

**DARYL S. PAULSON, PH.D., M.A., M.S., M.B.A.    PRESIDENT AND CHIEF  
BOARD CERTIFIED FORENSIC EXAMINER #3801    EXECUTIVE OFFICER  
BOARD CERTIFIED FELLOW ACADEMY OF  
EXPERTS OF TRAUMATIC STRESS**

## **SCIENCE**

Dr. Daryl S. Paulson has extensive experience in the fields of management science, research and development, clinical trials, biostatistics, and clinical microbiology. He is board certified as a Forensic Examiner (American Board of Forensic Examiners) and appears as an expert witness for various clients (including the FDA), as well as product development consulting. He has developed new procedures for the evaluation of antiseptic products, which have shortened the FDA approval process for clinical trials in a number of areas. He is the author of the standard text of the industry, *Topical Antimicrobial Testing and Evaluation*, as well as the editor of the *Handbook of Topical Antimicrobials*. He is also the author of the text *Applied Statistical Designs for the Researcher* (Marcel Dekker, 2002). He has also designed statistical procedures which are used in BioScience's clinical trials for antiseptics, drug and cosmetic products, as well as the statistical models used in evaluating them. He has expertise in medical microbiology, especially mycoimmunology, marketing, quantitative experimental designs, biostatistics, and qualitative research. Dr. Paulson is the author of numerous papers on clinical evaluations, software validations, solid dosage validations, and quantitative management science in publications such as *American Journal of Infection Control*, *AORN*, *Dairy, Food, and Environmental Sanitation*, *World Business Academy Perspectives*, *Soaps, Cosmetics and Chemical Specialties* and *Pharmaceutical Manufacturing*. He is a member of the ASTM Subcommittee, which concerns itself with antiseptic testing, a member of the American Society for Microbiology, the Association for Practitioners in Infection Control, the Parenteral Drug Association, the American Society for Quality Control, American Psychological Association and American College of Forensic Examiners.

## **PSYCHOLOGY**

Dr. Paulson has worked extensively with Vietnam combat veterans in treating PTSD as well as with family survivors of automobile crashes, terminally ill patients, and survivors of traumatic events. He is board certified in Forensic Science as well as Traumatic Stress. He teaches a transpersonal psychology course through Adult Education.

Dr. Paulson has attained a doctoral degree in Transpersonal Psychology at the Institute of Transpersonal Studies. He is an expert in Ken Wilber's Integral Philosophy and was in the core business group of Wilber's Integral Institute in Boulder, Colorado. He is an editor of the *Journal of Transpersonal Psychology*. Dr. Paulson has also studied the works of Charles Tart, Stanislov Grof, Jorge Ferrer, Alan Combs, Roger Walsh, Frances Vaughan, Roberto Assagioli, and Michael Washburn.

## ASIAN STUDIES

Dr. Paulson has earned a Ph.D. in Asian Art History specializing in pre-1400 AD Indian and Chinese art. He also has been a long-time student of Sri Aurobindo's Integral Yoga. In this respect, he has studied intensely the works of Haridas Chaudhuri, V. Madhusudan Reddy, Rishabhand, Satprem, M. P. Pandit, Nolini K. Gupta, and A. S. Dalal. Other influential writers whom Dr. Paulson has studied include Vive Kananda, Ramana Maharshi, Ramakrishna, Tagore, and Radhakrishnan.

Dr. Paulson has also studied Hinyana, Mahayana, and Vajgrayanam Buddhism. Of particular interest to Dr. Paulson are Nagarjuna, Chandrakirti, Longche Rabjam, and Chögyam Trungpa.

## EXPERIENCE (Science):

Management and Design of:

- Clinical Trials – Human Models
- Topical Antimicrobial (Surgical Scrub, Pre-op Preps, Indwelling IV Catheter Preps, Phlebotomy Preps, Full Body Antimicrobial Shower Wash, Foods Handlers Sanitizing Agents, Consumer Product Evaluations, and Healthcare Personnel Hand Wash) Evaluations and Programs
- Bioavailability/Bioequivalence Studies
- FDA Interactions
- Cosmetic Product Evaluations
- Product Stability Programs including Analytical Evaluations
- Statistical Designs
- Biostatistics
- Management Science Applications
- Solid Dosage Validation Analysis
- Package Integrity Analysis
- D-value Studies
- Antimicrobial Preservative Systems
- Cosmetic Preservative Systems and Evaluations
- Statistical Quality Control Programs
- Product Reliability Analysis
- Food Microbiology and Sanitation Programs
- Controlling Placebo Effects in Clinical Trials Evaluation
- Product Surveys (local or national)

## EXPERIENCE (Psychology):

- Individual Psychotherapy
- Group Therapy
- Marriage and Family Therapy

- Encounter Groups
- Transpersonal - Existential Therapy
- Psychosynthesis
- Research
  - Qualitative Research Designs
  - Quantitative Research Designs
- Psychological Aspects of Product Testing
- Psychological Application in Clinical Trials

**POSITIONS HELD (Science):**

- BioScience Laboratories, Inc., President and CEO (1991-present)
- Skyland Scientific Services, Manager, Laboratory Services (1987-1991)
- Skyland Scientific Services, Manager of Food, Drug and Cosmetic Evaluations (1986-1987)
- Skyland Scientific Services, Manager of Computer Services (1984-1985)
- Skyland Scientific Services, Senior Microbiologist, Special Projects (1983-1984)
- Skyland Scientific Services, Validation Services Microbiologist and Computer Programmer (1982-1983)
- Skyland Scientific Services, Microbiologist (1981-1982)
- University of Montana, Department of Microbiology, Biostatistician (1979)
- College Park Medical Laboratory, Bacteriologist Intern (1978)

**EDUCATION:**

- Institute of Transpersonal Psychology, Ph.D. of Philosophy in Psychology, 2008
- Warnborough University, United Kingdom, Ph.D. in Asian Art History
- University of Montana; Master of Business Administration (MBA, with emphasis in Finance and Strategy), 2002
- Institute of Transpersonal Psychology, Master of Transpersonal Psychology, 1998
- New York Institute of Photography – Photomicroscopy and Medical Photography, (Professional Photographer Certification) 1994
- SayBrook Research Institute and Graduate School – San Francisco, California; Ph.D. Human Science, 1992 (with distinction)
- Sierra University - California; Ph.D., Psychology, 1989
- Pacifica Graduate Institute – Santa Barbara, California; Master of Arts; Counseling, Psychology, 1988
- University of Montana; M.S., Medical Microbiology/Biostatistics, 1981
- College of Great Falls – Montana; B.S., Medical Microbiology, 1979
- University of Montana; B.A., Business Administration (Management), 1972

**CERTIFICATION:**

- Diplomate – Board Certified Forensic Examiner #3801
- Certified Forensic Counselor
- Fellow American Academy of Experts in Traumatic Stress

- Diplomate Board Certified Expert in Traumatic Stress
- Certified Cognitive Behavioral Therapist
- Psychosynthesis Certified (3 year program, Psychosynthesis International)

**OTHER ACTIVITIES:**

- Editorial Review Board, *American Journal of Infection Control*
- Editorial Review Board, *AORN*
- Editor, *Dairy, Food, Environmental Science*, 1995-2000
- Chairperson, American Red Cross (5 Rivers Chapter) 1986-1987
- Toastmasters International
  - Competent Toastmaster
  - Able Toastmaster (Bronze)
  - Able Toastmaster (Silver)

**RECOGNITION:**

- Small Business of the Year, 2010
- Prospera Business Network Associate in Recognition of Economic Investment, 2009
- Small Business Association First Runner-Up Businessman of the Year Award, 2008 Recipient
- AOAC International Outstanding Contribution Award, 2007
- AOAC International Advisor of the Year, 2006
- AOAC International Special Recognition Award, 2005
- Toastmaster of the Year, 1987
- Inclusion in the International Directory of Distinguished Leadership

**MILITARY SERVICE:**

- United States Marine Corps, 1966-1970
  - Served with the 1st Marine Division, South Vietnam, 1968-1969
  - Awarded the Navy Commendation Medal with Combat V
  - Expert Rifleman
  - Author of the book, *Walking the Point: Male Initiation and The Vietnam Experience*

**SHORT COURSES (Science):**

- Applied Biopharmaceutics and Pharmacokinetics, University of Montana, 1989
- Medical Device Testing, San Francisco, California, 1987
- Consumer Preference Evaluation Strategies, Human Relations Institute, 1987
- FDA Requirements and Guidelines for Clinical Evaluations, Salt Lake City, Utah, May, 1986
- Developments in Food Microbiology, Montana State University, Bozeman, Montana, October, 1985
- Unix Programming Environment, Palo Alto, California, 1984

- Software Quality Assurance, American Society of Quality Control Clear Water Beach, Florida, 1983
- Statistical Approaches to the Industry, Las Vegas, Nevada, 1983
- Clinical Trials in the Medical Environment, Philadelphia, Pennsylvania, 1983
- Poultry Disease Diagnostics Course, Swine Disease Diagnostics Course, Salsbury Labs, Charles City, Iowa, 1975
- cGMP/GLP Training

**SHORT COURSES (Psychology):**

- Personal Eclectic Psychotherapy Training, Edward E. Shubat, Ph.D., NeuroScience Department, Great Falls Clinical (1984-1992)
- Integral Psychology, Robert Gerard, Ph.D., Los Angeles, CA (1989-1999)
- Hypnotherapy (Erickson Method), Missoula, MT (1987)

**TEACHING EXPERIENCE:**

- Clinical Trials Management
- Clinical Microbiology
- Biostatistics
- Experimental Design
- Statistical Quality Control
- Statistical Programming (Fortran)
- Integration of Disciplines
- Solid Dosage Form Validations
- Management Science
- Health Psychology
- Existential Psychology
- Transpersonal Psychology

**INDUSTRIAL INNOVATIONS:**

- Designed and introduced - Evaluation strategies of topical antimicrobials used to degerm indwelling catheter sites (1993)
- Designed and introduced - The Full Body Shower Wash - pre-surgical preparation regimen (1993)
- Developed a systems approach to successfully marketing topical anti-infective products (1991)
- Introduced formal statistical procedures to the surgical scrub, healthcare personnel and preoperative skin prep test protocols (1986-1987)
- Developed a linear programming/statistical approach to determining optimal product mix (1985)
- Developed a biostatistical approach to controlling solid dosage from drug manufacturing operations (1984)
- Developed one of the first software documentation programs for validation computer controlled manufacturing programs

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