

RESUME'

NAME: William L. Roach
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ADDRESS:

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Washburn University
Topeka, KS 66621

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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

EMPLOYMENT:

| | |
|---------------|--|
| 1986- present | Professor |
| 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 |

GRANTS AND AWARDS

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

Texas A & M University (FDIB) Program

Faculty Development in
International Business
May 2001 (Monterey, Mexico City, Puebla)

Sweet Summer Sabbatical 2002
(Horatio Alger Collection –
Northern Illinois University)

Beatrice Professorship
(grade distributions – summer 2004)

Automatic Identification and Data Capture
Technical Institute – Summer 2006
Ohio University – Athens, Ohio

AREAS OF PROFESSIONAL INTEREST:

Sustainable Development, Environment
Economic Order Quantity
Supply Chain Management
Horatio Alger, Jr.
Diversity
Medieval Latin Texts (Business)

AWARDS AND HONORS:

Beta Gamma Sigma (1973)

Phi Kappa Phi (1987)
Numerous website awards
 Horatio Alger, Jr. Resources website
 GLBT Scholarship website

Herrick Award for University Service (2005)

MEMBERSHIPS:

Operations Management / Entrepreneurship
Association (MBAA International)
Decision Sciences Institute
Society of Actuaries (A.S.A.)
American Association of University Professors
Popular Culture Association
Academy of Management
Phi Kappa Phi
Medieval Academy of America

REFERENCES: Furnished on request

LIST MANAGER

[ALGER-L](#)

Horatio Alger, Jr.,
dime novels

[WU-FORUM](#)

Washburn AAUP

[KANSAS-STUDIES](#)

Kansas Studies Center

WEB MASTER

[Horatio Alger Resources website](#)

[GLBT Scholarship web site](#)

REVIEWER:

[Journal of Actuarial Practice](#)

Academy of Management

Decision Science Institute

MBAA International (OMEA)

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)

"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 Vol. 37, No. 3 (February, 2004), pp 450-
462

"Origin of the Economic Order Quantity Formula" Journal of
Management History in Management Decision 43.9 (2005)
<http://www.emeraldinsight.com/info/journals/md/md.htm>

"Sustainable Development in the Rural U.S. Midwest: the M-
Commerce Solution. The wireless critical infrastructures" by
Michael Stoica and Bill Roach International Journal of Critical
Infrastructures Vol. 2, No. 4 (2006)

"An Experiential Learning Exercise in Determining a Firm's Payout Policy," with
Rob Weigand and Rob Hull Journal of Finance Education (2006, forthcoming)

SCHOOL OF BUSINESS WORKING PAPERS

"Looking at the Economic Order Quantity Formula Using the Mathematics of
Conic Sections"
Working Paper No. 7 November 2003

"The Economic Order Quantity Model: Co-Evolution of POM with the Business
Curriculum"
Working Paper No. 25 January 2005

"Origins of the Economic Order Quantity Formula"
Working Paper No. 37 January, 2005

TEXTBOOKS AND SUPPLEMENTS

Roach, Bill Test Bank for
Foster, S. Thomas Managing Quality: Integrating The Supply Chain 3/E
ISBN 10 0131791141 Prentice Hall, 2007

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>

"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

"The Horatio Alger, Jr. Resources Website" with Mary Roach Newsboy Vol 27, No. 4 (July-August, 1999)

"Seven Habits of Extremely Successful Horatio Alger, Jr. Heroes" with Mary Roach Newsboy Vol. XXVIII No. 4 m (July-August, 2000)

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

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

"Looking at the Economic Order Quantity Formula Using the Mathematics of Conic Sections" Midwest Business Administration Association (MBAA), Chicago, IL March 2004

"The Economic Order Quantity Model: Co-Evolution of POM with the Business Curriculum" Midwest Business Administration Association (MBAA), Chicago, IL March 2005

"RFID: Keeping America Safe from Counterfeit Pharmaceuticals" by Bill Roach and Teresita Levell Midwest Business Administration Association (MBAA), Chicago, IL March 2006

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>)