I have collaborated through the years with many environmental scientists whose work included water-borne, food-borne, and air-borne microorganisms. Specifically, I have aided in the analyses of risk for the populations served given the observed historical data as well as applying varying assumptions such as infectiousness, intake volume, reduction via treatment, and measurement error.

In addition to my research experience, I also have a long history in the classroom teaching statistics and epidemiologic methods from introductory to advanced methods. Today, I continue to work as collaborator bringing together clinical researchers, basic science researchers, and medical educators for the delivery of well designed, analyzed, and presented health sciences research. I hope my attached CV presents to you the information needed with regard to my commitment to science, to teaching, and to community service.

Since John Snow removed the water pump handle, no care taker of the population's health has ever surpassed that of the water utilities. The removal of waste, direction of natural resources, and the delivery and distribution of safe drinking water are the first and most fundamental requirements for a safe, healthy, and prosperous society. It is because of these truths and my life's training that I humbly apply for consideration for service on the El Paso Water Utilities Public Service Board.

Respectfully,

Patrick Tarwater, PhD
Professor and Chief
Division of Biostatistics and Epidemiology
Paul L. Foster School of Medicine

CURRICULUM VITAE

JULY 1, 2009

PATRICK M. TARWATER

Texas Tech University Health Sciences Center

Paul L. Foster School of Medicine

4800 Alberta Avenue, El Paso, Texas 79905

Phone: (915) 261-8520 Fax: (915) 783 1260

patrick.tarwater@ttuhsc.edu

EDUCATION AND TRAINING

- Ph.D. 1999 **Biometry** (Concentration: Epidemiology)
The University of Texas Health Science Center at Houston
- M.S. 1992 **Mathematics** (Concentration: Statistics)
Texas Tech University, Lubbock, Texas
- B.A. 1990 **Mathematics** (Minor: Philosophy)
Texas Tech University, Lubbock, Texas

PROFESSIONAL EXPERIENCE

- 2009-present **Professor and Chief**
Division of Biostatistics and Epidemiology
Department of Biomedical Sciences
Paul L. Foster School of Medicine
The Texas Tech University Health Sciences Center, El Paso, TX
- 2003-present **Adjunct Assistant Professor**
Department of Biostatistics
Bloomberg School of Public Health
The Johns Hopkins University, Baltimore, MD
- 2008-2009 **Associate Professor of Biostatistics**
Department of Biomedical Sciences
Paul L. Foster School of Medicine
The Texas Tech University Health Sciences Center, El Paso, TX
- 2005-2007 **Invited Member**
Biostatistics Expert Network (Epidemiology and Biostatistics Core)
The Ponce School of Medicine, Ponce, Puerto Rico
- 2005-2008 **Associate Professor**
Division of Biostatistics
(*Division of Epidemiology, secondary appointment*)
The University of Texas School of Public Health, Houston, TX
- 2002-2005 **Assistant Professor**
Division of Biostatistics (Division of Epidemiology, secondary appointment)
The University of Texas School of Public Health, Houston, TX
- 2000-2002 **Assistant Research Professor**
Department of Epidemiology
Bloomberg School of Public Health

- 1999-2000 The Johns Hopkins University, Baltimore, MD
Assistant Scientist
Department of Epidemiology
 Bloomberg School of Public Health
 The Johns Hopkins University, Baltimore, MD
- 1997-99 **Senior Statistical Software Engineer**
Computational Technologies Group
 Visual Numerics, Inc., Houston, TX
- 1993-97 **Instructor**
Department of Mathematics
 The University of St. Thomas, Houston, TX

HONORS AND AWARDS

- 2003 **Best Contributed Paper**, Joint Statistical Meetings, San Francisco, Teaching Statistics in the Health Sciences Section of the American Statistical Association
- 2004 **Honors Convocation**, University of Texas Health Science Center (UTHSC), Houston, TX
- 2004 **Delta Omega Honorary Society**, Alpha Iota Chapter, School of Public Health (SPH), UTHSC, Houston, TX
- 2005 **Outstanding Young Investigator**, UTHSC, Houston, TX
- 2005 **Honors Convocation**, UTHSC, Houston, TX
- 2005 **Research Excellence Award**, SPH-UTHSC, Houston, TX
- 2005 **Dean's Teaching Excellence Award**, SPH-UTHSC, Houston, TX
- 2006 **Research Excellence Award**, SPH-UTHSC, Houston, TX
- 2006 **Academic & Administrative Leadership Development Program**, UTHSC, Houston, TX
- 2006 **Honors Convocation**, UTHSC, Houston, TX
- 2006 **Visiting Professor**, Southwestern School of Medicine, Dallas, TX
- 2007 **Research Excellence Award**, SPH-UTHSC, Houston, TX
- 2008 **Dean's Teaching Excellence Award**, SPH-UTHSC, Houston, TX
- 2008 **Research Excellence Award**, SPH-UTHSC, Houston, TX
- 2009 **Professor-in-Residence (Uganda)**, Accordia Global Health Foundation
- 2009 **Fellow**, American College of Epidemiology, Raleigh, NC

PROFESSIONAL ACTIVITIES

Society Membership:

- 1993- American Statistical Association (ASA)
- 1995- Statistics in Epidemiology Section of ASA
- 1995- Teaching Statistics in the Health Sciences Section of ASA
- 1995- Biometrics Section of ASA
- 1995-9 Houston Area Chapter American Statistical Association, Houston, TX.
- 1997-9 Texas Area Statisticians Conference (TASC)
- 1998 Member: Committee for Allocation of Funds for Student Rewards, TASC
- 1986-95 Mathematical Association of America

1990-8 Texas Section Mathematical Association of America

Society Leadership and Service:

- 2005 – 07 Program Chair (2007), Teaching Statistics in the Health Sciences Section, American Statistical Association (ASA)
- 2004 – 06 Liaison to Congress of Epidemiology 2006 Planning Committee
- 2003 – 07 Co-Editor and Website Manager, Statistics in Epidemiology Section, ASA
- 2003 – 06 Publications Officer, Statistics in Epidemiology Section, ASA
- 2003 Session Chair, Joint Statistical Meetings, Biometrics Section, ASA
- 1997 Session Chair, Joint Statistical Meetings, Biometrics Section, ASA

Professional Leadership and Service:

- 2005 - Biostatistics expert network, Ponce School of Medicine, Puerto Rico.

EDITORIAL and EXTERNAL SERVICE ACTIVITIES

Reviewer:

- Journal *AIDS*, 2000, 2001
AIDS Research and Therapy, 2006
Advances and Applications in Statistics, 2003
American Journal of Epidemiology, 2001, 2002, 2003, 2005
Epidemiology, 2001
International Journal of Epidemiology, 2002
Journal of Acquired Immune Deficiency, 2003, 2004, 2005
Journal of Infectious Diseases, 2004
Journal of Statistical Computation and Simulation, 2004
- Conference *International AIDS Conference*, 2002, 2004, 2006
International AIDS Society Conference 2007
- Grant *NIH, NIAID*, AIDS Research Review Committee, 2006
AIDS Fonds, Netherlands, 2002, 2004, 2005
NIH, NIAID, R24 Special Emphasis Panel, 2004, 2005
NIH, NIAID, U01 Special Emphasis Panel, 2005
National Medical Research Council, Singapore, 2005
- Academic *Florida International University*, Tenure/Promotion External Reviewer, 2006
University of Maryland, Tenure/Promotion External Reviewer, 2006

PUBLICATIONS

Journal Articles (Peer-Reviewed):

1. Detels R, **Tarwater PM**, Phair JP, Margolick J, Riddler SA, and Munoz A. Effectiveness of potent antiretroviral therapies on the incidence of opportunistic infections before and after AIDS diagnosis. *AIDS* 2001; 15:347-355.
2. **Tarwater PM**, Margolick J, Jin J, Phair J, Detels R, Rinaldo C, Giorgi J, and Muñoz A. Increase and plateau of CD4 T cell counts in the 3 ½ years following initiation of

- potent antiretroviral therapy. *J Acquir Immune Defic Syndr* 2001;27:168-75
3. Sacktor N, **Tarwater PM**, Skolasky MA, McArthur JC, Selnes A, Becker J, Cohen B, Miller EN. CSF antiretroviral drug penetrance and the treatment of HIV-associated psychomotor slowing. *Neurology* 2001; 57:542-5.
 4. **Tarwater PM**, Mellors J, Gore ME, Margolick J, Phair J, Detels R, and Muñoz A. Methods to assess population effectiveness of therapies in HIV incident and prevalent cohorts. *Am J Epidemiol* 2001; 154:675-81.
 5. Babas T, Vieler E, Hauer DA, Adams RJ, **Tarwater PM**, Fox KJ, Clements JE, and Zink MC. Pathogenesis of SIV pneumonia: selective replication of viral genotypes in the lung. *Virology* 2001; 2:371-81.
 6. Zink MC, Coleman GD, Mankowski JL, Adams RJ, **Tarwater PM**, Fox KJ, Clements JE. Increased macrophage chemoattractant protein-1 in cerebrospinal fluid precedes and predicts the development of simian immunodeficiency virus encephalitis. *J Inf Dis* 2001; 184:1015-21.
 7. Augenbraun M, **Tarwater PM**, Greenblatt R, Cohen M, Gore ME, Watts H, Preston-Martin S, and Anastos K. Opportunistic infection (OI) prophylaxis in the Women's Interagency HIV Study (WIHS). *J Acquir Immune Defic Syndr* 2001;28:195-6.
 8. **Tarwater PM**, and Martin CF. Effects of population density on the spread of disease. *Complexity* 2001; 6(6):29-36.
 9. Mankowski JL, Queen SE, **Tarwater PM**, Fox KJ, Perry VH, Clements JE. Axonal β -Amyloid Precursor Protein Accumulation in SIV-infected Macaques. *J Neuropathol Exp Neurol* 2002; 61(1):85-90.
 10. Clements JE, Babas T, Mankowski J, Suryanarayana K, Piatak MJ, **Tarwater PM**, Lifson JD, and Zink MC. CNS as a reservoir for SIV: stable levels of SIV DNA in the brain from acute through asymptomatic infection. *J Infect Dis* 2002; 186(7):905-13.
 11. Babas T, Muñoz D, Mankowski J, **Tarwater PM**, Clements JE, and Zink MC. Role of microglial cells in selective replication of Simian immunodeficiency virus genotypes in the brain. *J Virol* 2003; 77(1):208-216.
 12. Mankowski JL, Queen SE, **Tarwater PM**, Adams RJ, and Guilarte TR. Elevated peripheral benzodiazepine receptor expression in SIV encephalitis. *J Neurovirology* 2003; 9(1):94-100.
 13. Philpott S, Weiser B, **Tarwater PM**, Kleeberger C, Vermund S, Gange S, Anastos K, Cohen M, Greenblatt R, Kovacs A, Minkoff H, Young M, Miotti P, Dupuis M, Chen CH, Burger H. The association of CCR5 genotype with HIV-1 infection, disease progression and response to potent therapy in Women. *J Infect Dis* 2003; 187(4):569-575.
 14. Li X, Buechner JM, **Tarwater PM**, Muñoz A. A diamond-shaped, equiponderant graphical display of the effects of two categorical predictors on continuous outcomes. *Am Statistician* 2003; 57(3):193-199.
 15. Marx MA, Murugavel KG, **Tarwater PM**, SriKrishman AK, Thomas DL, Solomon

- S, and Celentano DD. Examination of the association between HCV and genital ulcers in a multi-level random sample of slum residents in southern India. *Clin Infect Dis* 2003; 37:514-520.
16. Sacktor N, Skolasky RL, **Tarwater, PM**, McArthur JC, Selnes OA, Becker J, Cohen B, and Miller EN. Response to systemic HIV viral load suppression correlates with psychomotor speed performance. *Neurology* 2003; 61(4):567-9.
 17. **Tarwater PM**, Parrish MA, and Gallant JE. Prolonged treatment interruption after immunologic response to HAART. *Clin Infect Dis* 2003; 37(11):1541-1548
 18. Barber SA, Bennet JM, DeWitt JB, **Tarwater PM**, Zink MC. Dysregulation of mitogen-activated protein kinase (MAPK) signaling pathways in SIV Encephalitis. *Am J Pathol* 2004; 164(2):355-62.
 19. Chatterjee R, **Tarwater P**, Neogi D, Ghosh A, Roy P, and Gupta P. Estimation of HIV seroprevalence in blood bank camps in Kolkata, India. *Transfus Med* 2004; 14(1):77-8.
 20. Gibbs SG, Green CF, **Tarwater PM**, Scarpino PV. Airborne Antibiotic Resistant and Non-Resistant Bacteria and Fungi Recovered from Two Swine Herd Confined Animal Feeding Operations. *J Occupational and Environmental Hygiene* 2004; 1(11): 699-706.
 21. Philpott S, Burger H, **Tarwater PM**, Lu M, Gange SJ, Anastos K, Cohen M, Greenblatt RM, Kovacs A, Minkoff H, Young M, Miotti P, Dupuis M, Chen CH, Weiser B. CCR2 genotype and disease progression in HIV-1 infected women. *Clin Infect Dis* 2004; 39(6):861-5.
 22. **Tarwater PM**, Gallant JE, Mellors JW, Gore ME, Phair JP, Detels R, Margolick JB, and Munoz A. Prognostic value of plasma HIV RNA among highly active antiretroviral therapy users. *AIDS* 2004; 18:2419-2423.
 23. Rue SM, Roos JW, **Tarwater PM**, Clements JE, and Barber SA. Phosphorylation and proteolytic cleavage of Gag proteins in budded simian immunodeficiency virus. *J Virol* 2005; 79(4):2484-2492.
 24. Grant LA*, **Tarwater PM***, Schneider M, Anastos K, Cohen M., Khalsa A, Minkoff H, Young M, Greenblatt RM. Temporal Trends and Determinants of HAART Discontinuation in the Women's Interagency HIV Study. *J Acquir Immune Defic Syndr* 2005; 38(4):500-503. *Authors contributed equally.
 25. Helke KL, Queen SE, **Tarwater PM**, Nath A, Zink MC, Irani DN, Mankowski JL. 14-3-3 protein in CSF: an early predictor of SIV CNS disease. *J Neuropathol Exp Neurol* 2005; 64(3):202-8.
 26. Zink MC, Uhrlaub JL, DeWitt JB, Voelker T, Bohlayer E, Mankowski JL, **Tarwater PM**, Clements JE, Barber SA. Minocycline suppresses replication of SIV and reduces the severity of encephalitis in SIV-infected macaques. *JAMA* 2005; 293(16):2003-2011.
 27. Carruth LM, Christine Zink M, **Tarwater PM**, Miller MD, Li M, Queen LA, Mankowski JL, Shen A, Siliciano RF, Clements JE. SIV-specific T lymphocyte

- responses in PBMC and lymphoid tissues of SIV-infected pigtailed macaques during suppressive combination antiretroviral therapy. *J Med Primatol*. 2005;34(3):109-121.
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30. Green, C.F., Gibbs, S.G., **Tarwater PM**, Mota, L.C., Scarpino, P.V. Bacterial Plume Emanating from the Air Surrounding Swine Confinement Operations. *J Occup Environ Hyg* 2006; 3(1):9-15.
31. Leyva M., Byrd T. and **Tarwater P**. Attitudes towards cervical cancer screening: A study of beliefs among women in Mexico. *California Journal of Health Promotion* 2006; 4(2):13-24.
32. Babas T, Dewitt JB, Mankowski JL, **Tarwater PM**, Clements JE, Zink MC. Progressive selection for neurovirulent genotypes in the brain of SIV-infected macaques. *AIDS* 2006;20(2):197-205.
33. Wachtman LM, **Tarwater PM**, Queen SE, Adams RJ. and Mankowski JL. Platelet decline: Platelet decline: An early predictive hematologic marker of Simian Immunodeficiency Virus central nervous system disease. *J Neurovirology* 2006;12:1-9.
34. Barber SA, Gama L, Dudaronek JM, Voelker T, **Tarwater PM** and Clements JE. Mechanism for the establishment of transcriptional latency of HIV in the brain in a simian immunodeficiency virus-macaque model. *J Infect Dis* 2006;193(7):963-70.
35. Lai D, **Tarwater PM**, Hardy RJ. Measuring impact of HIV/AIDS, diseases of the heart and malignant neoplasms on life expectancy in the United States from 1987 to 2000. *Public Health* 2006;120(6):486-92.
36. Gibbs SG, Green CF, **Tarwater PM**, Mota LC, and Scarpino PV. Isolation of antibiotic resistant bacteria from the air plume downwind of a swine confined or concentrated animal feeding operation. *Environ Health Perspect* 2006; 114(7):1032-37.
37. Barber SA, Gama L, Li M, Voelker T, **Tarwater PM**, Carruth LM and Clements JE. Longitudinal Analysis of SIV Replication in the Lung: Compartmentalized Regulation of SIV. *J Infect Dis* 2006;194(7):931-38.
38. Gibbs SG, Sobieraj J, Harris H, Steel H, **Tarwater PM**, and Ortiz M. Comparison of Non-Deployable Hearing Profiles by Army Component (Active Duty, National Guard and Reserve) and by Gender. *Military Medicine* 2006;171(10):967-69.
39. Laast VA, Pardo CA, **Tarwater PM**, Queen SE, Reinhart TA, Ghosh M, Adams RJ, Zink MC, and Mankowski JL. Pathogenesis of SIV-induced alterations in macaque trigeminal ganglia. *J Neuropathol Exp Neurol* 2007;66(1):26-34.

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41. Fallert BA, Poveda S, Schaefer TM, Pfeifer ME, Sangavi SK, **Tarwater PM**, Watkins SC, Murphy-Corb ME, Kirschner DE, and Reinhart TA. Virologic and immunologic events in hilar lymph nodes during the course of simian immunodeficiency virus infection. *J Acquir Immune Defic Syndr* 2008; 47(1):16-26.
42. Sivaraman K., **Tarwater P.M.**, and Cole A.M. Codon choice in genes depends on flanking sequence information – implications for theoretical reverse translation. *Nucleic Acids Res* 2008; 36(3):ePub .
43. Qin S., Sui Y., Soloff A.C., Junecko B.A., Kirschner D.E., Murphy-Corb M.A., Watkins B.A., **Tarwater P.M.**, Pease J.E., Barratt-Boyes S.M., and Reinhart T.A. Chemokine and cytokine mediated loss of regulatory T cells in lymphoid tissues during pathogenic simian immunodeficiency virus infection. *J Immunol* 2008; 180(8):5530-36.
44. Mota LC, Gibbs SG, Green CF, Payan F, **Tarwater PM**, and Ortiz M. Characterization of seasonal indoor and outdoor bioaerosols in the arid environment of El Paso, Texas. *J Environ Health* 2008; 70(10):48-53.
45. Mota, L.C., Gibbs, S.G., Green C.F., Flores, C.M., **Tarwater, P.M.**, and Ortiz, M. Seasonal fine and coarse culturable fungal constituents and concentrations from indoor and outdoor air samples taken from an arid environment. *J Occupational and Environmental Hygiene* 2008; 5(8): 511-518.
46. Makley M.J., English J., D.A. Drubach D.A., Kreuz A.J., and **Tarwater P.** Prevalence of Sleep Disturbance in Closed Head Injury Patients on a Rehabilitation Unit. *Neurorehabil Neural Repair* 2008;22(4):341-7.
47. Mankowski J.L, Queen S.E., Fernandez C.S., **Tarwater P.M.**, Karper J.M., Adams R.J., and Kent S.J. Natural host genetic resistance to lentiviral CNS disease: A neuroprotective MHC class I allele in SIV-infected macaques. *PLoS* 2008; 3(11):e3603.
48. Makley MJ, Johnson-Green L., **Tarwater PM**, Kreuz AJ Spiro J, Rao V, and Celnik P. Return of Memory and Sleep Efficiency Following Moderate to Severe Closed Head Injury. *Neurorehabil Neural Repair* 2009; 23:320-326.
49. Sobieraj, J., Gibbs, S.G., Steele, H., Harris, M., **Tarwater, P.M.**, and Ortiz, M. Hearing Threshold Comparisons between 2001-02 NHANES and 2003-05 Fort Bliss U.S. Army Service Components. *Journal of Occupational and Environmental Hygiene. Military Medicine* 2009;174:42-46.
50. Ding M, **Tarwater PM**, Rodriguez M, Chatterjee R, Ratner D, Roy P, Mellors J, Neogi D, Gupta P. Estimation of the predictive role of plasma viral load on CD4 decline in HIV-1-infected subjects in India using real time RTPCR assay. *J Acquir Immune Defic Syndr* 2009; 50(2):119-125.

51. Rodriguez MA, Ding M, Ratner D, Chen Y, Tripathy SP, Kulkarni SS, Chatterjee R, **Tarwater PM**, Gupta P. High Replication fitness and transmission efficiency of HIV-1 subtype C from India: Implications for subtype C predominance. *Virology* 2009; 385(2):416-24.
52. Ebenezer GJ, Laast VA, Dearman B, Hauer P, **Tarwater PM**, Adams RJ, Zink MC, McArthur JC, and Mankowski JL. Altered cutaneous nerve recognition in a simian immunodeficiency virus/macaque intracutaneous axotomy model. *J Comp Neurol* 2009; 514(3):272-283.
53. Quinn GA, **Tarwater PM**, and Cole AM. Subversion of IL-1-mediated host defense by a nasal carrier strain of *Staphylococcus aureus*. *Immunology* (In press).
54. Mota A, Mena KD, Soto-Beltran M, **Tarwater PM**, Chaidez C. Risk assessment of cryptosporidium and giardia in water irrigating fresh produce in Mexico. *Journal of Food Protection* (In press).

Currently Under Review:

1. Gao J., Zhang Y., Tang X., Tucker L.D., **Tarwater P.M.**, Quesenberry P.J., Rigoutsos I., and Ramratnam B. The Evil, microRNA-143, K-Ras Axis in Colon Cancer. (under review).
2. Awad AHA, **Tarwater PM**, Green CF and Gibbs SG. Evaluation of air bio-contamination at various agricultural industry environments in Egypt (under review).
3. Gupta RG, Kelly KM, Helke KL, Queen SE, Karper JM, Dorsey JL, Brice AM, Adams RJ, Tarwater PM, Kolson DL, and Mankowski JL. HIV and SIV Induce Alterations in CNS CaMKII Expression and Activation: A Potential Mechanism for Cognitive Impairment (under review).

Reports and Articles:

Tarwater PM, Martin CF, and White JT. (1992) An Analysis of Student and Teaching Assistant Performance in College Algebra. CASA Report 198. (Inter-departmental Report)

Tarwater PM. (1996) Interpretation of Statistical Inferences. Texas Paralegal Journal, Vol. 1, No. 4.

RESEARCH GRANT PARTICIPATION*Active Support:*

1. **RO1 MH069116 (MC Zink, PI)** 4/1/04-3/31/09
Neuroprotective effects of minocycline in lentiviral infection
NIH (NIMS) via Johns Hopkins School of Medicine \$1,851,176
Univ of Texas Subcontract (P Tarwater, PI) \$ 30,631
Role: Co-Investigator & Principal Biostatistician 5% effort
2. **PO1 MH070306 (JE Clements, PI)** 12/1/03-11/30/08
CNS & Peripheral Reservoirs in an SIV Model of HIV HAART
NIH (NIMS) via Johns Hopkins School of Medicine \$6,038,123
Univ of Texas Subcontract (P Tarwater, PI) \$ 79,915
Role: Co-Investigator & Principal Biostatistician 10% effort
3. **RO1 HL078479 (J Mankowski, PI)** 8/1/04-7/30/09
Viral Host Interaction in SIV Cardiac Dysfunction
NIH (NHLBI) via Johns Hopkins School of Medicine \$2,750,000
Univ of Texas Subcontract (P Tarwater, PI) \$ 79,310
Role: Co-Investigator & Principal Biostatistician 10% effort
4. **RO1 NS050028 (JE Clements, PI)** 7/16/04-2/28/09
CNS Mechanisms of MCP-1 Transcription
NIH (NINDS) via Johns Hopkins School of Medicine \$1,156,250
Univ of Texas Subcontract (P Tarwater, PI) \$ 42,792
Role: Co-Investigator & Principal Biostatistician 5% effort
5. **RO1 AI060422 (T Reinhart, PI)** 3/1/05-2/28/10
Chemokine Modulation During HIV Infection and AIDS
NIH (NIAID), University of Pittsburgh School of Public Health \$2,611,888
Univ of Texas Subcontract (P Tarwater, PI) \$ 41,104
Role: Co-Investigator & Principal Biostatistician 5% effort
6. **U19 AI065430 (P Gupta, PI)** 7/1/05-6/30/10
CV-N-Secreting Lactobacilli and Retrocyclin Microbicides
NIH (NIAID), University of Pittsburgh School of Public Health \$4,968,332
Univ. of Texas Subcontract (P Tarwater, PI) \$ 163,078
Role: Principal Biostatistician & Director, Data Center 5% effort
7. **R21 AI65392 (P Gupta, PI)** 7/1/05-6/30/08
HIV in Semen from Infected Subjects from India
NIH (NIAID), University of Pittsburgh School of Public Health \$ 411,995
Univ. of Texas Subcontract (P Tarwater, PI) \$ 37,243
Role: Co-Investigator & Principal Biostatistician 5% effort
8. **R01 NS055651 (J Mankowski, PI)** 4/1/2006-3/31/2011
Mechanisms of HIV-Induced PNS Disease: The SIV/Macaque Model
NIH(NINDS) via Johns Hopkins School of Medicine \$1,592,699
Univ of Texas Subcontract (P Tarwater, PI) \$ 106,016
Role: Co-Investigator & Principal Biostatistician 5% effort

- 9. P40 RR010005 (RJ Adams, PI)** 7/1/2006-6/30/2011
Development of an SPF Macaca nemestrina Breeding Colony
 NIH via Johns Hopkins School of Medicine \$ 2,701,107
 Univ of Texas Subcontract (P Tarwater, PI) \$ 31,696
Role: Co-Investigator & Principal Biostatistician 5% effort
- 10. R01 HD052436 (P Gupta, PI)** 9/20/06-6/30/11
Semen in Transmission of HIV-Data Center
 NIH (NINDS), University of Pittsburgh School of Public Health \$2,370,325
 Univ. of Texas Subcontract (P Tarwater, PI) \$ 51,016
Role: Principal Biostatistician & Director for the Data Center 5% effort
- 11. R01 NS055648 (JE Clements, PI)** 4/1/2006-3/31/2011
Minocycline Inhibits Immune Reactivation of CNS SIV
 NIH(NINDS) via Johns Hopkins School of Medicine \$ 2,865,279
 Univ of Texas Subcontract (P Tarwater, PI) \$ 125,283
Role: Co-Investigator & Principal Biostatistician 5% effort

Pending Support

- P01 (JE Clements, PI)** 4/1/2006-3/31/2011
Center for Novel Therapeutics for HIV-Associated Cognitive Disorders
 NIH via Johns Hopkins School of Medicine \$ YYYYYY
 Univ of Texas Subcontract (P Tarwater, PI) \$ 38,832
Role: Co-Investigator & Principal Biostatistician 5% effort
- R01 (P Gupta, PI)** 4/1/07-3/31/12
Asymmetric HIV subtypes in India
 NIH (NIAID), University of Pittsburgh School of Public Health \$ YYYYYY
 Univ. of Texas Subcontract \$ 47,771
Role: Co-Investigator & Principal Biostatistician 5% effort

Modifications/Overlap: None

Completed Support

- PO1 MH070056 Nath, A (PI)** 7/1/03-6/30/07
 NIH (NIMS) via Johns Hopkins School of Medicine \$5,648,433
 Univ of Texas Subcontract (P Tarwater, PI) \$19,519
Role: Co-Investigator & Principal Biostatistician 5% effort
- DADA09-03-P-0191 (P Tarwater, PI)** 10/1/02-9/30/03
 WBAMC \$6,573 6% effort
Clinical Investigation Committee
- U01-AI-35043 Muñoz, A (PI)** 4/1/99-3/31/03
 NIH (NIAID) \$8,389,465 50% effort
Center for the Analysis and Management of the MACS Data (CAMACS).

U01-AI-42590 Muñoz, A (PI)

4/1/99-3/31/03

NIH (NIAID)

\$7,527,354

50% effort

**Women's Interagency HIV Study Data Management and Analysis Center
(WDMAC)**

CURRICULUM VITAE – PART II*Patrick M. Tarwater***ADVISING****University of Texas Health Sciences Center at Houston School of Public Health
(2002 – 2007)***Academic Advisor*Primary:

- | | |
|-----------------------------|--------------------------------|
| 1. Sarah Duzinski (MPH '03) | 2. Veronica Pedregon (MPH '05) |
| 3. Kendra Witt (MPH '05) | 4. Carolyn Cooper (MPH '06) |

Secondary:

- | | |
|------------------------------|-------------------------------|
| 1. Shelby Blackmon (MPH '04) | 2. Lynne McNicol (MPH '04) |
| 3. David Lopez (MPH '04) | 4. Kyleene Kilgore (MPH '04) |
| 5. Brandy Peterson (MPH '07) | 6. Ariana Arciero (MPH '05) |
| 7. Myriam Leyva (MPH '05) | 8. Cheri Railey (MPH '06) |
| 9. Arthur Islas (MPH '07) | 10. Irma Carrillo |
| 11. Kristenmae Claros | 12. Ulysses Urquidi (MPH '07) |
| 13. Norma Fernandez | 14. Amy Witten |

Thesis Advisor:

Sarah Duzinski: *Evaluation of Clinical Markers of Disease Progression as Prognostic Indicators of Response after Supervised Interruption of Initial HAART among HIV-Positive Patients*, MPH 2004

Veronica Pedregon: *Economic Consequences of Minority Status as a Determinant of Racial/Ethnic Inequalities in Health*, MPH 2005

Carolyn J. V. Cooper: *Lost Opportunities: Umbilical Cord Blood Banking and Donation Habits in El Paso, Texas*, MPH 2006

**Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health
(1999 – 2002)**

Advisor: Laura Novelli, Kate Gilroy, Melissa Marx,

Committee: Megan McSorley, Leena Choi, Laowattana, Nilsa Logo-Berrios, Erika Avila-Tang, Mauro Sanchez, Tsuo-Hung Lan, Alain Labrique, Jonathan Golub

**Department of Mathematics, University of St. Thomas
(1993 – 1997)**

Advisor: A Adai, K Fink, L Dickey, W Braun, B Escalero

CLASSROOM INSTRUCTION

RECENT COURSES

Texas Tech University Paul L. Foster School of Medicine

2009- Course Creator, Director and Instructor, *Basic and Clinical Biostatistics*

University of Texas Health Science Center School of Public Health

2007- Primary Instructor, *Statistical Methods in Epidemiology*

2002- Primary Instructor, *Intermediate Biometric Methods I and II*

Co-Instructor, *Introduction to Biometry*

Co-Instructor, *Advanced Epidemiologic Methods*

Co-Instructor, *Epidemiologic Proposal Development*

2002-04 Primary Instructor, *HIV Epidemiology*

Primary Instructor, *Data Analysis I and II*

Short Courses

2005- Instructor, Advanced Data Analysis, *Graduate Summer Institute of Epidemiology and Biostatistics*, Johns Hopkins Bloomberg School of Public Health

2005-06 Instructor, Biostatistics and Epidemiology in Clinical Research, Texas Tech School of Medicine

2002- 04 Instructor, Data Analysis I and II, *Graduate Summer Institute of Epidemiology and Biostatistics*, Johns Hopkins Bloomberg School of Public Health

2001-05 Instructor, *The Graduate Training Program in Clinical Investigation* Johns Hopkins School of Medicine

PAST COURSES

Department of Epidemiology, Johns Hopkins School of Hygiene and Public Health

2000-02 Instructor, *Design and Applications of Case-Control Studies, Methods in Epidemiology.*

Department of Mathematics, University of St. Thomas

1993-97 Instructor, *Calculus (I, II, and III), Elementary Statistics, Intermediate Statistics, Probability, Applied Data Analysis, College Algebra, Business Calculus,*

SERVICE

Academic

**Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center,
El Paso, TX**

School of Medicine

Faculty Search Committee - Biostatistics, Committee Chair (2008-09)
Faculty Search Committee - Director, CoE Diabetes and Obesity (2009)
Faculty Search Committee - Chair, Neurology (2009)
School of Medicine Faculty Grievance Panel (2008 – 09)
Interviewer – Student Application Committee (2008, 09)

Office of Research

Research Committee (2008 – present)
Seed Grant Review Committee (2008 – present)

Office of Faculty Services

Instructor - Faculty Development Course (2008 – present)

Biomedical Sciences

Research Seminar Coordinator (2008)
Webpage development Coordinator (2008)

Medical Education

Evaluation Committee (2009 – present)
Society, Community, Individual (SCI) Curriculum Committee (2008 – present)
SCI - Biostatistics Thread Director (2008 – present)
Scholarly Project Organizational Committee (2008 – present)
Scholarly Project, Biomedical Sciences Group Coordinator (2008 – present)

School of Public Health, University of Texas Health Sciences Center at Houston

Appointed Member, Biostatistics Division Head Search Committee (2006- 07)
Co-Chair, Research, (2006-07)
Elected Member, Research Council, At-Large (2006- 07)
Elected Member, Faculty Council, Biostatistics (2003-06)
Appointed Member, Biostatistics Division Head Nomination Committee (2003)
Coordinator, Research Seminar, El Paso Regional Campus (2002-04)

Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health

Epidemiology Curriculum Committee
Student Application Review Committee
Comprehensive Exam Grading Committee

Department of Mathematics, University of St. Thomas

Faculty Senate, Sciences Representative
President's Invited Speaker Committee
Director, Undergraduate Research Program
Director and Inaugural Speaker, Undergraduate Mathematics Seminar

Faculty Search Committee: Department of Computer Sciences
Faculty Sponsor, Student Chapter of Mathematical Association of America

Department of Mathematics, Texas Tech University

President, SIAM Graduate Organization
Director, Annual Faculty Colloquia, SIAM Graduate Organization

Community

- 2008 - **Member, Board of Directors, The First Tee of Greater El Paso**
2008 - 10 **President, Board of Directors, First Presbyterian Christian Preschool**
2007 - 10 **Member, Board of Directors, First Presbyterian Christian Preschool**
2005 - 07 **Member, Board of Directors, El Paso Counts Organization**
2004 – 05 **Community Advisory Board, Texas Tech Health Sciences Center - El Paso**
2004 – 05 **External Development Planning Committee, YMCA, El Paso, TX**
2002 – 04 **Clinical Investigation Committee, William Beaumont Army Medical Center, El Paso, TX**

PRESENTATIONS

Invited Presentations

- 2007 Tarwater, PM. Biostatistical Applications in Cohort Studies, Department of Surgery, *Harvard Medical School/Children's Hospital Boston*, Boston, MA
- 2006 Tarwater, PM. Analytic Methods for Cohort Studies: Applications to Natural History of HIV. School of Public Health Research Seminar, *Drexel University*, Philadelphia, PA
- 2006 Tarwater, PM. Analytic Methods for Estimation of Incubation Period for HIV in India. Department of Clinical Research, *University of Texas Southwestern School of Medicine*, Dallas, TX
- 2005 Tarwater, PM. Epidemiology and Natural History of HIV/AIDS: Statistical Applications. Division of Cardiology, *University of Texas Southwestern School of Medicine*, Dallas, TX
- 2003 Tarwater PM and Z Mulla. Categorizing Continuous Variables: Introduction to Recursive Partitioning. Research Seminar, *UT School of Public Health*. El Paso Regional Campus (November)
- 2003 Tarwater PM. HIV Epidemiology: Advanced Methods for Analyzing Cohort Studies. Research Seminar, *UT School of Public Health*. El Paso Regional Campus (September)
- 2001 Tarwater PM. Applied Statistical Methods in Health Science and Business – Beyond Multiple Regression. *Villa Julie College*, School of Business.

- 2000 Tarwater, PM. Nonlinear Models for Markers of Disease Progression in Longitudinal Studies. Invited Speaker Session: *Joint Statistical Meetings*, Indianapolis.
- 2000 Tarwater PM. Scientific Collaboration and Science. FOGARTY Summer Institute. *Johns Hopkins Bloomberg School of Public Health*.
- 1999 Tarwater PM. The Effects of Population Density on the Spread of Disease. Presented at *Johns Hopkins School of Hygiene and Public Health*, Department of Epidemiology Seminar.
- 1998 Tarwater PM. SEIR Type Epidemic Models with Heterogeneous Mixing. Presented at *University of Texas School of Public Health*, Biometry Seminar.
- 1996 Tarwater PM. Multilevel Modeling: An Analysis of Instructor Performance Data. Presented at the *University of Texas School of Public Health*, Longitudinal Analysis Class.
- 1995 Tarwater PM. Attacking and Supporting Inferences on Statistical Evidence. Presented at the *Legal Assistants Division of the State Bar of Texas*, Division 1's Panel Discussion Daubert, et al. V. Merrell Dow Pharmaceuticals, Inc. and the Reference Manual on Scientific Evidence Persuasively, (Panel discussant)

Scientific Presentations (Peer-reviewed)

- 2003 Censored observations: Teaching self-consistency equations. PM Tarwater Innovative Uses of Statistical Designs and Methods in the Health Sciences, *Joint Statistical Meetings*. San Francisco (August) ****Awarded Best Contributed Paper**
- 2003 COX-2 inhibition increases CNS immune activation and CNS SIV replication during acute SIV infection. JL Mankowski, SE Queen, PM Tarwater, RJ Adams MC Zink, JE Clements. *21st Annual Symposium on Nonhuman Primate Models for AIDS* (October)
- 2002 Prolonged Treatment Interruption (TI) after Immunologic Response to HAART. Parish MA, Tarwater PM, Raines C, Gallant JE. Oral presentation (ThOrB1439), *14th International AIDS Conference*, Barcelona, Spain, (July).
- 2000 Comparison of Methods to Determine the Effectiveness of Antiretroviral Therapies (ART) at the Population Level in HIV-1 Incident and Prevalent Cohorts. Tarwater PM, Muñoz A, Mellors J, Gore ME, Margolick J, Phair J, and Detels R. **Oral presentation** (ThOrC746), *13th International AIDS Conference*, Durban, South Africa, (July 10-13).
- 1997 Epidemiological Study of Mortality Rates After HealthNet Intervention in Alpine, TX. Oral presentation, Annual Meeting of the *Texas Section of the Mathematics Association of America*.

- 1996 Mixed Linear Model Analysis of University Instructors and Students. Oral presentation, Annual Meeting of the *Texas Section of the Mathematical Association of America*.
- 1992 Teaching Assistant Performance in College Algebra at Texas Tech University. Oral presentation, Annual Meeting of the *Texas Section of the Mathematics Association of America*.

ADDITIONAL INFORMATION

From 1999 to 2002, I was a Co-Investigator for the Center for the Coordination, Analysis and Management of the Data from the Multicenter AIDS Cohort Study (CAMACS) and for the Women's Interagency HIV Study Data Management and Analysis Center (WDMAC).

Keywords: Epidemiology, Biostatistics, Survival Analysis, Longitudinal Data Analysis, Epidemic Models

September 19, 2009

John Walton, PhD, PE, Professor
University of Texas at El Paso
El Paso, Texas 79968-0516
Phone: 915-747-8699
Email: walton@utep.edu

Paula Apodaca, Consumer Affairs Officer
El Paso Water Utilities
1154 Hawkins Blvd.
El Paso, TX 79925
papodaca@epwu.org

To Whom It May Concern:

I wish to apply for the Public Service Board in the area of Environmental. I have degrees in Biology (BS), Environmental Science (MS), and Chemical Engineering (MS, PhD) in addition to 30 years of professional experience. I am a registered Professional Engineer in the states of Texas and New Mexico. Among other responsibilities, I teach Hydraulic Engineering and Fate and Transport of Contaminants in the Environment. A current resume is attached.

Sincerely,

John Walton

Curriculum Vitae

John C. Walton, Ph.D., P.E.

University of Texas at El Paso

El Paso, Texas 79968-0516

Ph: (915) 747-8699

Email: walton@utep.edu

Home Page: l

Professional Experience

- (6/93 - *Professor, Dept. Civil Engineering, University of Texas at El Paso, El Paso, Texas. Teaching and research in environmental engineering, hydraulics, ground water, and materials degradation. Development of new teaching methods.*
- (8/03 - 8/05) *Interim Director, Center for Environmental Resource Management.*
- (12/03 - *Adjunct Professor in Environmental Sciences, University of Texas School of Public Health.*
- (9/02 - 8/05) *Program Director, Environmental Science and Engineering Program.*
- (1/92 - 5/93) *Senior Research Engineer, Southwest Research Institute, San Antonio, Texas. Analysis of engineered barriers performance in support of Nuclear Regulatory Commission evaluation of the proposed high level nuclear waste repository at Yucca Mountain. Developed a generalized reactive transport code for release rate and corrosion applications.*
- (9/87 - 1/92) *Scientific Specialist, EG&G Idaho, Idaho National Engineering Laboratory, Idaho Falls, Idaho. This position involved a combination of research and site support work. Projects included: migration of actinides through fractured rock in the unsaturated zone; regional scale contaminant migration in the Snake River Plain Aquifer; fluid flow and mass transport through concrete vaults and waste forms used to isolate nuclear waste; development of predictive models for concrete degradation; theoretical modeling of the electrochemistry inside localized corrosion cavities; release and migration of chlorinated solvents from a waste disposal site; cleanup of volatile organic compound spills by soil venting; modeling of *in situ* bioremediation; and leakage from flaws in geomembrane liners used in landfills and surface impoundments.*
- (1/91 - 12/91) *Affiliate Faculty, University of Idaho, Moscow, Idaho. Instruction of classes at the University Center located in Idaho Falls.*
- (4/84 - 9/87) *Senior Engineer, Rockwell \Rightarrow Westinghouse Hanford Operations (BWIP Project), Richland, Washington. Probabilistic risk assessment of natural hazards and operational accidents which could result in release of radioactive or hazardous materials to the environment. Performance assessment of nuclear waste disposal options.*

- (10/79 - 4/84) *Air Quality Specialist, Utah Bureau of Air Quality, Salt Lake City, Utah.* Air dispersion modeling, ambient air monitoring, air pollution control engineering, regulation development, and data analysis. Development of probabilistic emissions limitations.

Education

- (1991) University of Idaho; Ph.D. Chemical Engineering. Thesis: Mathematical Models of Waste Isolation Performance.
- (1988) University of Washington; M.S. Chemical Engineering. Thesis: Mathematical Modeling Of Galvanic Corrosion Cells: Coupling of Corrosion and Geochemical Processes in Nuclear Waste Isolation.
- (1981) University of Virginia; M.S. Environmental Science. Thesis: Redox Equilibria in a Freshwater Lake.
- (1977) Western Illinois University; B.S. Biology. Minor Geology.

Public and University Service

EPWU, Stormwater Community Advisory Committee
TRB, NAS HMCRP06 Review Panel
City of El Paso Arroyos Committee
Frontera Land Alliance, Advisory Board
Chair, UTEP Graduate Council, 2007 – 2009
Chair, Faculty Welfare Committee, 2008 -

Research Interests

Hydrology. Influence of topography and solar radiation on plant communities. Contamination and recovery of river ecosystems. Surface and ground water interactions as they influence water quality. Mathematical modeling of saturated and unsaturated flow. Flow around and through waste disposal facilities. Monitoring, chemical analysis, and modeling of lake chemistry.

Environmental Remediation. Analysis of leach rates from various wasteforms including cementitious, glass, and spent fuel. Co-precipitation of metals with calcite.

Desalination. Membrane treatment of brackish water. Management of concentrates produced from desalination. Membrane distillation using solar energy.

Waste Disposal Technology. Leakage through flaws in geomembrane liners. Design and performance assessment of concrete vaults for waste disposal. Coupling between corrosion processes and localized geochemistry. Waste package design for high level nuclear waste disposal. Coupled modeling of thermal, hydrologic and chemical processes near nuclear waste packages. Influence of carbonation and oxidation on leaching from cementitious wasteforms.

Materials Performance. Long term degradation of concrete. Theoretical modeling of the electrochemistry inside localized corrosion cavities. Estimation of long term corrosion rates of copper and steel.

Chairman for Graduate Students

- 1/95 Charles Anker, *Analysis of Four Theoretical Methods to Improve Soil Venting*, MS Thesis.
- 4/95 Krishna Mohan Gadicherla, *The Role of Oxygen Diffusion in the Release of Technetium from Reducing Cementitious Waste Forms*, MS Thesis.
- 4/95 Ravishankar T. Kalyana, *Design of an Experimental Setup to Test the Effect of Carbonation on Cementitious Wasteforms*, MS Project.
- 4/95 Girish Havildar, *Long Term Performance of Cementitious Wasteform in the Unsaturated Zone: The Role of Soil Gases*, MS Project.
- 5/95 Ashwathagowda S. Kalappa, *Chemical Characterization of Pore Water of a Contaminated Soil*, MS Project.
- 6/95 Masudur Rahman, *Flow Through Flaws in Geomembranes*, MS Thesis.
- 7/95 Saifuddin Ahmed, *Analysis of Fluid Flow Through Intact and Degraded Below Ground Concrete Vaults*, MS Thesis.
- 8/95 Surya Kumar Gowrappa, *Transport of Radionuclides Through Fractured Concrete Barriers Used in Low-level Radioactive Waste Disposal*, MS Thesis.
- 1/96 Ahmad Arif Shahjahan, *Flow Through Degraded Below Ground Concrete Vaults*, MS Project.
- 5/96 MD. Sazzad Bin - Shafique, *The Long-term Performance of Cementitious Wasteform: The Role of Soil Gases*, MS Thesis.
- 8/96 Rudy Antonio Machorro Sagastume, *Water Quality at Lago de Izabal, Guatemala: Geochemical Characterization and Assessment of Trophic Status*, Ph.D. Thesis in Geology (co-chair with Phillip Goodell).
- 8/96 David Casey, *Optimization of Contaminant Removal for Heterogeneous Systems by Soil Venting*, MS Thesis.
- 5/97 Neyda V. Gutierrez, *Effects of Carbonation on the Long-Term Leaching Behavior of Cementitious Wasteforms*, MS Thesis.
- 8/97 Murtaza Mohsin Kutianawala, *Numerical Modeling of Surface and Ground Water: Canutillo Well Field Area - Texas, New Mexico*, MS Thesis
- 9/97 Chris Lynton Bailey, *Modeling of Soil Humidity Effects on Organic Compound Sorption During SVE*, MS Thesis.
- 7/98 Roxanna M. Rivera, *Treatment of Trinitrotoluene Contaminated Groundwater Using Parrot Feather Plants*, MS Thesis.
- 8/99 Floyd Johnson, *Self Sealing of Soil Through Alternating Sequences of Sodium Silicate and Sodium Carbonate Application with Ion Exchange Regenerate Resin Concentrate*, MS Thesis.
- 12/99 Sergio Saul Solis, *Water Desalination by Membrane Distillation Coupled with a Solar Pond*, MS Thesis.
- 5/01 Huanmin Lu, *Zero Discharge Desalination*, Ph.D. Dissertation.

- 5/01 Juan W. Santiago Clague Romero, *Experimental and Theoretical Investigation of the Mobilization, Immobilization and Sequestration of Subsurface Metals Through Manipulation of Carbonate Equilibria*, Ph.D. Dissertation (co-chair with N. Pingitore).
- 12/01 Mike Landis, *The "Forgotten River" of the Rio Grande/Rio Bravo: Investigation into The Reclamation of an Arid Riparian Ecosystem*, MS Thesis
- 12/01 Adrian Stresow, *Hazardous Waste Containment Cell, Help Model Comparison*, MS Project.
- 8/02 Kadambari Reddy, *Modeling And Remediation Design of the Sun Metro Oil Spill*, MS Thesis
- 12/02 Francisco Martinez, *Influence of Solar Radiation Factors on Desert Flora Site Selection*, Ph.D. Dissertation.
- 5/03 Juan Gomez, *Mobilization and Immobilization of Heavy Metals in Contaminated Soils by CO₂ Partial Pressure Manipulation*, Ph.D. Dissertation.
- 5/03 René Hilton, *Removal of Heavy Metals from Soils with Fulvic Acid Fractions, EDTA, and Citrate Chelates*, Ph.D. Dissertation.
- 12/03 Drew Hall, *A Conceptual Model for Physical Separation Processes in Mineral and Brine Formation at Yucca Mountain*, MS Thesis.
- 5/04 Jaime Romero, *Adsorption of Cr from Aqueous Solution onto Agave lechuguilla biomass*, Ph.D. Dissertation.
- 12/04 Ana Loya, *Mobilization, Immobilization, and Sequestration of Metals and Radionuclides in the Subsurface by Manipulation of the Aqueous Carbonate System*, MS Thesis.
- 12/04 Robert Rice, *Risk Prediction and Design of Disposal Systems*, Ph.D. Dissertation.
- 12/04 Jose Humberto Garcia, *Determination of PM Compositions and Sources in the El Paso del Norte Region Using Time-Resolved Integrated Source and Receptor Models*, Ph.D. Dissertation.
- 5/2005 Vamsee Veera, *Hydrology and Solar Radiation as Factors for Desert Vegetation Patterns*, MS Thesis.
- 5/06 Bill Hutchison, *Groundwater Management in El Paso, Texas*, Ph.D. Dissertation.
- 5/08 Gautam Agrawala, *Regional Groundwater Interpretation using Multivariate Statistical Methods*, Ph.D. Dissertation.
- 12/08 Arturo Woocay, *Multivariate Analysis of Groundwater Chemistry*, Ph.D. Dissertation

Professional Activities and Consulting (last 10 years)

- 1993 -1999 Southwest Research Institute; Waste package performance assessment; modeling of coupled processes; container corrosion; waste package environment.
- 1995 Electric Power Research Institute; Yucca Mt. radioactive source term review.
- 1995-1996 Chem-Nuclear, Inc.; Degradation of concrete canisters and poly liners for North

- Carolina Low Level Radioactive Waste site.
- 1998 El Paso Water Utilities; External expert for review of hydrogeology examination.
- 1998 Idaho National Engineering and Environmental Laboratory; Expert panel on vadose zone processes and modeling.
- 1998 - 1999 Sandia National Laboratories; Yucca Mountain High Level Nuclear Waste Repository, near field geochemistry.
- 1996 - 2000 US Department of Justice; Expert witness on issues of contaminant transport. To date I have worked on three cases covering ground water contamination and air pollution.
- 2000 - Portage Environmental; Degradation assessment of high level waste steel tank and vaults at the INL.
- 2001 - Nye County, Nevada; Oversight of Yucca Mountain. Water chemistry monitoring.
- 2002 - 2005 Resolution Law Group, Expert witness, hydrogen sulfide exposure.
- 2006 - Expert witness on El Paso flooding.
- 2008 US Department of Energy; Expert Review Panel for Tank Farm F Performance Assessment.
- 2009 US Department of Energy; Expert Review Panel for Saltstone Performance Assessment.

Publications and Presentations

℞ = refereed publication

- 1) Al-Qudah O.M., A. Woocay and J.C. Walton, "Groundwater Oxidizing and Reducing Conditions Near Yucca Mountain." *Eos Trans. AGU*, 89(53), Fall Meet. Suppl., Abstract H51B-0803, 2008. Presented at: American Geophysical Union Fall Meeting, San Francisco, CA, December 19, 2008.
- 2) Hamdan, L.K., J.C. Walton and A. Woocay. (2008). "Conceptual Model for Radionuclide Release from the Engineered Barrier Systems (EBS) at Yucca Mountain." *Eos Trans. AGU*, 89(53), Fall Meet. Suppl., Abstract H53E-1130, 2008. Presented at: American Geophysical Union Fall Meeting, San Francisco, CA, December 19, 2008.
- 3) ℞ Hamdan, L. K. and J.C. Walton, "Limitations on Radionuclide Release from Partially Failed Containers" Paper #: 1124-Q08-07, Abstract# 512698. Talk presented at 2008 Materials Research Society (MRS) Fall Meeting, Boston, MA, December 4, 2008. DOI: 10.1557
- 4) ℞ Rice, R. W. and J. C. Walton, Factors Affecting Risk Predictions: Can Some Risk Metrics be More Accurately Predicted Than Others?, *Nuclear Technology*, Vol. 163, No. 1, p. 15-23, 2008.
- 5) ℞ Woocay A. and J. C. Walton, Multivariate Analyses of Water Chemistry: Surface and Ground Water Interactions, *Ground Water*, Vol. 46, No. 3, pp. 437-449, 2008
- 6) ℞ Romero-Gonzalez, J., J.C. Walton, J.R. Peralta-Videa, E. Rodriguez, J. Romero, J.L. Gardea-Torresdey, Modeling the adsorption of Cr(III) from aqueous solution onto *Agave lechuguilla* biomass: Study of the advective and dispersive transport, *Journal of Hazardous Materials*, (in press)
- 7) ℞ Danko, G., Walton, J., and Bahrami, D., Increased Storage Capacity at Yucca Mountain Favors Thermal Management for A Cold Repository., *Nuclear Technology*, Vol. 163, No. 1, p. 47-61, 2008.

- 8) R Woocay, A., and J.C. Walton. 2008. Infiltration history at Fortymile Wash. *International High-Level Radioactive Waste Management Conference (IHLRWMC)*, Las Vegas, Nevada. La Grange Park, Illinois: American Nuclear Society. September 7-11, 2008, p. 41-46. ISBN: 978-0-89448-062-1
- 9) R Al-Qudah, O., A. Woocay, and J.C. Walton. 2008. Yucca Mountain Region Groundwater Geochemical Data Analyses. *International High-Level Radioactive Waste Management Conference (IHLRWMC)*, Las Vegas, Nevada. La Grange Park, Illinois: American Nuclear Society. September 7-11, 2008, p. 87-94. ISBN: 978-0-89448-062-1
- 10) R Hamdan, L.K., J.C. Walton, and A. Woocay. 2008. Limitations and patters of radionuclide release from partially failed containers. *International High-Level Radioactive Waste Management Conference (IHLRWMC)*, Las Vegas, Nevada. La Grange Park, Illinois: American Nuclear Society. September 7-11, 2008, p. 348-351. ISBN: 978-0-89448-062-1
- 11) R Rice, R.W., and J.C. Walton. 2008. Numerical Illustration: Effects of Uncertainty and Bias on Risk Predictions. *International High-Level Radioactive Waste Management Conference (IHLRWMC)*, Las Vegas, Nevada. La Grange Park, Illinois: American Nuclear Society. September 7-11, 2008, p. 588-592. ISBN: 978-0-89448-062-1
- 12) Pekar, K., J.C. Walton, and P. Goodell. 2008. Modeling of Transport Rates Through Unsaturated Soil at Peña Blanca. *International High-Level Radioactive Waste Management Conference (IHLRWMC)*, Las Vegas, Nevada. La Grange Park, Illinois: American Nuclear Society. September 7-11, 2008, p. 196-203. ISBN: 978-0-89448-062-1
- 13) Walton, J.C., Fate and Transport of Contaminants in the Environment, College Publishing, Glen Allen, Virginia, ISBN: 1-932780, 2008, (textbook)
- 14) Pekar, Katrins, Phillip Goodell, John Walton, Elizabeth Anthony, and MinhuaRen, Equation fitting U-Series Radionuclide Transport Through Soil at Pena Plana, Chihuahua, Mexico, American Geophysical Union 2007 Joint Meeting, May 22, 2007, Acapulco, Mexico (abstract and presentation).
- 15) Walton, J.C., L.K. Hamdan, and A. Woocay. 2008. "Controlling Features and Processes for Radionuclide Release from Yucca Mountain." Presented at: Devil's Hole Workshop, Furnace Creek, CA, May, 2008.
- 16) Al-Qudah, O., A. Woocay, and J.C. Walton. "Geochemical Characterization of Groundwater in Yucca Mountain Region." Presented at: Devil's Hole Workshop, Furnace Creek, CA, May, 2008.
- 17) Walton, John, August 2006 El Paso Flooding: Technical and Policy Factors, Universities Council on Water Resources, Boise Idaho, Plenary Speaker, July, 2007.
- 18) Woocay, A., and J.C. Walton, (2007). "Climate Change Effects on Groundwater Recharge East of Yucca Mountain." *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract H11F-0843, 2007. Presented at: American Geophysical Union Fall Meeting, San Francisco, CA, December 10, 2007.
- 19) Walton, John, A. Jaimes and A. Woocay, (2007). "Infiltration History and Spatial Variability Derived from Chloride Mass Balance." *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract H11C-0674, 2007. Presented at: American Geophysical Union Fall Meeting, San Francisco, CA, December 10, 2007.
- 20) Agrawala G.K., A. Woocay and J.C. Walton, (2007). "Statistical and Spatial Analysis of Borderland Ground Water Geochemistry." *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract H11C-0677, 2007. Presented at: American Geophysical Union Fall Meeting, San Francisco, CA, December 10, 2007.
- 21) Woocay, A. and J. Walton, Infiltration History and Spatial Variability Derived from Chloride Mass Balance and Groundwater Chemistry, Presented at: Devils Hole Workshop, Death Valley, May 2007.
- 22) R Bahrami, D., G. Danko, and J. Walton, Water, Vapor, and Salt Dynamics in a Hot Repository, Materials Research Society , Scientific Basis for Nuclear Waste Management XXX, Editors: Darrell Dunn, Christophe Poinssot, and Bruce Begg, Materials Research Society, Pennsylvania, 2007.
- 23) R Rice, Robert and John Walton, Design factors affecting the flow of water through below-ground concrete vaults, J. Envir. Engr., Volume 132, Issue 10, pp. 1346-1354, October 2006.

- 24) Woocay, Arturo and Walton, John C., (2006), Groundwater Chemistry Analysis by Multivariate Statistical Methods, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract H41B-0405, 2006. Presented at: American Geophysical Union Fall Meeting, San Francisco, CA, December 14, 2006
- 25) R José H. García, Wen-Whai Li, Nidia Cárdenas, Richard Arimoto, John Walton and David Trujillo, Determination of PM2.5 sources using time-resolved integrated source and receptor models, *Chemosphere*, Volume 65, Issue 11, December 2006, Pages 2018-2027.
- 26) Woocay, Arturo and Walton, John C., (2006), Evidence of Past Focused Infiltration at Fortymile Wash, *Geological Society of America Abstracts with Programs*, Vol. 38, No. 7, p. 335, 2006. Presented at: GSA Annual Meeting, Philadelphia, PA, October 24, 2006.
- 27) Walton, J, G. Danko, and D. Bahrami, Effect of cyclic, sporadic, or episodic processes on evolution of environments in a repository in Yucca Mountain, Invited Presentation at the Nuclear Waste Technical Review Board Corrosion Workshop, Las Vegas, NV, September, 2006.
- 28) Agrawala, Gautam K., Woocay, Arturo and Walton, John C.,(2006) Multivariate Statistical Analysis of the Hueco-Mesilla Basin Groundwater Aquifer System-Presented at 2006 Groundwater Summit in San Antonio,TX,2006
- 29) Agrawala, Gautam K. and Walton, John C.,(2006),Multivariate Statistical Analysis of the Tularosa Basin, Presented at 2006 New Mexico Water Research Symposium, Socorro, NM,2006
- 30) Agrawala, Gautam K and Walton, John C.,(2006),Multivariate Statistical Analysis of the Hueco-Tularosa Basin, Presented at 2006 AGU Fall Meeting, San Francisco, CA,2006
- 31) R Hall, Drew and John Walton, Conceptual model for flow separation processes affecting waste package chemical environment, Yucca Mountain, Nevada, *Applied Geochemistry*, Volume 21, Issue 6, Pages 859-869, June 2006.
- 32) R Veranth, John M, Moss, Tyler A., Chow, Judith C., Labban, Raed, Nichols, William K., Walton, John C., Watson, John G, Yost, Garold S., Correlation of In Vitro Cytokine Responses With the Chemical Composition of Soil-Derived Particulate Matter, *Environ Health Perspect.* 2006 March; 114(3): 341-349.
- 33) R Woocay, Arturo and Walton, John C., Climate Change Effects on Yucca Mountain Region Groundwater Recharge, *IHLRWM 2006*, Las Vegas, NV, April 30-May 4, 2006, 191-198, 2006
- 34) Rice, Robert and John Walton, **Factors Affecting Risk Predictions: Proposed Rule And Other Risk Metrics**, *IHLRWM 2006*, Las Vegas, NV, April 30-May 4, 2006, 191-198.
- 35) Woocay, Arturo and Walton, John C., (2006), **Multivariate Statistical Methods Applied to Surface and Groundwater Interactions**, *Abstract Book of the 2006 Ground Water*, p. 94, 2006. Presented at: NGWA 2006 Ground Water Summit, San Antonio, TX, April 22-27, 2006."
- 36) Romero-Gonzalez, J, J.C. Walton, J. R. Peralta-Videa, E. Rodr'guez, S. L. Ramirez, J.L. Gardea-Torresdey.Study of the advective and dispersive transport of the binding of Cr(III) from aqueous solution onto Agave lechuguilla biomass, *Journal of Hazardous Materials*, in review.
- 37) Woocay, Arturo and Walton, John C., **Infiltration Dates Derived from Chloride Mass Balance**, Poster presented at: Devil's Hole Workshop, Furnace Creek, CA, April, 2006.
- 38) Walton, John and Arturo Woocay, Nye County Ground Water Chemistry Analysis Report for the Early Warning Drilling Program April 2004 - March 2005, NWRPO-2005-01, May 2005.
- 39) Goodell, Philip, Walton, John, and Rodriguez, Alfredo, Future Studies At Pena Blanca: Radionuclide Migration In The Vadose Zone Of An Alluvial Fan, *Geological Society of America Abstracts with Programs*, Vol. 37, No. 7, p. 453, 2005.
- 40) Walton, John, Goodell, Philip, Beshears, Charles, French, Diana, and Kelts, Aaron, Radionuclide Dispersion Rates By Aeolian, Fluvial, and Porous Media Transport, *Geological Society of America Abstracts with Programs*, Vol. 37, No. 7, p. 268, 2005.

- 41) Woocay, Arturo Walton, John C., and King, Michael, **Multivariate Statistical Methods Applied to Interpretation of Hydrological Data**, Presented at: 2005 New Mexico Water Research Symposium, Socorro, NM, August 16, 2005.
- 42) Woocay, Arturo and Walton, John C., **Focused Infiltration Effects on Amargosa Desert Regional Groundwater Chemistry**, Presented at: Devil's Hole Workshop, Furnace Creek, CA, May, 2005.
- 43) Woocay, Arturo and John Walton, (2005), **Statistical Analysis of Yucca Mountain Regional Groundwater Chemistry Evolution**, Presented at: Waste Management Symposium, Mar, 2005.
- 44) Agrawala, Gautam K. and Walton, John C., **Source Analysis for VOC Data at The Camino Real Landfill, Sunland Park, NM**, Presented at the Twentieth International Conference on Solid Waste Technology & Management, Philadelphia, PA, 2005.
- 45) Agrawala, Gautam K. and Walton, John C., (2005), **Multivariate Statistical Analysis of the Membres Basin Groundwater Aquifer System**-Presented at 2005 New Mexico Water Research Symposium, Socorro, NM, 2005
- 46) Romero-Gonzalez, J., Cano-Rodriguez, I., Walton, J.C., Peralta-Videa, J.R., Rodriguez, E., Gardea-Torresdey, J.L. **Column studies of the adsorption and reduction of Cr(VI) from an aqueous solution by Agave lechuguilla biomass.** *Revista Mexicana de Ingenieria Quimica* 4, 257-268, 2005
- 47) Rodriguez-Pineda, J. Alfredo, Goodell, Philip, Dobson, Patrick F., Walton, John, Oliver, Ronald D., De La Garza, Rodrigo, And Harder, Steve, **Regional Hydrology of The Nopal I Site, Sierra De Pe-a Blanca, Chihuahua, Mexico**, Geological Society of America Abstracts with Programs, Vol. 37, No. 7, p. 196, 2005.
- 48) Woocay, Arturo and Walton, John C., (2005), **Groundwater Evidence of Past Climate Change in The Amargosa Desert**, *Geological Society of America Abstracts with Programs*, Vol. 37, No. 7, p. 468, 2005. Presented at: GSA Annual Meeting, Salt Lake City, UT, October 19, 2005.
- 49) Walton, John and Woocay, Arturo, (2005), **Nye County Ground Water Chemistry Analysis Report for the Early Warning Drilling Program April 2004 - March 2005**, *NWRPO-2005-01*, May 2005.
- 50) Li, W. -W., N. Cardenas, R. Arimoto, J. Walton, D. Trujillo, H. Morales. 2004. **PM source identification at Sunland Park, New Mexico using a simple heuristic meteorological and chemical analysis.** *Journal Air and Waste Management Association*, 55:352-364, March 2005.
- 51) Walton, J.C., F. Martinez-Gonzalez, and R. Worthington, **Desert Vegetation and Timing of Solar Radiation**, *Journal of Arid Environments*, Volume 60, Issue 4, Pages 697-707, March 2005.
- 52) H. Becerra, J. Walton, H. Lu, **Salinity Gradient Solar Ponds: A Useful Technology in Concentrate Management and Desalination?**, Presented at: 2004, National Salinity Management and Desalination Summit, Las Vegas, December 13-14, 2004.
- 53) A. Woocay and J. Walton, **Multivariate Analysis of Amargosa Valley, NV Groundwater Chemistry**, Presented at: AGU Fall Meeting, San Francisco, 2004.
- 54) A. Woocay and J. Walton, **Groundwater Flow Paths and Trends in Nye County, Nevada Based Upon Correspondence Analysis of Major Ion Chemistry**, Presented at: Devil's Hole Workshop, Pahrump, NV, June 2-4, 2004.
- 55) H. Becerra, J. Dowdy, H. Lu, and J. Walton, **Zero Discharge Waste Brine Management for Solar Desalination Plants**, World Renewabel Energy Congress VIII, August 29 - September 3, 2004, Denver, Colorado.
- 56) Walton, J.C. and D. Hall, **Alternate Conceptual Models for Engineered Barrier System Chemistry and Performance**, Presented to: Nuclear Waste Technical Review Board, January 19, 2004, Las Vegas.
- 57) Arimoto, R., W.-W. Li, N. Cardenas, J. Walton, D. Trujillo, H. Morales, S. Sage, C. Schloesslin, 2003. **Investigations of the Low Wind Particulate Matter Spikes at the Sunland Park, New Mexico Monitoring**

- Site. Paper presented in the 2004 Border Regional Environmental Conference, Feb. 10 - 12, 2004, Laredo, TX
- 58) R J. H. Garcia, W.-W. Li, J. Walton, R. Arimoto, C. Schloesslin, S. Sage, R. Okrasinski, J. Greenlee, 2004. Characterization and Implication of Potential Fugitive Dust Sources in the Paso del Norte Region, *Jl. Science of the Total Environment*. Volume 325, Issues 1-3, Pages 95-112
 - 59) Danko, George, Davood Bahrami, and John Walton, Status of Nye County Ventilation Studies, Invited presentation to: Nuclear Waste Technical Review Board, January 19, 2004, Las Vegas.
 - 60) R Peralta-Videa, J.R., J.L. Gardea-Torresdey, J. Walton, W. P. Mackay, M. Duarte-Gardea, Effects of Zinc upon Tolerance and Heavy Metal Uptake in Alfalfa Plants (*Medicago sativa*), *Bull. Environ. Contam. Toxicol.* 70:1036-1044, 2003.
 - 61) Garcia, J. H., W.-W. Li, J. Walton, R. Arimoto, C. Schloesslin, S. Sage, R. Okrasinski, J. Greenlee, W. Gutman. 2003. Implications on Contributing Sources by Chemical Composition in Regional Surficial Soil, Paper presented in the North American Research Strategy for Tropospheric Ozone (NARSTO) Workshop on Innovative Methods for Emission Inventory and Evaluation, Oct. 14 - 17, 2003, Austin, Texas
 - 62) Hall, Drew and John Walton, Patterns and Trends in the Water Chemistry of Nye County Wells. Presented at: Devil's Hole Workshop and Death Valley Regional Flow Model Technical Interaction Meeting, May, 2003.
 - 63) Hall, Drew and John Walton, Nye County Ground Water Chemistry Monitoring, Sampling and Analysis Report for the Early Warning Drilling Program Fiscal Year 2002, May, 2003.
 - 64) Walton, John and Drew Hall, Evaporation, Reconstitution, and Water Chemistry, Invited presentation at: NRC and DOE Performance Assessments: Assumptions and Differences, Washington, DC, March 25-27, 2003.
 - 65) Paschold, H., H. Morales, W. Li, and J. Walton. 2002. Evaporative Cooler Effects on Indoor PM concentrations under laboratory conditions. Paper presented in the Rio Bravo/Rio Grande Environmental Conference, South Padre Island, Texas, Feb. 20 - 23, 2002.
 - 66) R Hall, Drew and John Walton, Physical Separation Processes and EBS Water Chemistry – A Modeling Study, 10th International High Level Waste Management Conference, American Nuclear Society, Las Vegas, Nevada, April, 2003.
 - 67) R Paschold, H, W. Li, H. Morales, and J. Walton, Laboratory Study of the Impact of Evaporative Coolers on Indoor PM Concentrations, *Atmospheric Environment*, 37:1075-1086 (2003).
 - 68) Lu, H., J. Walton, S. Irvine, and H. Remmers, Memorandum Report: Conceptual Application and Feasibility of Salinity Gradient Solar Pond Technology in San Joaquin Valley, California, DWR of California, 2002.
 - 69) Paschold, H., H. Morales, W. Li, and J. Walton. 2002. Field study of the impact of evaporative coolers on PM concentrations. Paper presented in the Rio Bravo/Rio Grande Environmental Conference, South Padre Island, Texas, Feb. 20 - 23, 2002.
 - 70) Walton, John and Huanmin Lu, US Experience with Solar Ponds: Current and Future Trends, Presented at: Euromed Conference on Solar Ponds, Tunis, Tunisia, December, 2001.
 - 71) Garcia, J., W. Li, J. Walton, 2001. Multivariate analysis of wintertime inorganic PM data. The 2001 SCERP Conference: Promoting Policies to Implement the Vision. October 17-19, 2001, Universidad Autonoma de Baja California, Mexico.
 - 72) Lu, Huanmin, John Walton, Andrew Swift, and Herbert Hein, Fundamentals of Solar Pond Operation and Technology Advancements at the El Paso Solar Pond, Presented at: Euromed Conference on Solar Ponds, Tunis, Tunisia, December, 2001.
 - 73) Walton, John and Huanmin Lu, Solar Pond Coupled Desalination and Electricity Production, Presented at: Euromed Conference on Solar Ponds, Tunis, Tunisia, December, 2001.

- 74) Gomez, J.D., J. Walton, and N.E. Pingitore, Mobilization of Heavy Metals in Contaminated Soils Using CO₂ Manipulation, 2001 American Water Resources Conference, Albuquerque, 2001.
- 75) Hilton, R.V., J. Walton, and N.E. Pingitore, Mobilization and Sequestration of Subsurface Metals Through pCO₂ Manipulation, 2001 American Water Resources Conference, Albuquerque, 2001.
- 76) Walton, John, Upstream Water Reuse and Development Impacts on Rio Grande Water Quality, The Southwest Center for Environmental Research and Policy's 2001 Annual Technical Conference, entitled "Sustainable Development in the U.S.-Mexico Border Region," Mexicali, B.C., Mexico on October, 2001.
- 77) ㄹ Lu, H., J. Walton and A. Swift, "Desalination Coupled with Salinity-Gradient Solar Ponds," *Desalination* 136 (2001) 13-23.
- 78) ㄹ Walton, John and Gregory Ohlmacher, Surface and Ground Water Interactions: El Paso – Ciudad Juarez Region, SCERP Monograph Series, No. 2, Water issues along the U.S.-Mexican border, Ed: Paul Westerhoff, .pp. 21-29, San Diego State University Press, 2000.
- 79) Walton, J.C., H. Lu, C. Turner, A. Swift, Desalination in the Inland Desert, Invited Keynote Presentation at: *International Conference on Desalination Strategies in South Mediterranean Countries*, Jerba, Tunisia, September, 2000.
- 80) ㄹ Lu, H. J. Walton and A. Swift, "Zero Discharge Desalination," *Desalination & Water Reuse*, Vol. 10. No. 3, November/December 2000.
- 81) ㄹ Walton, C.L. and J.C. Walton, Efficiency of bicycle chain drives – results at constant velocity and supplied power, *Human Power* No. 51, IHPVA, San Luis Obispo, CA., pp. 14-15, 2000.
- 82) Garcia, Jose H., John C. Walton, and Wen-Whai Li, Oxone Prediction Based on Simple Meteorological Models, Proceedings Texas Section-ASCE Fall 2000 Meeting, El Paso, Texas, p. 11-20, 2000.
- 83) Clague, Juan, W., Nicholas E. Pingitore, and John C. Walton, Induced Subsurface Mineral Growth to Sequester Radionuclides and Toxic Elements by Coprecipitation with Calcite, Proceedings Texas Section-ASCE Fall 2000 Meeting, El Paso, Texas, p. 33-42, 2000.
- 84) Magallon, Angel G. and John C. Walton, Development Impacts on Rio Grande Water Quality, Proceedings Texas Section-ASCE Fall 2000 Meeting, El Paso, Texas, p. 281-290, 2000.
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Education

University of Texas at Austin: Plan II, BA degree,
Highest Honors; University of Vienna, Austria
(Liberal Arts Post Graduate Degree; University of
Texas at El Paso, MBA Degree, 4.0 GPA
(Concentration: Finance)

Teaching Experience

University of Texas at El Paso: Corporate Finance;
Money and Banking; Investments; Macro-Economics;
Micro-Economics.
Guest Lecturer Webster University, Ft. Bliss campus;
Guest Lecturer, UT Austin.

Related Experience

Math tutor at mid-school and high school levels in both
public and private schools;
Co-created the Volunteers in Public Schools program
in El Paso;
Handled in-service training programs for teachers;
Trained volunteers for testing and tutoring programs;
Conducted seminars on long-range planning, financial
planning, political process, board training, marketing
and audience building for non profit arts organizations.

Businesses Owned

Abbey Lane Gallery (Colorado) (1978-1989)
The Old Firehouse Bed & Breakfast and Ice Cream
Parlour (Colorado) (1989-2002)

Past Board Affiliations

El Paso City Charter Commission, Executive Comm.
Co-Chair and Finance Chair (City-wide election)
4 Centuries '81 Consultant and Organizer
West Texas Council on Alcoholism
El Paso Council on Alcoholism (Chair)
Aliviane (Chair) (Drug Education/Rehab)
Mayor's Advisory Council on Drug Abuse
Junior League of El Paso (Board of Managers)
Originated/created the Junior League "Christmas Fair"
Festival Theatre of El Paso (Chair, Co-Founder)

Past Bd. Affiliations con't

Creede Repertory Theatre, Creede, Colorado
Volunteers in Public Schools (Co-creator and Chair)
YWCA Credit Counseling Service Board
Omar N. Bradley River Park Project
Mass Transit Authority Interim Board (Chair)
Sun City Area Transit Advisory Board
El Paso Community Foundation (Co-creator and
Founder)
Americana Museum
Zarzuela of El Paso (Founder and Chair)
El Paso Women's Political Caucus
Industrial Development Corporation
Renaissance 400
El Paso Cultural Planning Project (Founder/Exec. Dir.)
United Way (Budget)
Texas Lyceum Advisory Board
Texas Asso. For Promotion of the Arts (State
appointment)
UT Austin Centennial Commission
(Board of Regents appointment)
Leadership Texas (Board)
Leadership America (Initial Board)
El Paso Public Arts Commission
International Hispanic Cultural Institute (Board)
President's Associates Board (UTEP)
El Paso Community Foundation Investment Committee
Aliviane (Board Chair)

Current Involvements

Museums and Cultural Affairs Board (City of El Paso)
Public Arts Committee
El Paso Museum of Art Foundation (Board)
Los Paisanos de El Chamizal (Immed. Past chair)
UT Austin Fine Arts Advisory Board
UT Austin Centennial Commission Advisory Board
UT Austin "Commission of 125"
Creede Repertory Theatre Board, Creede, Colorado
AC/DC (Arts and Culture Downtown Corridor)

Memberships

Executive Forum
Junior League of El Paso (Sustainer)
Leadership Texas
Leadership America
Paso Del Norte Group

Selected Awards

REACH Award (Recognized Achievement by Women:
Professional category)

El Paso Women's Political Caucus (Woman of the Year)

"Yellow Rose of Texas" Volunteer Award (Governor's
Office)

Outstanding Volunteer (Coors Brewery)

Outstanding Service Award (Aliviane)

Boy Scouts of America (Recognition of Achievement)

Outstanding Contribution to the Aging (Council on Aging)

Outstanding Contribution to the Arts (Council on the Arts)

El Paso Commission for Women Hall of Fame

Conquistador Award, City of El Paso (2003)

El Paso Community Foundation (Great Gift Designation)

Parents:

Howard and Juanita Fulwiler (Deceased)

Children:

Kaylee Brennand- Bloomfield (Avon, Colorado)

Beverly Brennand Rasmussen (Edwards, Colorado)

Susan Brennand Birdsey (Rifle, Colorado)

James Fulwiler Brennand (Creede, Colorado)

Grandchildren:

Luke Rasmussen

Elisse Rasmussen

Cole Birdsey

Kaitlin Birdsey

Kyote James Brennand

September 21, 2009

Paula Apodaca, Consumer Affairs Officer
El Paso Water Utilities
1154 Hawkins Blvd.
El Paso, Texas 79925

Dear Ms. Apodaca:

This letter is in reference to the Public Service Board vacancies. Attached with this letter is my resume for your review. I would like to be considered for one of the vacancies.

Besides my active roles at NMSU Dona Ana Community College, I serve on some national organizations such as the past national President of the Board of Directors for Kappa Beta Delta and Region 6 Commissioner for ACBSP. I have also served on the Brownsfield Advisory Board for the City of El Paso and serve as a Deacon at The First Presbyterian Church in El Paso.

My education background also includes a diverse understanding within the maquiladora manufacturing industry. I have thirteen years of experience within this particular environment.

Emma Acosta, Mayor Pro Tem was one of my students at Webster University. She also attended El Paso High School at the same time I did.

For additional information, you may contact me at 915 or at
andsauce@nmsu.edu.

Sincerely,

Andy C. Saucedo

Andy C. Saucedo

El Paso, Texas 79902
andsauce@nmsu.edu

SUMMARY

Bilingual: English/Spanish (speak), strong background in maquiladora manufacturing management, logistics, inventory control, cycle counting programs; sales, merchandising, customer service; college curriculum course development, general business, management, ESL teaching. Training and development in management, motivation, decision making, career management, resume and employment preparation, human resources management, cultural diversity, general finance principles. Wall Street Journal Award, Excellence in Teaching Award – NMSU DACC & Region 6 ACBSP, Who's Who Among America's Teachers, Volunteer of the Year – Junior Achievement of the Desert Southwest, ETS National Two-Year Test Creation Team, ACBSP Evaluator, ACBSP Commissioner, National President – Kappa Beta Delta Board of Directors, Sam Walton Fellow, Actor – Nash Productions.

EDUCATION

Ph.D., Interdisciplinary Studies, Management, Education Management, (minor, Economics), anticipated graduation date, December 2009. New Mexico State University, Las Cruces, New Mexico.

M.B.A., Business Administration, Sul Ross State University, Alpine, Texas, 1986.

B.S., Business Administration, The College of the Ozarks, Clarksville, Arkansas, 1977.

PROFESSIONAL EXPERIENCE

NMSU Dona Ana Community College
Las Cruces, New Mexico

08/93 to Present

Professor – Business Occupations Program

Other positions held:

Associate Professor (07/03 to 06/05)

Program Coordinator/Associate Professor (07/00 to 06/03)

Program Coordinator/Assistant Professor (07/96 to 06/00)

Program Coordinator/Instructor (08/93 to 06/96)

The Hoover Company
El Paso, Texas

11/88 to 08/93

Production Control Coordinator

Cooper Industries
El Paso, Texas/Juarez Mexico

07/85 to 11/88

Inventory Control Manager

Mercury Marine
El Paso, Texas

03/80 to 06/85

Warehouse Operations Manager

REFERENCES AVAILABLE UPON REQUEST



RICHARD T. SCHOEPHOERSTER

BIOGRAPHICAL SUMMARY

Dr. Schoephoerster received his B.S. in Biomedical Engineering in 1985, and his M.S. (1986) and Ph.D. (1989) in Mechanical Engineering, all from the University of Iowa. He joined Florida International University (FIU) in 1990, rising in the ranks from Research Associate to Assistant Professor (1992), Associate Professor (1996), and Full Professor (2001) over his seventeen years at the institution. He established and served as the initial Director of the Cardiovascular Engineering Center in 1997. In 1999 he served as PI for a \$1 million grant from The Whitaker Foundation that established the Biomedical Engineering Institute with Dr. Schoephoerster as the Director. The Institute was converted to a Department status in August 2003 with Dr. Schoephoerster as the Founding Chair. The Department was formed on the foundation set by a \$5 million grant (with \$5 million matching from the State) from the Wallace H. Coulter Foundation. In 2005 Dr. Schoephoerster was named the Wallace H. Coulter Eminent Scholars Chair in Biomedical Engineering.

In 2007 Dr. Schoephoerster accepted the position as Dean of the College of Engineering at the University of Texas at El Paso. Here he leads a College of over 2500 students (including approximately 500 graduate students) in 17 different BS, MS, and PhD degree programs, and 80 faculty members in six different departments with approximately \$15 million in research funding from local, state, and national agencies and companies.

Dr. Schoephoerster has been very active in developing educational programs. He led the efforts to establish the BS, MS, and PhD programs in biomedical engineering at FIU, all within a five year time span (1999-2004). Dr. Schoephoerster has also been very active in developing academia/industry partnership programs. In 2001 he led the establishment of the FIU Biomedical Engineering Partnership Program, a joint enterprise of FIU, healthcare providers, and biomedical companies. A portion of its activities have been funded through a \$600,000 grant from the National Science Foundation's Partnership for Innovation Program.

Dr. Schoephoerster maintains an active research program in the area of biofluid mechanics and cardiovascular devices, with a major focus on cardiac applications. He has over 80 journal

publications and presentations of his research at regional, national, and international conferences. His research interests run from the basic (role of mechanics on cardiovascular disease development) to the applied (development of novel cardiovascular devices). He has received over \$2 million as PI and Co-PI on research project funding from the National Institutes of Health, the American Heart Association, the National Research Council, and the biomedical industry. In 2008 he was elected a Fellow of the American Institute of Medical and Biological Engineering.

Dr. Schoephoerster is also very active in the profession. He has served on a variety of local and national committees and boards for the American Heart Association for the past 13 years, including serving as Chair of the National Bioengineering and Biotechnology Research Peer Review Committee. He has also served on the Florida Biomedical Research Advisory Council, the Wallace H. Coulter Foundation Early Career Award Panel, and the NSF Biomedical Engineering CAREER Panel.

September 14, 2009

Paula Apodaca, Consumer Affairs Officer
El Paso Water Utilities
1154 Hawkins Blvd.
El Paso, TX 79925
papodaca@epwu.org

Dear Paula

This is my application for the Citizen Advocate seat on the Public Service Board of the El Paso Water Utility. My resume is included.

I believe I meet or exceed all the posted qualifications. As you probably know, I have been involved with the PSB for the last 7 years. At first as an outspoken critic of the Board, however with time a constructive and amicable relationship has developed with mutual respect for our goals.

Please, do not misinterpret this to mean I am now completely content or complacent. My vision for the Board includes better public involvement, greater transparency, evolved use of "green" methodology for our water/ waste water resources and trending toward more open space preservation.

When considering me for this position, I hope you will look beyond qualifications and intangibles. I believe commitment, past job performance, ethics and character are equally important. I asked to be placed on the Citizens Storm Water Advisory Committee. Once accepted, I prepared for, participated in and attended all meetings. I will continue the same discipline and dedication if accepted to the PSB.

Sincerely,

Richard C. Bonart DVM



Resume for Richard C. Bonart
September 18, 2008

Contact information:

Office: 915-833-5777 Mobile: ' Fax: '

Email: r

Education:

Graduated Coronado High School: 1970

Bachelor of Science Microbiology UTEP: 1975

Doctor of Veterinary Medicine Texas A&M University: 1979

Employment:

El Paso Animal Emergency Center Inc., DVM and Vice President: 1980-1990

Belvidere Animal Clinic, DVM and owner: 1987-present

CEO Danart Software LLC: 2008-present

Community Service:

Helped develop Blasting Regulations for The City of El Paso

Helped to develop Northwest Master Plan and received Certificate of Appreciation from the City of El Paso as a Citizen Planner

Helped to develop Open Space Master Plan for El Paso

Served on the Open Space Sub Committee

Negotiated with TXDoT for green development of Spur 276 and a pedestrian underpass on Loop 375

Current member in charge of City Affairs: Borderland Mountain Bike Association (BMBA)

Served on the Stormwater Advisory Board

Treasurer for SPAC: Citizens for Flood Prevention

Current Chairman Open Space Advisory Board

Robert A. Ardovino El Paso, Texas 79902

September 20, 2009

Paula Apodaca, Consumer Affairs Officer

El Paso Water Utilities

papodaca@epwu.org

To the PSB Selection Committee,

I am interested in serving my community by involvement on the Public Service Board. Enclosed is my resume of volunteer positions and organizations that I have been working with during my last 15 years.

I am 40 years old, married with two young boys. I have lived in the Paso Del Norte region for most of my life. Our backyard was Crazy Cat Mountain and I spent a better amount of my youth exploring the deserts and arroyos of West Texas and Southern New Mexico. I attended Mesita Elementary, El Paso High, and took some courses at UTEP, and UT in Austin. I graduated with a BA from The Art Center Collage of Design in Los Angeles, California, where I lived and worked in for many years in the industry as a professional photographer. I returned to Sunland Park, New Mexico to build and start my family business, Ardovino's Desert Crossing, and the Desert Crossing Farmers' Market. The Market, the Restaurant, and my family are what I am most proud of.

I enjoy working for the betterment of community and the sustainability of our environment thru the various boards and groups I assist with. I believe this past experience and level of involvement gives me unique experience in helping with the Complexities that the PSB faces in the days, months and years ahead.

Thank you for your consideration.

Robert A. Ardovino

ROBERT A. ARDOVINO

EDUCATION

Art Center College of Design,
Pasadena, California
B.S., Fine Arts, 1992

El Paso High School
El Paso, Texas

WORK EXPERIENCE

November, 1997 – present **ARDOVINO'S DESERT CROSSING**
Sunland Park, NM 88063
Owner
President and CEO for restaurant, banquet facility, and farmers' market.

May, 1992 - present **ARDOVINO PHOTOGRAPHY**
El Paso, Texas 79902
Owner
Owned and operated commercial photography company in Los Angeles, California and El Paso, Texas.

BOARD EXPERIENCE

Chairman, City of Sunland Park Planning and Zoning Commission, 2002-2008

Treasurer, New Mexico Farmers' Market Association, 2008-2009

Founding Member, Fonterra Land Alliance, 2007

Founding Member, Sunland Park Grassroots Environmental Group, 2001-present

Celebration of Our Mountains, President-2006, Board Member, 2005-2007

Tierra Madre Sustainable Housing Development, Sunland Park, New Mexico, Board Member 2005-2006

Member, City of Sunland Park Downtown Master Plan Committee, 2008

Member, City of Sunland Park City Master Plan Committee, 2005

Member, Joint Advisory Committee on Air Quality – El Paso Region – 2008-2009

President, Sunland Park River Trail Committee, 2003

OTHER

Life Member, Sierra Club

Member, Get the Lead out Coalition

Mona Goldberg

Business Experience

1990–present Supreme Laundry and Cleaners, Inc. El Paso, TX

Chief Financial Officer and Owner

Supreme Laundry and Cleaners, Inc. owns and operates 13 retail dry cleaning stores under the names of Supreme Laundry and Cleaners, Eagle Cleaners, and Payless Cleaners. It also launders hospital linen, rents uniforms and dust control products. Supreme employs approximately 150 individuals. Member El Paso Chamber of Commerce and Hispanic Chamber of Commerce.

- Implement systems to run operations.
- Employee management.
- Oversee finances within business, perform internal audits, prepare miscellaneous government reports, and handle all dealings with financial institutions.
- Contact with customers and vendors.

2008–present El Paso Bench Ads LLC El Paso, TX

CEO and Owner – sell advertising on bus benches.

1992–present El Paso BS Co., Inc. & River Elms LLC El Paso, TX

Treasurer and Owner – both are real estate investment companies.

1986–1990 Dubin's Clothiers Inc. El Paso, TX

Owner – retail clothing store

- Prepared bank loan package for start-up loan.
- Made all purchases for men's and women's clothing and accessories to be sold in the store.
- Daily store operations; opening and closing of store; customer sales and relations; vendor and bank contact; store displays; management of six employees at any one time.

1982–1986 Interfirst Bank, El Paso El Paso, TX

**Professional and Executive Lending Officer, Bookkeeping Manager,
Loan Operations Manager**

1980–1982 Interfirst Bank, Dallas Dallas, TX

Administrative Assistant - U. S. & Canada Lending Group

- Cash management of customers regarding balance requirements.
- Established a marketing system on personal computers within the Department to track customer contact and services provided.
- Prepared loan packages and attended loan committee meetings.

1979-1980 Neiman Marcus Dallas, TX

Sales Associate

Education

1975–1979 Louisiana State University Baton Rouge, LA

- B.S., General Studies.

**Volunteer
Experience**

- **Treasurer** 2004-2009. President of the Board 1998-2001, El Paso Drive-A-Meal Council, past Nominating Committee, By-laws Committee, Board Member since 1993.
- **Board Member** 2004-2009, Mary Peyton Foundation.
- **Treasurer** 2006-2007, Coronado High School PTSA, past Membership Vice President, 2004-2006.
- **Treasurer** 1998-2000, National Council of Jewish Women, El Paso Chapter, past Treasurer, Assistant Treasurer, Nominating Committee, Vice-President Public Affairs, Board Member since 1986.
- **Board Member** 1998-2000, B'nai Zion Synagogue Sisterhood .
- **Treasurer** 1998-1999, 1991-1992, El Paso Symphony Guild Debutante Ball.
- **Past Board Member** Junior League of El Paso, Inc., Chairman Resource Development, Chairman Training and Computer Committee, Resource Development Committee, Christmas Fair Treasurer, Seasoned With Sun Cookbook Treasurer, Bookkeeper, and other various committees.
- **Forum Moderator** 1997-2000, Young Presidents Organization.
- **Past Member** 1997-1998, El Paso Family and Closely Held Business Forum.
- **Table Captain** 1995-2000 annual YWCA Women's Luncheon.
- Various other fund raising and volunteer activities for organizations including Junior Achievement, American Heart Association, American Cancer Society, Hadassah, Rio Grande Girl Scout Council, Zach White Elementary School, Lincoln Middle School, El Paso Jewish Community Center, Jewish Federation of El Paso.

**Other
Business
Experience
and Training**

- Leadership El Paso Class 17, monthly meetings regarding business and economy of El Paso and Juarez for one year.
- Moderator Training Program in Dallas, Texas.
- Seminar on "7 Habits of Highly Effective People" led by Stephen Covey.
- Seminar on "Setting Family Goals" led by Barbara and Charlie Dunlap.
- Seminar on "Analysis of Management" led by Dr. Ichak Adizes.
- Seminar on "The Magic of Conflict" led by Tom Crum.
- Seminar on Mergers, Acquisitions, and Finance led by Alexander Capello.
- Seminar on the Political Economy of China led by Li Lu.
- Seminar on the Functions of the Federal Reserve System led by Robert D. McTeer, Jr.
- Seminar on Business and Personal Risks led by John Paling, Ph.D.
- Other various personal and business training sessions and seminars.

