

S. Howard Kraye

Anderson School of Management
University of New Mexico
Albuquerque, New Mexico 87131
(505) 277 -6471
kraye@mgt.unm.edu

Education

Masters of Business Administration (Presidential Key Executive Program), Pepperdine University (1986)

Major Area: Services Marketing and Operations
Minor Area: Psychology
Minor Area: Finance

Masters in Industrial Engineering, Purdue University (1965)

Major Area: Operations Research
Minor Area: Sociology
Minor Area: Industrial Engineering

Bachelor of Science in Engineering Sciences, United States Air Force Academy, (1963)

Major Area: Engineering Sciences
Minor Area: Mathematics
Minor Area: English Literature
Minor Area: Military History

Research

Publications (Journals):

“Classroom Questioning with Immediate Electronic Response: Do “Clickers” Improve Learning?”
“Decision Sciences Journal for Innovative Education”, Volume 6 Number 1, January 2008

“LIDAR in Transportation-Related Air Quality Studies,” 1996
New Jersey Department of Transportation

“LIDAR Applications in Air Pollution Monitoring,” 1995
Hydroscience & Engineering, College of Engineering, University of Iowa

“Use of LIDAR to Evaluate MAGIC Incident Management System,” 1995
Transportation Research Board of National Academies

“Program Integrates LIDAR Data for Display,” 1995
Laser Focus World, Volume 31, #10

“Program Data for LIDAR Displays,” 1993, BIBTEX

Publications (Refereed Conference Proceedings):

“LIDAR in Transportation and Related Air Quality Studies,” with William Eichinger.
Proceedings of the 27th ISATA Motor Vehicle and Environment International Meeting, Germany 1994

Editorial Work:

Manuscript Review for Wiley & Sons of “Operations Management, 5th ed.” By Russell and Taylor

Manuscript Review for McGraw Hill publications of “Managing Supply Chains – Concepts Tools and Applications” by Ananth V. Iyer

Manuscript Review for Sage Publications of “Service Leadership: The Quest for Competitive Advantage” by Gronfeldt & Strother

Presentations:

“Entrepreneurial Management” presented twice through Technology Ventures Corporations Education Program, 2004-2005

“Why Come to Anderson” presented to the top 10% of high school students in Las Cruces, NM sponsored by the UNM Recruitment Services, 2005

Video Presentation for the state of New Mexico on Manufacturing Quality with Professor Joe Champioux, UNM.

Numerous guest speaker talks to both public and private companies on production operations, motivating employees, quality and service management and how to start up a company. I have given talks in Germany, Japan, Spain, and in several states in the US.

Research and Teaching Experience:

University of New Mexico, Anderson Schools of Management, Lecturer 1992 – Present; Presently teaching both graduate and undergraduate courses in: Service Marketing, Operations Management, Statistics, Supply Chain Management and Business Operations

University of Phoenix, Adjunct Faculty; 1992 – Present
Taught Statistics, Mathematics, Management, E-Business, Critical Thinking, Managerial Accounting both at the graduate and undergraduate level and on-line and on-ground

Webster University, Visiting Lecturer; 1992 -1996
Taught Entrepreneurial Management

Chapman University, Visiting Lecturer 1990 – 1996
Taught Statistics, Mathematics, Management

Woodbury College, Visiting Lecturer 1980 – 1984
Taught Mathematics and Statistics

United States Air Force Academy, Professor, 1967-68
Taught Calculus and Statistics

Worked with IBM's Oswego, New York Division on the development of a system to use their Data Explorer software in Air Quality Monitoring.

Industry/Military Experience:

I was the Officer in Charge of the U.S. Air Force's Management Engineering Team that won the first Outstanding Management Engineering Award for the Air Force. There were 220 teams in the program and my team was ranked #1. 1967

I was the Assistant to the President of Teledyne Systems Corporation 1969-1971 and was responsible for managing two major electronic manufacturing programs for the company. One was a classified program dealing with anti missile satellite technology and the other was Teledyne's first commercial program to build data collection programs for the Lockheed's new L-1011 aircraft

I started my first business in 1971. It was a metal fabrication business (Plast-Alum Manufacturing Inc.) in Southern California. It was followed by a general contracting business (Western Pacific Diversified Industries, Inc. -1974), a solar energy business (Conserdyne -1976) and several sub contracting businesses (electrical, plumbing, remodeling). Each business was successful and was sold to either another company or to the employees.

I have worked as a consultant and turn around specialist for the following companies: EDS (manufactured cable assemblies)– 1984, Behar Products (manufactured textile products) – 1985, ADP (automated payroll systems)– 1986. I advised their management on how to improve production efficiency, service management, marketing and product and service quality.

In 1988, I sold all my business interests in California and moved to Albuquerque, New Mexico. I started an electronics manufacturing company (Cable Technology Corporation) that produced electronic assemblies for Honeywell's DASD operation in Albuquerque. The company was sold to Quatro Corporation in 1992. In 1993, I started Santa Fe Technologies, Inc (SFT). The company was involved in high tech research in the transportation and air quality fields. SFT licensed and further developed technologies from Los Alamos National Laboratories, Sandia National Laboratory, and New Mexico State University. SFT did major air quality and transportation projects throughout the US using these licensed technologies for various state and local governments. SFT's US projects were done in Minnesota, Virginia, Florida, New Jersey, Connecticut, Pennsylvania, and New Mexico. SFT's international projects/contracts were done in Mexico, Korea, and Spain. In 1994, SFT won the Alliance for Transportation's Research Private Partnership Award for outstanding contributions in the fields of Transportation Research. I am currently President of Santa Fe Technologies, Inc.

Honors and Awards:

U.S. Senate Productivity Award, 1991 for a company I started in Albuquerque, NM (Cable Technology Corporation)

Alliance for Transportation Research -Private Partnership Award 1994 for a company I started in Albuquerque, NM (Santa Fe Technologies, Inc.)

Outstanding Mathematics Instructor – USAF Academy, 1968

United States Air Force Outstanding Commendation Medal, 1966

United States Air Force Outstanding Management Engineering Team Award, 1967

Professional and Service Activities:

Board of Examiners, Team Leader, Quality New Mexico Awards – 2003 and 2004

Committee Member ASTM, 1993

Committee Member ITA, 1995

Business Advisor for Lockheed Martin's Technology Ventures Corporation 2004 - Present

Advisor to the NM Labor Department on Statistical Matters – 1997

Other Items:

As President of one of my companies, I was featured on the cover of the New Mexico Business Journal on May 1994 for being the most innovative tech transfer pioneer in New Mexico. In addition, several articles have been written about the work I have done in international technology transfer. Copies can be provided if needed.

BUSINESS JOURNAL

NEW MEXICO

VOLUME 16, NUMBER 5 • Leave on sale through mid-June • \$2.95

Special Advertising Section
Sandoval County

**HIGH
TECH!**

**SANTA FE
TECHNOLOGIES'
HOWARD KRAYE:**
tech transfer pioneer

**HIGH-TECH
HEALTH CARE**

**THE LATEST
FROM THE
NATIONAL LABS**

