

RESUME'

NAME: William L. Roach

ADDRESS:

Business: School of Business
Washburn University
1700 SW College Ave.
Topeka, KS 66621-0001

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Lawrence, KS 66047-2706

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EDUCATION:

Degree: Ph.D.
School: University of Michigan
Major: Business Administration
(Statistics and Management Science)

Degree: M.B.A.
School: Northwestern University
Major: Quantitative Methods

Degree: B.S.
School: University of Notre Dame
Major: Mathematics

ACTUARIAL EXAMS:

Life/Health Associate,
Society of Actuaries
(A.S.A.)

Property/Casualty
Casualty Actuarial Society
Parts 4, 6 passed

AMATEUR RADIO

Extra Class KDOMOW
Accredited Volunteer Examiner ARRL-VEC, W5YI-VEC
Auxiliary Communications Team ACT-463,
Douglas County, Kansas

EMPLOYMENT:

2009 – present 1986- present	Chair, SOBU General Faculty Professor School of Business Washburn University Topeka, KS
1983-1986	Associate Professor School of Business Washburn University Topeka, KS
1979-1983	Actuary Property/Casualty and Life/Health Kansas Insurance Department Topeka, KS
1974-79	Assistant Professor School of Business University of Kansas Lawrence, KS
1971-1974	Lecturer, Assistant Professor School of Business Eastern Michigan Univ. Ypsilanti, MI
1970-1971	Teaching/Research Assistant School of Business University of Michigan Ann Arbor, MI
1968-1969	Operations Research Analyst A. O. Smith Corporation Milwaukee, WI
1966-1968	Actuarial Technician Continental Assurance Chicago, IL

INTERNATIONAL PROGRAMS:

Texas A & M University
Faculty Development in International Business Program
May 2001 (Monterey, Mexico City, Puebla)

AREAS OF PROFESSIONAL INTEREST:

RFID chips, track and trace
Supply Chain Management, TLCM
Rural Economic Development & mobile IT
Diversity – LGBT issues
Environment / Sustainability
Operations Management
(Inventory Theory)

AWARDS AND HONORS:

Beta Gamma Sigma (1973)

ALCOA Fellowship
Summer Institute (1977)
Advanced Management Studies
Carnegie-Mellon University

Phi Kappa Phi (1987)

Herrick Award for
University Service (2005)

Numerous website awards
Horatio Alger, Jr. Resources website
GLBT Scholarship website
(subsumed by HRC)
LGBT Community Service Award 2010

Kaw Valley Bank (SOBU)
Excellence in Research Award 2012

MEMBERSHIPS:

Society of Actuaries (A.S.A.)
Beta Gamma Sigma
Phi Kappa Phi
Decision Sciences Institute
Academy of Management (OM &History)

REFERENCES: Furnished on request

LIST MANAGER WU-FORUM (Washburn AAUP)
SOBU (SOBU faculty and staff)
Kansas-Studies (Kansas Studies Center)

WEB MASTER Horatio Alger Resources
Home Page
(www.washburn.edu/sobu/broach/algerres.html)

REVIEWER:

Academy of Management (OM Section)
*International Journal of Pharmaceutical and
Healthcare Marketing*
OMEA (Operation Management Entrepreneurship
Association) for MBAA International

REFEREED PUBLICATIONS:

"Optimal Antithetic Sampling Plans," with Roger Wright, *Journal of Statistical Computing and Simulation*, 1977, Vol. 5, pp. 99-114

"The Significance of the Concept of Equity in Insurance" with Robert A. Hershberger and Harold C. Krogh, *The Journal of Insurance Issues and Practices*, Vol. V, No. 1, (January, 1982)

"Pay-at-the-Pump Automobile Liability Insurance" *Journal of Risk and Insurance* Vol. XLX No.1 (March, 1983)

"The Significance of the Concept of Equity in Insurance: A Rejoinder" with Robert A. Hershberger and Harold C., Krogh, *The Journal of Insurance Issues and Practices* Vol. VII No. 2 (1984)

"Negative Reserves: Do They Make Any Sense?" *Journal of Insurance Regulation* Vol. 3 No. 4 (June, 1985)

"Dividend Decision-Making: An Experiential Classroom Exercise Emphasizing Cooperative and Action Learning" with Rob Hull in the *Proceedings the Seventh Annual Business / Economics Teaching Conference* in Chicago, November 14 - 16, 1996

"Brewster Revisited" with Mary Roach, *Dime Novel Round Up* Vol 71, No. 2 April, 2002 (April, 2002), pp 39-53

"Horatio Alger, Jr.: Precursor of the Stratemeyer Syndicate" with Mary Roach
Journal of Popular Culture (29 Jan 2004) Vol 37 Issue 3, 450-462

"Origin of the Economic Order Quantity Formula: Transcription or Transformation" *Management Decisions* (2005) Vol. 43 No. 9 1262-1268

"Sustainable Development in the Rural U.S. Midwest: the M-Commerce Solution" with Michael Stoica
International Journal of Critical Infrastructure (2006) Vol. 2 No. 2 331-346

"An Experiential Learning Exercise in Determining a Firm's Payout Policy" with Rob Weigand and Rob Hull, *Journal of Financial Education* Vol. 33, Fall 2007, pp 30-55

"Family Business *Contribution* to the Sustainable Development in the Rural U.S. Midwest: the Case of New Technology Adoption" *International Journal of Entrepreneurship and Innovation Management*_ Vol. 12 No.1, 17-34

"Privacy under the Health Insurance Portability and Accountability Act of 199 (HIPAA): The Impact of RFID" *Issues in Information Systems* Vol X, No. 2, 237-241

"High Eccentricity EOQ Total Cost Function Yields JIT Results" *FACES* Vol. 9, No. 2 (April/June, 2010)

"Ohm's Law/Little Law: Expanding the Analogy" *Journal of Management Policy and Practice* volume 12(3), spring 2011 pp.41-48

w Gene Wunder "Electronic Pedigrees and Counterfeit Pharmaceuticals" The U.S. Experience" *Regional Business Review* 2011 Vol 30 137- 159

"Using Dimensional Analysis to Teach Production / Operations / Supply Chain Management" *Advances in Production and Engineering Management Journal* 2011 Vol. 6 Issue 3, 145-152

"Wireless Business and the Impact on Firm Performance: The Strategic Move to Adopt a New Technology" w. Michael Stoica and David Price *International Journal of Management and Information Systems* Vol. 16, No. 1 2012 (1st quarter)

"A Cost Model for Offshore Outsourcing: TLM" (2011) with Tom Clevenger *Operations Management Education Review* No. 5 pp 53-68

TEXTBOOK SUPPLEMENTS

Test Item File to accompany Managing Quality: Integrating the Supply Chain (4th ed) by S. Thomas Foster 2010
ISBN-10: 0136088880 | ISBN-13: 9780136088882

OTHER PUBLICATIONS

"Working Capital Decisions: A Case Study in GPSS" with Fernando Alvarez deLugo, *SIMULETTER* Vol. 18, No. 2 (January, 1977), pp. 49-54

"A Graphical Technique for Writing Exposure Formulas," *The Actuary* Vol. 12, No. 3 (March, 1978), pp. 6-7

"Life Contingency Algorithms for the Programmable Calculator,"
ARCH Vol. 2, (1978)
<http://www.soa.org:80/library/arch/1978-89/ARCH78V215.pdf>

Discussion of "Updating Existing Life Insurance Policies"
Transactions of Society of Actuaries by Thomas E Dyer James J
Murphy And James F Reiskytl, Vol. XXXII 1980, pp. 639-640
<http://www.soa.org:80/library/tsa/1980-89/TSA80V3218.pdf>

"Cash Flow Analysis by the Prudent Banker's Method or
Discounting Turned on its Head - Discussion" *Transactions of
Society of Actuaries* Vol. XXXIX (1988)
<http://www.soa.org:80/library/tsa/1980-89/TSA87V399.pdf>

"August Zillmer, an Actuary with less Reserve" with Gunnar Alksnis
The Actuary (March, 1989), pp 8-9

Discussion of "Information Theoretic Approach To Actuarial
Science A Unification And Extension Of Relevant Theory And
Extension of Relevant Theory and Applications" by Patrick Brockett
Transactions of Society of Actuaries_ Vol . 43 (1991)
<http://www.soa.org:80/library/tsa/1990-95/TSA91V435.pdf>

"Controversies Surrounding Zillmer Reserves" with Gunnar Alksnis
ARCH VOL 1991.1 (1991), pp 321-333
<http://www.soa.org:80/library/arch/1990-99/ARCH91V127.pdf>

Contributions to the Theory of Life Insurance Reserves by August Zillmer (1863)
(translated by Bill Roach and Gunnar Alksnis) *ARCH* 2002,
(http://www.soa.org/library/arch/2000-09/arch03v37n2_3.pdf)

PAPERS / PRESENTATIONS:

"Optimally Efficient Antithetic Plans for Model Sampling" with Roger
Wright, paper given before the Statistical Computing Section of
American Statistical Association Meetings, Saint Louis, Missouri,
August 26, 1974

"An Assignment Algorithm for Determining Optimal Antithetic
Sampling Plans for Use in Simulation," *Proceedings of American
Statistical Association Section on Business and Economic
Statistics*, Atlanta, GA, August 25, 1975

"Zillmer Reserves: More Than Preliminary Term Reserves" with
Gunnar Alksnis, American Risk and Insurance Association (ARIA)
Meeting, 22-24 August 1989, Denver, Colorado

"Tour of the Horatio Alger, Jr. Resources web site"
Popular Culture Association / American Culture Association, March 31 - April 3,
1999 in San Diego, California.

"Seven Habits of Highly Effective Horatio Alger, Jr. Heroes" with Mary Roach. The paper, presented at the meeting of the Popular Culture Association in New Orleans, April, 2000, compared Stephen Covey's seven habits to the virtues of an Alger hero

"Brewster Revisited" with Mary Roach, presented at the Popular Culture Association / American Culture Association Meeting in Philadelphia, Pennsylvania, April 11 – 14, 2001

"Horatio Alger, Jr.: Precursor of the Stratemeyer Syndicate" with Mary Roach, presented at the meeting of the Popular Culture Association in Toronto, Canada, April 2002

"American Studies of Self-Made (White) Men" American Seminar, Hall Center, University of Kansas, October 2, 2002

"Looking at the Economic Order Quantity Model Using the Mathematics of Conic Sections" *Operations Management and Entrepreneurship Association 2004 Proceedings*, March 17 – 19, 2004 pp 129- 135

"The Economic Order Quantity Model: Coevolution of POM with the Business Curriculum" *Operations Management and Entrepreneurship Association 2005 Proceedings*, March 16 – 18 2005 (11pages)

"RFID Keeping America Safe from Counterfeit Pharmaceuticals" with Teresita Leyell *Operations Management and Entrepreneurship Association 2006 Proceedings*, March 15-17 2006 (8 pages)

"Use of RFID by First Responders" with Dave Wickersheim *Operations Management and Entrepreneurship Association 2007 Proceedings*, March 28-30 2007 (7 pages)

"RFID for Asset Management in Healthcare" with Gene Wunder *Operations Management and Entrepreneurship Association 2007 Proceedings*, March 28-30 2008 (20 pages)

"Electronic Pedigrees and Counterfeit Pharmaceuticals: The U.S. Experience with RFID" with Gene Wunder *Operations Management and Entrepreneurship Association 2008 Proceedings* March 28-30 2007 (6 pages)

"Using Dimensional Analysis to Teach Production Operation/Operations Management" *Operations Management and Entrepreneurship Association 2009 Proceedings*, March 28-30 2009 (10 pages)

"Privacy Under the Health Insurance Portability and Accountability Act: The Impact of RFID" with Gene Wunder *Healthcare Business Administration Association 2009 Proceedings* March 18 - 20, 2009 (10 pages) (Best Paper Award)

"Presenting the Total Landed Cost Model (TLCM) in Business and Accounting Classes" with Thomas Clevenger *Operations*

Management and Entrepreneurship Proceedings 2010, North American Accounting Society 2010 Proceedings

REGIONAL PRESENTATIONS:

"Use of the WWW to Explore Minority Cultures," Kansas Regents Tilford Conference on Diversity at Wichita State University, October 26-27, 1997

"Domestic Partner Health Insurance at Washburn University," with Charlene Smith, Washburn University, School of Law, "And Justice for All" conference at the University of Kansas, November 7 - 8, 1998
(<http://www.washburn.edu/sobu/broach/domesticpartners.html>)

"Gay, Lesbian, Bisexual, and Transgender Scholarship Resources", Workshop at Kansas Regents Tilford Conference on Diversity at Wichita State University, October 25-26, 1998
(<http://www.washburn.edu/sobu/broach/glbtscholar.html>)