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PROFESSIONAL EXPERIENCE

2006 – Present Independent Consulting

Consulting in the areas of grantsmanship (including liaison with sponsors of funded research and Institutional Review Boards), biostatistics, and clinical trials

**Robert Wood Johnson Medical School,
University of Medicine and Dentistry of New Jersey
New Brunswick, New Jersey**

2006 – Present Associate Professor of Medicine (Adjunct)

**2001 – 2005 Associate Dean for Clinical Research
Associate Professor of Medicine
Associate Professor of Surgery**

Senior administrative position in the Office of the Dean, Office of Sponsored Research. Responsible for fostering research in clinical, translational, and patient-oriented research for the Robert Wood Johnson Medical School. Worked with individuals and with groups to secure funding. Consulted with individuals in areas of biostatistics and research design. Liaison to IRB.

**National Institutes of Health (NIH)
Division of Extramural Affairs
National Heart, Lung, and Blood Institute (NHLBI)
Bethesda, Maryland**

1994 – 2001 Deputy Director, Division of Extramural Affairs

Senior administrative position. The Division of Extramural Affairs, with 116 staff, is responsible for all biomedical research review activities, grants and contracts operations, liaison with the NHLBI Advisory Council, and the implementation and development of NHLBI policy related to the administration and review of grants and contracts. I was directly responsible for the referral of grant applications and for many of the activities of the National Heart, Lung, and Blood Advisory Council. I represented the Division Director on NIH and NHLBI committees as needed. For six years I held this position concurrently with the position of Chief, Review Branch.

1993 - August 2000 Chief, Review Branch

A senior Research Review Administration position. I coordinated, supervised and implemented the review of research grant applications and contract proposals requesting approximately \$3 Billion per year in research support. I directly supervised a staff of thirteen doctoral level scientists and fifteen

support staff. I was responsible for all activities of the Branch, for implementing existing review policy, and for developing new policies and procedures to meet the continually changing scientific and grant review environment.

1989 – 1993 Chief, Contracts, Clinical Trials, and Training Review Section

A supervisory research review position. Prior to my reorganization of the Review Branch initiated when I became Chief in 1994, this was one of three Scientific Review Sections in the Review Branch, NHLBI. In that position I coordinated, supervised and implemented the review of contract proposals and research grant applications in epidemiology, behavioral and clinical science, and in training requesting approximately \$1 billion per year in research support. I supervised a staff of five doctoral level scientists and six support staff. I reported to the Associate Director for Review (now Chief, Review Branch).

1984 – 1989 Scientific Review Administrator (SRA) (formerly Executive Secretary)

A research review position. The SRA is responsible for organizing, coordinating, directing, and implementing all aspects of the peer review of grant applications. I had primary responsibility for behaviorally oriented research grants, and had substantial experience in other content areas including clinical trials and epidemiology. My responsibilities included the organization and coordination of ad hoc review committees and the review of research in excess of \$100 million annually.

**Virginia Polytechnic Institute (Northern Virginia Campus)
Department of Family and Child Development
Falls Church, VA.**

1985 - 1994 Professor of Family and Child Studies (Adjunct)

I regularly taught graduate courses in statistics and research methodology, consulted with faculty on grant and contract supported research, and directed graduate student research. I secured external funding for the Department for a study of Pilot Stress, funded by the Airline Pilots Association. I resigned the position due to the potential for conflicts of interest when I was appointed Chief of the Review Branch, NHLBI.

**University of Maryland
Department of Health Education
College Park, MD.**

1989 – 1994 Professor of Health Education (Adjunct)

I served as an occasional lecturer on research and evaluation methodology, and as a consultant on research and evaluation methods. I resigned the position due to potential conflicts of interest when I was appointed Chief of the Review Branch, NHLBI.

**American Psychological Association
Washington, DC.**

1981 – 1984 Administrative Officer for Education and Training

A senior administrative position. The American Psychological Association is the largest professional association of psychologists in the United States with 75,000 members. I was responsible for developing and implementing policy for the Association in matters related to the education and training of psychologists, in both academic and non-academic settings. I supervised a staff of four professional and five support staff, and was responsible for programs related to education and training in psychology at the high school, undergraduate, and graduate level; for continuing education programs for psychologists; and for policy analysis related to issues of education and training for psychologists.

**Review Branch
National Institute of Mental Health (NIMH)
Rockville, MD.**

**1980 – 1981 Executive Secretary (now SRA); Cognition, Emotion, and Personality
(CEP) Research Review Committee**

A research review position. I was responsible for planning, coordinating, directing, and implementing all aspects of the peer review of grant applications in the areas of Cognition, Emotion and Personality, ensuring that applications received appropriate technical review. I was responsible for the organization, staffing, and coordination of a 14-person technical review panel charged with the review of about \$20 million of research annually. I was separated from this position by a government-wide Reduction in Force (RIF) in 1981.

**Division of Research Grants (DRG), now Center for Scientific Review (CSR),
National Institutes of Health
Bethesda, MD.**

1979 - 1980 Grants Associate

The Grants Associate program is a highly competitive one-year professional development program designed to develop experienced research scientists into Health Scientist Administrators. Ten Grants Associates were selected nationally each year from several hundred applicants. Each Associate provided an individualized program directed by a senior NIH official. Professional development assignments include on-the-job work assignments in the NIH and other Federal agencies, and formal short-term courses. Grants Associates attended a weekly seminar designed to inform them about Federal biomedical science programs and policies and other significant issues related to the support of biomedical research.

**Office of Research and Evaluation Methods
National Institute of Justice (NIJ)
National Law Enforcement Assistance Administration (LEAA) now National Institute of Law
Enforcement and Criminal Justice
United States Department of Justice
Washington, DC**

1978 – 1979 Operations Research Analyst

A research program management position. I was responsible for the review, evaluation, and monitoring of grants and contracts in the area of Research and Evaluation Methodology. In this position I prepared program solicitations; planned and administered the review and selection process for research grants; and served as technical consultant to program divisions in the areas of research design and statistics.

**State University of New York at Binghamton (now Binghamton University)
Binghamton, New York.**

Office of the Vice President for Academic Affairs

1976 - 1978 Coordinator of Academic Evaluation

A half-time administration and evaluation research position reporting to the Vice President for Academic Affairs. I was responsible for directing and supervising the University Examination Center; and for developing, coordinating and implementing methods of evaluating all thirty undergraduate departments and schools. I coordinated all campus research on students and acted as methodological consultant to the university community.

Department of Psychology

1970 – 1978 Assistant to Associate Professor (with tenure)

Teaching

I taught both graduate and undergraduate courses in Cognitive Psychology and in Statistics as well as Introductory Psychology. I was nominated for the Chancellor's Award for Excellence in Teaching in 1974, 1975, and 1976. I developed a three-semester graduate-level course sequence in Statistics and Experimental Design covering analysis of variance and covariance; non-parametric statistics; correlation and regression analysis; survey methods; and multivariate analysis including factor analysis, discriminant analysis, and canonical variate analysis. I directed numerous MA theses and five PhD dissertations, and was the methodologist on more than half of the Departmental masters and doctoral committees. During the academic year 1976-77 I had a sabbatical leave at Cornell University studying statistics and research methods, supported by an NSF Faculty Fellowship.

Administration

I was a member of the university-wide committee charged with ethical review of all research involving human subject (Institutional Review Board - IRB). I was a member (1975), then chair (1975-76), of the university-wide Committee to Evaluate the Undergraduate Program. This committee evaluated each undergraduate department and program within the university, and evaluated the overall curriculum, grading policy, and quality of life. I was an elected member of the Faculty Senate (1972-74). Within the Department of Psychology, I was Undergraduate Chair (1975-76) and Director of Graduate Training (1977-78). The Director of Graduate Training coordinates all aspects of the graduate program.

Research

My research areas of interest include Experimental Psychology, specializing in memory and cognitive processes; and applied statistics, specializing in the design of experiments, survey methods, and evaluation research. I have about fifty peer reviewed professional publications.

Consulting

I was a paid consultant in statistics and research design for numerous projects and was a consultant on numerous thesis and dissertation committees. I have reviewed articles and books for professional and for-profit organizations. I have reviewed grants and contracts for NSF, NIH, NIMH, and NIJ.

Mindanao State University
Marawi City
Lanao Del Sur, Philippines

1963 - 1966 United States Peace Corps Volunteer

I taught high school and college level mathematics through Calculus II and Linear Algebra. In 1964 - 1965 served as a Volunteer Leader and coordinated Peace Corps activities in two provinces.

OTHER

National Academy of Sciences, National Research Council

Member (2003-2004) of the NAS Panel on "Capturing the Full Power of Biomaterials for Military Medicine".

Editorial Responsibilities:

I served on the editorial Board of Evaluation Review (1978-1982); I have also served as an ad hoc reviewer for numerous journals and publishers and have reviewed grant and contract proposals for NSF, NIH, NIMH, NIJ, and for the American Heart Association.

Professional Memberships:

American Heart Association Council on Epidemiology (Fellow)

I served as a permanent member (1997 - 2000) and co-chair (2000) of the Affiliate Study Group (Study Section) on Epidemiology and Prevention Studies for the AHA. This group reviews training and research grant applications submitted to AHA.

American Psychological Society (Fellow)

American Association for the Advancement of Science

Other skills

I have a broad range of computer skills. I am proficient in WordPerfect, Excel, and PowerPoint.. I am familiar with several programming languages and have experience programming in SAS and several additional statistical software packages

Education

Massachusetts Institute of Technology

Bachelors of Science in Mathematics, 1963

University of Pittsburgh

Doctor of Philosophy, 1970

(Major areas: Cognitive Psychology, Statistics, and Research Methods)

Cornell University

NSF Faculty Fellowship, 1976 - 77 academic years.

(Major area: Statistics)

American Heart Association

14-day Seminar on Cardiovascular Epidemiology, August 1989; Tahoe City, CA

GRANTS RECEIVED

Integrated Technologies for Polymeric Biomaterials (5% effort). (P41EB001046). NIH funded resource grant. I serve as Chair of the Resource Advisory Committee.

Response latency in short-term memory. **NIMH Predoctoral Fellowship** (F01 MH43502). 1968-1970.

Processing and retention of small units of memory. **Research Foundation of the State University of New York**. (1239-03-040-70-0). Summer, 1971

Research latency as an indicator of memory processing. **Research Foundation of the State University of New York** (0931-03-040-71-0). 1/71 - 12/92

Research latency as an indicator of memory processing. **NIMH** (R03 MH-23231). 9/72 - 8/73.

A study of hypothesis testing and problem solving strategies in older people. **Biomedical Research Support Grant - NIH**. 9/75 - 8/77.

Support for study of applied statistics at Cornell University during sabbatical year. **NSF Faculty Fellowship**. 8/76 - 7/77.

PUBLICATIONS

Scheirer CJ & JF Voss. Reminiscence in short-term memory. **Journal of Experimental Psychology**, 1969, 80, 262-270.

Scheirer CJ & JF Voss. Short-term association recall as a function of type of retention interval task. **Psychonomic Science**, 1970, 19, 223-224.

Scheirer CJ. The effect of cueing, modality, and effective contiguous time upon response latency in short-term memory. Doctoral dissertation, University of Pittsburgh, 1970.

Scheirer CJ. The effect of cueing, modality, and effective contiguous time upon response latency in short-term memory. **Journal of Experimental Psychology**, 1971, 88, 429-432.

Scheirer CJ. Draft lottery: Validity of randomness. **Science**, 1971, 172, 630.

Scheirer CJ & WS Ray. On the application and interpretation of partitioned contingency tables in the analysis of experimental data. **Journal Supplement Abstract Service (JSAS) Catalogue of Selected Documents**, 1973, 3, 38.

Pastore RE & CJ Scheirer. Signal detection theory: Considerations for general application. **Psychological Bulletin**, 1974, 81, 945-958.

Scheirer CJ & MJ Hanley. Scanning for similar and different material in short- and long-term memory. **Journal of Experimental Psychology**. 1974, 102, 343-346.

Lutz WF & CJ Scheirer. Encoding of verbal and pictorial stimuli. **Journal of Verbal Learning and Verbal Behavior**, 1974, 13, 316-320.

Hanley MJ & CJ Scheirer. Proactive inhibition in memory scanning. **Journal of Experimental Psychology: Human Learning and Memory**, 1975, 104, 81-83.

Macht MM & CJ Scheirer. The effect of imagery on accessibility and availability in a short-term memory paradigm. **Journal of Verbal Learning and Verbal Behavior**, 1975, 14, 523-533.

Scheirer CJ. A critique of Lambert and Knight. **Teaching of Psychology**. 1975, 2, 82.

Scheirer CJ. A BASIC routine to provide a random order for counter-balanced variables. **Behavior Research Methods and Instrumentation**, 1976, 8, 31.

Scheirer CJ. A BASIC routine to generate random Latin squares. **Behavior Research Methods and Instrumentation**, 1976, 8, 31-32.

Scheirer CJ, WS Ray & N Hare. The application of specific comparisons to the Kruskal-Wallis ranks test. **Biometrics**, 1976, 32, 429-434.

Scheirer CJ. A BASIC routine to enumerate random Greco-Latin squares. **Behavior Methods and Instrumentation**, 1976, 8, 403-404.

Schmitt JC & CJ Scheirer. The effect of item order on objective tests. **Teaching of Psychology**, 1977, 4, 144-145.

Schmitt JC & CJ Scheirer. Segregation strategies in memory scanning. **American Journal of Psychology**, 1977, 90, 39-44.

Schmitt JC & CJ Scheirer. Empirical approaches to information processing: Speed-accuracy tradeoff functions or reaction time. **Acta Psychologica**, 1977, 41, 321-325.

Schmitt JC & CJ Scheirer. Task difficulty as a mediator of subject strategy in memory scanning. **American Journal of Psychology**, 1977, 90, 565-575.

Goldstein EM, JC Schmitt & CJ Scheirer. Semantic versus nominal factors in encoding specificity. **Memory and Cognition**, 1978, 6, 13-19.

Geller MI & CJ Scheirer. The effects of filmed modeling on cooperative play in disadvantaged preschoolers. **Journal of Abnormal Child Psychology**, 1978, 6, 71-87.

Hoyer RC, JM Connor & CJ Scheirer. The effect of memory load on short-term recognition latency. **American Journal of Psychology**, 1978, 91, 125-132.

Hare N, CJ Scheirer & JC Schmitt. A power analysis of the Kruskal Wallis H-test in the two-sample case. **Journal Supplement Abstract Service**, 1978, 8, 2.

Jensen CR, JC Schmitt & CJ Scheirer. The dimensions of learning in mice: A factor study. **Multivariate Behavior Research**, 1978, 13, 45-63.

Scheirer CJ & Geller, SE. The analysis of random effects in modeling studies. **Child Development**, 1979, 50, 752-757.

Keane TM, SE Geller & CJ Scheirer. A parametric investigation of eating styles in obese and non-obese children. **Behavior Therapy**, 1981, 12, 280-286.

Geller SE, TM Keane & CJ Scheirer. Delay of gratification, locus of control, and eating patterns in obese and non-obese children. **Addictive Behaviors**, 1981, 6, 9-14.

Futch E, CJ Scheirer & SA Lisman. An evaluation of the Rathus assertiveness schedule: A consideration of factor analytic methodologies. **Behavior Therapy**, 1982, 6, 23-43.

Scheirer CJ. Professional schools: Information for students and advisors. **Teaching of Psychology**, 1983, 10, 11-15.

Reprinted in Ware, ME & PJ Milland. **Handbook on Student Development**, Hilldale, NJ: Lawrence Erlbaum, 1987.

Scheirer CJ & B Hammonds (Eds). **Master Lecture Series, Vol. 2: Psychology and the Law**. Washington, DC: APA, 1983.

Scheirer CJ & AM Rogers (Eds). **G. Stanley Hall Lectures, Vol. 3**. Washington, DC: APA, 1983.

Hammonds B and CJ Scheirer (Eds). **Master Lecture Series, Vol. 3: Psychology and Health**. Washington, DC: APA, 1983.

Rogers AM & CJ Scheirer (Eds). **G. Stanley Hall Lectures, Vol. 4**. Washington, DC: APA, 1984.

Kennedy S, CJ Scheirer & AM Rogers. The price of success: Our monocultural science. **American Psychologist**, 1984, 2, 996-998. (Introduction to an edited section on **International Education in Psychology**, edited by the same authors).

Rogers AM & CJ Scheirer (Eds). **G. Stanley Hall Lectures, Vol. 5**. Washington, DC: APA, 1985.

Scheirer CJ and AM Rogers. **The Undergraduate Curriculum: 1984**. Washington, DC: APA, 1985. [The results of a survey study of all United States undergraduate Psychology Departments; initiated, analyzed, and written under the direction of the first author]

Ray RM, MA Fleisher, CJ Scheirer & GD Cox. Directory of Evaluation Training Programs. **New Directions in Program Evaluation**, 1986(29), 71-98.

Gaffney IC, LF Little & CJ Scheirer. The effects of airline instability on stress in airline pilots and their families. **Air Line Pilot**, 1987(June), 18ff.

NOTE: AS A MEMBER OF THE REVIEW STAFF OF THE NIH FROM 1984 TO 2000, DR. SCHEIRER WAS PROHIBITED FROM ACADEMIC COLLABORATIVE RESEARCH BECAUSE OF THE POTENTIAL FOR CONFLICTS OF INTEREST.

Johnson K, JM Wolle, CJ Scheirer & JH LaRosa (Eds.). **Methodological Issues in Worksite Research**. Proceedings of a conference held at Arlie House, Arlie, VA, April 10-12, 1988. National Institutes of Health. Bethesda MD: 1989.

Scheirer CJ. Unit of Analysis: A discussion. In Johnson K, JM Wolle, CJ Scheirer & JH LaRosa (Eds). **Methodological Issues in Worksite Research**, 93-96. Department of Health and Human Services, National Institutes of Health. Bethesda MD: 1989.

Scheirer CJ and Geller, RG. NIH Reinvention Activities: Status Report. **Annals of Epidemiology**, 1997, 7, 548-549.