

CURRICULUM VITAE

Steven L. Schandler, Ph.D.

June, 2013

PERSONAL INFORMATION

Academic Position: Professor of Psychology (Tenured)

Research Positions: Director, Addiction Research Laboratory
Director, Cognitive Psychophysiology Laboratory

Business Address: Crean School of Health and Life Sciences
Psychology, Crean Hall
Chapman University
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Orange, CA 92866

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Military Service: 1966-1972, United States Navy; Honorable Discharge

EDUCATION

Undergraduate: **California State University, Stanislaus**
Degree: **B.A.**, June, 1972
Major: Psychology (Honors)
Minor: Anthropology

Graduate: **University of Southern California**
Degree: **M.A.**, August, 1974
Major: Experimental Psychology

Degree: **Ph.D.**, June, 1976
Major: Experimental Psychology
Emphasis: Psychophysiology and Psychosomatic Medicine

ACADEMIC APPOINTMENTS- Full

<u>1989-present</u>	Professor, Tenured	Department of Psychology Chapman University, Orange, California
<u>1982-1989</u>	Associate Professor, Tenured	Department of Psychology Chapman University, Orange, California
<u>1976-1982</u>	Assistant Professor Early Tenure, 1980	Department of Psychology Chapman University, Orange, California
<u>1976</u>	Lecturer	Department of Behavioral Sciences California Polytechnic University Pomona, California

ACADEMIC APPOINTMENTS- Adjunct

<u>1996-2009</u>	Adjunct Full Professor (Retired)	Department of Psychiatry and Human Behavior College of Medicine University of California at Irvine
<u>1988-1995</u>	Adjunct Associate Professor	Department of Psychiatry and Human Behavior College of Medicine University of California at Irvine
<u>1979-1985</u>	Assistant Research Professor	Department of Psychiatry School of Medicine University of California at Los Angeles

RESEARCH APPOINTMENTS

<u>1985-2005</u>	Chief, Addiction Research (Retired)	Research Health Care Group Veterans Affairs Healthcare System Long Beach, California
<u>2002-2004</u>	Deputy Associate Chief of Staff (Retired)	Research Health Care Group Veterans Affairs Healthcare System Long Beach, California
<u>1994-2003</u>	Medical Research Statistician	Research Health Care Group Veterans Affairs Healthcare System Long Beach
<u>1979 -1984</u>	Chief, Addiction Research	Medical Research Service Veterans Affairs Medical Center Sepulveda, California

CERTIFICATES

2002, 2003, 2004, 2005 Collaborative Institutional Review Board Training Initiative (CITI)
University of Miami; Modules 1 – 13.

NATIONAL SOCIETY MEMBERSHIPS

- National Honor Society in Psychology (Psi Chi)
- Scientific Research Society of North America (Sigma Xi)

PROFESSIONAL SOCIETY MEMBERSHIPS

- American Association for the Advancement of Science
- American Psychological Association: Division 1; General
 Division 3; Experimental (invited)
 Division 26; History of Psychology
 Division 28; Psychopharmacology and
 Substance Abuse
- Association for Psychological Science
- California Association for Alcohol / Drug Educators
- Western Psychological Association

PROFESSIONAL SOCIETY POSITIONS

2009-present Program Committee, American Psychological Association, Division 1
1988-present Program Committee, Western Psychological Association
1984-present Representative to the Council of Western Colleges and Universities

PROFESSIONAL POSITIONS

1999-present Grant Review Board, Department of Veterans Affairs Medical Research (invited)
1999-present Grant Review Board, Univ of North Dakota-National Science Foundation (invited)
1993-present Consultant Editor, Brooks/Cole Publishers, College Division
1988-present Consultant Editor, D.C. Heath Publishers, College Division
1988-2000 Consultant Editor, *Journal of Studies on Alcohol*
1986-present Consultant Editor, Prentice-Hall Publishers, College Division
1985-present Consultant Editor, Random House Publishers, College Division
1984-1991 Consultant Editor, *Psychophysiology*

AWARDS

- 2009 **Sabbatical Leave**, Chapman University
- 2008 **Special Faculty Award** for Founding and Continued Service to the Institutional Review Board, Chapman University.
- 2005 **Certificate of Appreciation**, Department of Veterans Affairs. In recognition of outstanding career of service and contribution to creating a positive and compassionate environment for patients and staff.
- 2005 **Valerie Scudder Distinguished Faculty Award**, Chapman University. Awarded by the Provost and President on recommendation of the Faculty. Endowed award for excellence in teaching, scholarship, and service to the students and University.
- 2001 **Sabbatical Leave**, Chapman University.
- 1999 **Faculty Excellence Award - Research and Scholarly Achievement**. Chapman University. Awarded by the Provost and President on recommendation of the Faculty. Includes a monetary award.
- 1998 **Special Contribution Award**, Veterans Affairs Medical Center, Long Beach
Commendation for successful development of neuropsychological assessment system.
- 1997 **Faculty of the Year**, Gamma Beta Phi National Honors Society, Chapman University Chapter.
- 1994 **Hua-Cheng Wang Distinguished Fellow**, Chapman University. Endowed award for exceptional contribution to the University and to the professional discipline.
- 1995 **Certificate of Appreciation**, Department of Veterans Affairs, Washington DC
Recognition of exceptional performance and innovative contributions in ensuring successful completion of clinical evaluations of assistive devices for persons with spinal cord injury.
- 1994 **Special Contribution Award**, Veterans Affairs Medical Center, Long Beach
Commendation for successfully chairing a task force for improving the delivery of alcohol and substance abuse treatment to spinal cord injured patients.
- 1993 **Sabbatical Leave**, Chapman University.
- 1989 **Valerie Scudder Distinguished Faculty Award**, Chapman University. Endowed award for excellence in teaching.
- 1983 **Sabbatical Leave**, Chapman University.
- 1972-1976 **National Institute of Mental Health, Predoctoral Trainingship**,
Department of Psychology, University of Southern California

PAST RESEARCH SUPPORT

- 2005-2012 \$1,250,000
Co-Investigator, “**Age-Dependent Changes in Motor Learning Capabilities**”, National Institutes of Health: National Institute on Aging. California State University Research Foundation, University of California, Irvine and Chapman University.
- 2002-2005 \$51,000
Principal Investigator, “**Alcohol Normalization of Stimulus Augmentation in Adult Children of Alcoholics**”, Alcoholic Beverage Medical Research Foundation. Southern California Institute for Research and Education.
- 2001-2004 \$355,700
Mentor and Co-Principal Investigator with J. Turner, “**Cortical Reorganization and Neuropathic Pain After Deafferentation**”, Department of Veterans Affairs Medical Research. Veterans Affairs Medical Center, Long Beach.
- 1999-2001 \$50,000
Co-Principal Investigator with Y. Cho. “**Alcohol Intoxication and Sexual Risk-Taking**”. Alcoholic Beverage Medical Research Foundation. University of Missouri and Chapman University.
- 1998-2001 \$193,000
Principal Investigator, “**Attention Deficit and Vulnerability to Alcoholism**”, Department of Veterans Affairs Minority Training Initiative. Department of Veterans Affairs Medical Research. Veterans Affairs Medical Center Long Beach, Chapman University, and California State University, Long Beach.
- 1997-2003 \$850,000 (renewal)
Principal Investigator, “**Visuospatial Information Processing as a Risk Factor for Alcoholism**”, Department of Veterans Affairs Medical Research. Veterans Affairs Medical Center, Long Beach and Chapman University.
- 1996- open \$8,000/year
Principal Investigator, **Research and Standardization Grant: Test of Variables of Attention (T.O.V.A.)**. Universal Attention Disorders, Inc.
- 1997-2001 \$32,000
Co-Principal Investigator, “**Comparison of Body Concept of Individuals With a Lower Limb Amputation Who Are and Are Not Spinal Cord Injured**”. Veterans Assistance League and Long Beach Research Foundation.
- 1996-2001 \$550,000
Co-Principal Investigator, “**Cognitive Functioning in Spinal Cord Injured Humans**” Department of Veterans Affairs Medical Research. Veterans Affairs Medical Center, Long Beach.

PAST RESEARCH SUPPORT (continued)

- 1999 \$220,000
Author and Responsible Investigator. **Medical Research Equipment Grant.** Grant to purchase and install equipment necessary to provide the precise presentation of auditory and visual stimuli and recording of electrophysiological activity during functional magnetic resonance imaging. Department of Veterans Affairs Medical Research.
- 1997-1998 \$20,000
Principal Investigator, **Minority Student Research Training Grant**, Department of Veterans Affairs. California State University Long Beach and Veterans Affairs Medical Center, Long Beach.
- 1993-1997 \$400,000
Principal Investigator, **"Visuospatial Information Processing as a Risk Factor for Alcoholism"**, Department of Veterans Affairs Medical Research. Chapman University and Veterans Affairs Medical Center, Long Beach, California.
- 1990-1995 \$450,000
Co-investigator, **"Perception in Spinal Cord Injured Humans"**, Department of Veterans Affairs Medical Research. Veterans Affairs Medical Center, Long Beach, California.
- 1990-1993 \$200,000
Principal Investigator, **"Psychophysiological Studies of Cognition During Alcohol Intoxication"**, Department of Veterans Affairs Medical Research. Chapman University and Veterans Affairs Medical Center, Long Beach, California.
- 1992-1995 \$90,000
Principal Investigator, **Research and Development Grant: "A Comparison of No-Air-Loss, Low-Air-Loss, and Air-Fluidized Bed Systems for the Treatment of Pressure Sores (Decubitus Ulcers) in the Spinal Cord Injured"**, Sunrise Medical/BioClinic, Inc. Veterans Affairs Medical Center, Long Beach, California and Long Beach Research Foundation.
- 1991 \$3,000
Awardee, **Instruction Enrichment Grant.** Delux Corporation and Division of Psychology, Chapman University.
- 1989-1991 \$38,000
Principal Investigator, Research and Development Grant: **"Pulsed Irrigation and Digital Stimulation Bowel Care Procedures in the Spinal Cord Injured: A Comparative Study"**. Aegis Medical, Inc. Veterans Affairs Medical Center, Long Beach, California and Long Beach Research Foundation.

PAST RESEARCH SUPPORT (continued)

- 1985-1990 \$300,000
Co-investigator, "**Pain Perception in Chronic Pain Patients**", Department of Veterans Affairs Medical Research. Veterans Affairs Medical Center, Long Beach, California.
- 1985-1988 \$180,000
Principal Investigator, "**Electrophysiological and Cognitive Studies of Alcohol**", Department of Veterans Affairs Medical Research. Chapman University and Veterans Affairs Medical Center, Long Beach, California.
- 1982-1984 \$12,000
Co-principal Investigator, **Research and Development Grant: Standardization of Computerized Thermography Scanning System**. Dorex Medical Systems, Inc. Division of Psychology, Chapman University.
- 1980-1981 \$29,000
Co-investigator, **Merit Review Supplemental Grant: "Psychophysiological Studies of Alcohol"**. Veterans Administration Medical Research, Veterans Administration Medical Center, Sepulveda, California.
- 1977-1980 \$18,000
Principal Investigator, **Research and Development Grant: "Comparison of Guided Imagery-Based, Self-Help Programs for Behavioral Modification"**. Life Dynamics Inc., Department of Psychology, Chapman University.

RESEARCH EXPERIENCE

- 1976-present **Director, Cognitive Psychophysiology and Addiction Research Laboratories**, Department of Psychology, Chapman University. Primary responsibility for the design, implementation, analysis, and reporting of research concerning psychophysiological, electrophysiological and brain imaging studies of information processing in normal and clinical human populations.
- 1994-2003 **Medical Research Statistician, Research Health Care Group**, Veterans Affairs Healthcare System, Long Beach. Primary responsibilities included reviewing biomedical research protocols for appropriate calculations of power and effect; and assisting basic and clinical researchers in data acquisition, analysis, and presentation.
- 1988-2003 **Director, Psychological Research**, Division of Psychology, Chapman University. Primary responsibility for coordinating University and field activities and resources in support of undergraduate and graduate student research. Duties include the coordination and overall supervision of undergraduate Senior Thesis and Masters Thesis courses.

RESEARCH EXPERIENCE (continued)

- 1985-2006 **Chief, Addiction Research Laboratory**, Veterans Affairs Healthcare System, Long Beach, California. Primary responsibility for the design, implementation, analysis, and reporting of research concerning electrophysiological and cognitive effects of alcohol use and abuse.
- 1978-1985 **Research Psychologist**, Behavioral Medicine Research, Veterans Administration Medical Center, Sepulveda, California, with Michael Cohen, Ph.D. Duties included the development and supervision of the procedures and apparatus involved in multiphasic clinical treatment outcome studies.
- 1976-1978 **Research Psychologist**, Clinical Psychophysiology Laboratory, Veterans Administration Medical Center, Sepulveda, California with William Rickles, M.D., and Michael Cohen, Ph.D. Duties included the development of procedures and apparatus involved in the application and measurement of biological information feedback procedures for experimental and clinical usage.
- 1974-1976 **Research Associate in Dermatology** with Norman Levan, M.D., Robert Freedman, M.D. and Woon Wong, M.D., Dermatology Service, Los Angeles County-University of Southern California Medical Center. Duties included the development of a research program to examine the psychophysiological components of psychogenic dermatological disorders and the treatment of such disorders using augmented physiological information feedback procedures.
- 1972-1976 **Research Fellow** with William W. Grings, Ph.D., Professor, Department of Psychology, University of Southern California. Duties included the design, execution and analysis of human learning experiments and the maintenance and design of laboratory apparatus.

ADMINISTRATIVE EXPERIENCE

- 2012-present **Chair, Institutional Animal Care and Use Committee**, Chapman University, Orange, CA. Duties include the review of all proposed and ongoing animal research at this facility for compliance with federal, state, and local regulations.
- 2002-2007 **Chair, Institutional Review Board**, Chapman University, Orange, CA. Duties included the review of all proposed and ongoing research at this facility for compliance with federal, state, and local regulations regarding the use of human and research participants.
- 2002-2005 **Deputy Associate Chief of Staff for Research and Development**, Veterans Affairs Healthcare System, Long Beach, CA. Duties included planning and management of the re-organization of the Research Healthcare Group and coordinating the process of moving from probation to full compliance with national accreditation agencies.

ADMINISTRATIVE EXPERIENCE (continued)

- 2000-2005 **Director of Judging, California State Science Fair and Member of the Executive Board, California State Science Foundation.** Duties include the coordination of the judge assignments and the judging process for the largest state science fair in the United States and the development of academic support scholarships for science students.
- 2001-2004 **Member, Research and Development Committee,** Veterans Affairs Medical Center, Long Beach, CA. Duties included the review of all proposed and ongoing research at this facility for scientific rigor and quality and compliance with federal research priorities..
- 1999-2001 **Director, Undergraduate Programs,** Division of Psychology, Chapman University. Duties included curriculum development, course planning, and the coordination of advisement for 200 psychology majors and minors.
- 1999-2001 **Chair, Technology Sub-Committee,** University Progress Report to the Western Association of Schools and Colleges. Five person committee appointed by the President of the University to evaluate and prepare a 3-year progress report on the development, utilization, and assessment of technology used to meet the academic mission of the university.
- 1999 **Chair, Board of Inquiry,** Veterans Integrated Service Network, Division 22. Requested by the Department of Veterans Affairs to conduct an investigation of research review and approval process at the Greater Los Angeles Veterans Affairs Health Care System following suspension of their research program.
- 1997-2000 **Chair, Chapman University Institutional Review Board,** Chapman University, Orange, CA. In addition to revising the Institutional Assurances for the protection of human and animal research participants, duties included the review of all research projects for conformance with DHHS guidelines.
- 1997-2000 **Member and Chair, Research and Development Committee,** Veterans Affairs Medical Center, Long Beach, CA. Duties included the review of all proposed and ongoing research at this facility for scientific rigor and quality and compliance with federal research priorities.
- 1997-1998 **Accreditation Assessment Coordinator,** Chapman University Self-Study Committee for the Western Association of Schools and Colleges. Eight member committee appointed by the President of the University to prepare the written self-study of the University in preparation for reaccreditation of the academic programs.
- 1996-1998 **Chair and Member, Faculty Review Committee,** Chapman University. Elected position. Newly formed standing faculty committee. Duties include the establishment and implementation of faculty personnel review for the Wilkinson College of Letters and Sciences.

ADMINISTRATIVE EXPERIENCE (continued)

- 1994-1997 **President, Paul Delp Chapter of the American Association of University Professors**, Chapman University. Elected position. Duties included the advisement to faculty of their rights and responsibilities, and serving as liaison between the local chapter and the national organization in Washington, D.C.
- 1995-1996 **Chair, Research and Development Committee**, Veterans Affairs Medical Center, Long Beach, CA. Duties included the supervision of all activities of the Research and Development Committee, which included review of all proposed and ongoing research at this facility for scientific rigor and quality and compliance with federal research guidelines.
- 1993-1994 **Member, Research and Development Committee**, Veterans Affairs Medical Center, Long Beach, CA. Duties include the review of all proposed and ongoing research at this facility for scientific rigor and quality and compliance with federal research guidelines.
- 1993 **Chair/Facilitator, Spinal Cord Injury Service Special Treatment Unit Reorganization Task Force**, Veterans Affairs Medical Center, Long Beach, CA. Special appointment by Chief of Staff. Duties included coordinating a comprehensive feasibility study of using a separate ward to treat substance abuse or behavior problems in the spinal cord injured patient.
- 1992-1993 **Chair of the Corporate Faculty**, Chapman University. Duties included the chairing of the Faculty Executive Committee and the representation of the University Faculty to the Administration, to the Board of Trustees, and to other institutions. For this year, duties included serving as **principal faculty liaison** to the Committee on Reaccreditation, Western Association of Schools and Colleges. Term of office included one subsequent year as a **Immediate Past Chair** on the Faculty Executive Committee.
- 1990-1991 **Co-Chair, Department of Psychology**, Chapman University, Orange, CA. Duties included the administration of a four-year, undergraduate program and three, masters programs in Psychology, involving 8 full-time faculty, 160 undergraduate majors, and 135 graduate students.
- 1987-1989 **Chair, Human Studies Committee**, Veterans Affairs Medical Center, Long Beach, CA. Duties include the supervision of all activities of the Human Studies Committee and the providing of assurance to VA Central Office that human research at this facility fully meets federal guidelines for the treatment of human research participants.
- 1986-1987 **Member, Human Studies Committee**, Veterans Administration Medical Center, Long Beach, CA. Duties include the review of all clinical and empirical research using human participants for conformance with federal and local guidelines regarding the ethical treatment of research participants.

ADMINISTRATIVE EXPERIENCE (continued)

- 1986-1989 **Founder and Chair, Chapman University Institutional Review Board,**
Chapman University, Orange, CA. In addition to authoring the Institutional Assurances for the protection of human and animal research participants, duties include the review of all research projects for conformance with DHHS guidelines.
- 1981-1986 **Chair, Department of Psychology,** Chapman University, Orange, CA. Duties included the administration of a four-year, undergraduate program and three, M.A. programs in Psychology, involving 8 full-time faculty, 100 undergraduate majors, and 90 graduates.
- 1978-1983 **Director of Testing Services,** Chapman University, Orange, CA. Duties involved the coordination of institutional and national testing programs, including direct responsibilities for test security, test administration, and scoring and interpretation. The position further included a primary responsibility for institutional research.

CONSULTANT POSITIONS

- 1997-present **Approved Court Expert:** Superior Court, County of Orange
Statistics and Research Design
Psychological Assessment
Substance Abuse
- 1998-present **Approved Court Expert:** Superior Court, County of Los Angeles
Statistics
Psychological Assessment
- 1989-1999 **Bioethics Consultant,** Pacific Institutional Review Board.

SYMPOSIA PLANNING AND PRESENTATIONS

Schandler, S.L. (1975, December). Development of specifications for the standard description of biological feedback instruments. Paper presented at the Symposium on Clinical Applications of Biofeedback, San Diego, California.

Schandler, S.L. (1976, February). A discussion of instrumentation. Symposium presented at the meeting of the Biofeedback Research Society, Colorado Springs, Colorado.

Schandler, S.L. (chair), Gilbert, F., Marlatt, A., & Maltzman, I. (1987, April). Psychophysiological studies of cognition in alcoholics and nonalcoholics. Invited symposium Cognitive and Behavioral Effects of Alcohol presented at the annual meeting of the Western Psychological Association, Long Beach, California.

Schandler, S.L. (chair), Pollack, V., Finn, P., & Cohen, M.J. (1991, August). The epidemiology and etiology of alcoholism: Psychophysiological risk factors. Symposium presented at the annual meeting of the American Psychological Association, San Francisco, California.

Schandler, S.L. (1992, October; invited). Substance abuse in the spinal cord injured. Invited keynote speaker: Sino-Japanese Symposium on Spinal Column and Spinal Cord Injury, Shanghai, Peoples Republic of China. Paper also presented to the staffs of the China Rehabilitation Center, Beijing and the Red Cross Hospital, Xian, Peoples Republic of China.

Schandler, S.L. (chair), Dorfman, D., Pollock, V., & Thomas, C. (August, 1995). Risk factors in substance abuse: Implications for treatment and management. Symposium presented at the 103rd annual meeting of the American Psychological Association, New York.

Schandler, S.L., Leach, W.V., Nuñez, I., Hayden, G., Arriaga, T., & Cohen, M.J. (August, 1998; invited). Attention deficit disorders and risk for alcoholism. Invited symposium presented at the annual meeting of the American Psychological Association, San Francisco, California. Symposium included in the National Institute of Alcohol Abuse and Alcoholism miniconvention.

Schandler, S.L. (chair), Sullivan, E., Bell, K., & Cohen, M.J. (August, 1998; invited). Brain imaging and substance abuse. Invited symposium presented at the annual meeting of the American Psychological Association, San Francisco, California. Symposium included in the National Institute of Alcohol Abuse and Alcoholism miniconvention.

Schandler, S.L. (chair, discussant), Cohen, M.J., & Naliboff, B.D. (February, 2000). Functional brain imaging applied to psychophysiological studies of information processing. Invited symposium presented at the Year 2000 (10th Annual) Meeting of the International Organization of Psychophysiology, Sydney, Australia.

Flowers, J.V. (chair), Schandler, S.L., & Booraem, C. (May, 2001). Behavioral medicine in feature films: Becoming more positive over time. Invited symposium presented at the annual meeting of the Western Psychological Association, Maui, Hawai'i.

- Schandler, S.L. (chair), Turner, J.A., Lee, J.S., Lacourse, M., & Cohen, M.J. (August, 2001). Brain imaging and neurorehabilitation. Symposium presented at the 2001 annual meeting of the American Psychological Association, San Francisco, California.
- Schandler, S.L., (chair and moderator), Lacourse, M., & Turner, J. (June, 2003). Advances in spinal cord injury research. Symposium presented at annual James J. Peters Symposium on Advances in Spinal Cord Research and Clinical Care, Long Beach, California.
- Flowers, J.V., & Schandler, S.L. (Co-Chairs and Moderators) (August, 2005, Invited). Group therapy in the cinema: History trends through decades. Symposium presented at the annual meeting of the American Psychological Association, Washington, DC.
- Flowers, J.V., & Schandler, S.L. (Co-Chairs and Moderators) (April, 2006). Forensic psychology in the cinema: Dramatic, positive portrayals of Psychology, usually. Presented at the annual meeting of the Western Psychological Association, Palm Springs, California.
- Flowers, J.V., & Schandler, S.L. (Co-Chairs and Moderators) (August, 2007, Invited). Behavioral medicine in the cinema: Reversing the trend. Symposium presented at the annual meeting of the American Psychological Association, San Francisco, CA.
- Flowers, J.V., & Schandler, S.L. (Co-Chairs and Moderators) (August, 2007, Invited). Positive portrayals of military psychologists in feature films: Therapy types. Symposium presented at the annual meeting of the Western Psychological Association, Irvine, CA.
- Flowers, J.V., & Schandler, S.L. (Co-Chairs and Moderators). (August, 2010). Positive portrayals of military psychotherapists in films: Reversing the trend. Presented at the annual meeting of the American Psychological Association, San Diego, CA.
- Flowers, J.V., & Schandler, S.L., (Co-chairs; discussant). (April, 2011). Diagnosis before the DSM: Portrayal of psychopathology in silent movies. Symposium presented at the annual meeting of the Western Psychological Association, Los Angeles, CA.

SYNOPSIS OF MONOGRAPHS AND BOOK CHAPTERS

- Schandler, S.L., & Grings, W.W. (1978). An examination of methods for producing relaxation during short-term laboratory sessions. In J. Kamiya et al. (eds.) *Biofeedback and self-control: An Aldine annual*. Chicago: Aldine.
- Toomin, H., Schandler, S.L., Spiegel, T.H., Freeman, J.A., & Silverberg, B. (Invited, 1979). A bioelectric glossary. In E. Peper, S. Ancoli, & M. Quinn (Eds.) *Mind/body integration: Essential readings in biofeedback*. New York: Plenum.
- Toomin, H., Schandler, S.L., Spiegel, T.H., Freeman, J.A., & Elder, W. (Invited, 1979). Standard specifications for the description of biofeedback instruments. In E. Peper, S. Ancoli, & M. Quinn (Eds.) *Mind/body integration: Essential readings in biofeedback*. New York: Plenum.
- McArthur, D.L., Cohen, M.J., & Schandler, S.L. (1989). A philosophy for the measurement

of pain. In C.R. Chapman & J.D. Loeser (eds.) *Advances in Pain Research and Therapy: Volume 12: Issues in Pain Measurement*. New York: Raven.

McArthur, D.L., Casey, K.L., Morrow, T.J., Cohen, M.J., & Schandler, S.L. (1991). Partial credit modeling and response surface modeling of biobehavioral data. In M.R. Wilson (ed.) *Objective measurement: Theory into practice*. Norwood, New Jersey: Ablex.

Schandler, S.L., & Cohen, M.J. (1997, Invited). Psychophysiological measures of cognitive deficits. In P.W. Corrigan & S.C. Yudofsky (Eds.) *Advances in cognitive rehabilitation*. Chicago: American Psychiatric Press.

Schandler, S.L., Jaenichen, C., Ryan, T., & Bredice, M. (2012). Cognitive evaluation of methods for providing evacuation information and instruction. Orange, CA: Chapman University Publishing.

PUBLICATIONS: Peer-Reviewed (Bolded = Student Author)

1. Schandler, S.L. (1976). Effects of increases in arousal upon the acquisition of a conditioned response during discriminative autonomic classical conditioning. Dissertation submitted in partial fulfillment of the requirements for Ph.D., University of Southern California.
2. Schandler, S.L. & Grings, W.W. (1974). A system for providing tactile EMG biofeedback. *Behavior Research Methods & Instrumentation*, 6, 541-542.
3. Grings, W.W. & Schandler, S.L. (1977). Interaction of learned relaxation and aversion. *Psychophysiology*, 14, 275-280.
4. Schandler, S.L. & Grings, W.W. (1977). An examination of methods for the production of relaxation during short-term laboratory sessions. *Behavior Research and Therapy*, 14, 419-426.
5. Schandler, S.L. (1978). Effects of momentary increases and decreases in arousal during discriminative autonomic conditioning. *Psychophysiology*, 15, 451-459.
6. Schandler, S.L. & Grings, W.W. (1978, invited paper). Feedback modality as a consideration in biofeedback applications. *Behavior Research and Instrumentation*, 10, 597-606.
7. Schandler, S.L. & Grings, W.W. (1978). An examination of methods for producing relaxation during short-term laboratory sessions. In J. Kamiya et al. (Eds.) *Biofeedback and self-control: An Aldine annual*. Chicago: Aldine Publishing.
8. Toomin, H., Schandler, S.L., Spiegel, T.H., Freeman, J.A., & Elder, W. (1979). Standard specifications for the description of biofeedback instruments. In E. Peper, S. Ancoli, & M. Quinn (Eds.) *Mind/body integration: Essential readings in biofeedback*. New York: Plenum.

9. Toomin, H., Schandler, S.L., Spiegel, T.H., Freeman, J.A., & Silverberg, B. (1979). A bioelectric glossary. In E. Peper, S. Ancoli, & M. Quinn (Eds.) *Mind/body integration: Essential readings in biofeedback*. New York: Plenum.
10. Schandler, S.L., & Cohen, M.J. (1979). A modular system for detecting and displaying plethysmographic blood volume pulse amplitude. *Psychophysiology*, *15*, 273-275.
11. Cohen, M.J., Naliboff, B.D., Schandler, S.L., & Heinrich, R.L. (1981). Signal detection and threshold measures for chronic back pain patients, chronic illness patients, and cohort controls to radiant heat stimuli. *Journal of Abnormal Psychology*, *90*, 271-274.
12. Collins, G.A., Cohen, M.J., Naliboff, B.D., & Schandler, S.L. (1982). Comparative analysis of paraspinal and frontalis EMG, heart rate, and skin conductance in chronic low back pain patients and normals to various postures and stress. *Scandinavian Journal of Rehabilitation Medicine*, *14*, 39-46.
13. Cohen, M.J., Naliboff, B.D., Schandler, S.L., & Heinrich, R.L. (1983). Signal detection and threshold measures to loud tones and radiant heat in chronic low back pain patients and cohort controls. *Pain*, *16*, 245-252.
14. Cohen, M.J., Schandler, S.L., & Naliboff, B.D. (1983). Psychophysiological measures from intoxicated and detoxified alcoholics. *Journal of Studies on Alcohol*, *44*, 271-282.
15. Schandler, S.L., & Dana, E.R. (1983). Cognitive imagery and operant feedback relaxation procedures applied to clinically tense young adults: A comparison of state, trait, and physiological effects. *Journal of Clinical Psychology*, *39*, 672-681.
16. Schandler, S.L., Cohen, M.J., & Naliboff, B.D. (1984). Alcohol influenced changes in activation peaking during paired-associate verbal learning. *Journal of Studies on Alcohol*, *45*, 493-499.
17. Cohen, M.J., Swansen, G.A., Naliboff, B.D., Schandler, S.L., & McArthur, D.L. (1986). Electromyographic response patterns during postures and stress tasks in chronic low back pain patients and control subjects. *Journal of Psychosomatic Research*, *30*, 135-141.
18. McArthur, D.L., Cohen, M.J., Gottlieb, H., Naliboff, B.D., & Schandler, S.L. (1987). Comprehensive treatment of chronic low back pain I: Status from admission to initial follow-up. *Pain*, *29*, 1-22.
19. McArthur, D.L., Cohen, M.J., Gottlieb, H., Naliboff, B.D., & Schandler, S.L. (1987). Comprehensive treatment of chronic low back pain II: Status at long-term follow-up. *Pain*, *29*, 23-38.
20. Schandler, S.L., Cohen, M.J., & McArthur, D.L. (1988). Event-related brain potentials in intoxicated and detoxified alcoholics during visuospatial learning. *Psychopharmacology*, *84*, 275-283.

21. Schandler, S.L., Cohen, M.J., McArthur, D.L., & **Hassel, A.** (1988). Activation peaking in intoxicated and detoxified alcoholics during visuo-spatial learning. *Journal of Studies on Alcohol*, 49, 126-130.
22. McArthur, D.L., Schandler, S.L., & Cohen, M.J. (Invited Article, 1988). Computers in human psychophysiological research. *Computers in Human Behavior*, 4, 111-124.
23. Cohen, M.J., McArthur, D.L., Vulpe, M., Schandler, S.L., & Gerber, K.E. (1988). Comparing pain from spinal cord injury to pain of other origins. *Pain*, 35, 57-64.
24. Schandler, S.L., Brannock, J.C., Cohen, M.J., **Antick, J., & Kaine, K.** (1989). Visuospatial learning performance in children with and without a family history of alcoholism. *Journal of Studies on Alcohol*, 49, 538-545.
25. Cohen, M.J., Schandler, S.L., & McArthur, D.L. (1989). Spatial learning of visual "nonsense figures" during ethanol intoxication. *Perceptual and Motor Skills*, 68, 599-606.
26. McArthur, D.L., Cohen, M.J., & Schandler, S.L. (1989). A philosophy for the measurement of pain. In C.R. Chapman & J.D. Loeser (Eds.) *Advances in pain research and therapy: Volume 12: Issues in pain measurement*. New York: Raven Press.
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PUBLISHED ABSTRACTS: Peer-Reviewed (Bolded = Student Author)

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PRESENTATIONS: Peer-Reviewed (Bolded = Student Author)

1. Schandler, S.L., & Grings, W.W. (1974, April). Comparison of progressive relaxation and EMG biofeedback procedures. Paper presented at the meeting of the Western Psychological Association, San Francisco, California.
2. Schandler, S.L., & Grings, W.W. (1975, April). A comparison of tactile EMG biofeedback, visual EMG biofeedback, and progressive relaxation procedures. Paper presented at the meeting of the Western Psychological Association, Sacramento, California.
3. Schandler, S.L. (1975, December). Development of specifications for the standard description of biological feedback instruments. Paper presented at the Symposium on Clinical Applications of Biofeedback, San Diego, California.
4. Schandler, S.L. (1976, February). A discussion of instrumentation. Symposium presented at the meeting of the Biofeedback Research Society, Colorado Springs, Colorado.
5. Schandler, S.L., & Grings, W.W. (1976, April). Production of a stimulus-controlled relaxation response using EMG biofeedback relaxation procedures. Paper presented at the meeting of the Western Psychological Association, Los Angeles, California.
6. Schandler, S.L. (1976, October). Effects of arousal upon the acquisition of a discriminative autonomic conditioned response. Paper presented at the meeting of the Society for Psychological Research, San Diego, California.
7. Schandler, S.L. (1978). Treatment of eczema using EMG biofeedback relaxation procedures. Paper presented at the annual meeting of the Biofeedback Society of America, Albuquerque, New Mexico.
8. Schandler, S.L., **Mangiofico, G., & Vincent, C.L.** (1978, April). Effects of emotion associated with stimuli during paired-associate learning in preschool children. Paper presented at the meeting of the Western Psychological Association, San Francisco, California.

9. Schandler, S.L. (1978, January). The psychophysiology of stress. Invited presentation to the Biofeedback Training Seminar for Professionals, Los Angeles, California.
10. Schandler, S.L., & **Chambers, P.** (1979, March). A psychophysiological examination of EMG biofeedback, guided imagery, and progressive relaxation procedures. Paper presented at the annual meeting of the Biofeedback Society of America, San Diego, California.
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12. Schandler, S.L., **Dana, E., Chambers, P., & Vincent, C.L.** (1979, April). The effects of relaxation training procedures on learning in grade-school children. Paper presented at the annual meeting of the Western Psychological Association, San Diego, California.
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15. Schandler, S.L., & **Dana, E.** (1980, March). Effects associated with incremental delays in the presentation of EMG feedback information. Paper presented at the annual meeting of the Biofeedback Society of America, Colorado Springs, Colorado.
16. Schandler, S.L., & **Norton, K.L.** (1980, May). Effects of imagery-based problem solving training on simple and complex problem solving tasks. Paper presented at the annual meeting of the Western Psychological Association, Honolulu, Hawaii.
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the Western Psychological Association, Los Angeles, California.

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22. **McCandless, J.L.**, & Schandler, S.L. (1982, April). Noncontingent reinforcement effects during perceptual motor skills learning. Paper presented at the annual meeting of the Western Psychological Association, Sacramento, California.
23. Schandler, S.L., **Davignon, M.M.**, **McCarthy, C.**, & **Prichard, L.** (1982, April). State-dependent activation effects during paired-associate verbal learning. Paper presented at the annual meeting of the Western Psychological Association, Sacramento, California.
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25. **Murray, J.S.**, Fradkin, C., & Schandler, S.L. (1983, January). Health science program evaluation by graduates. Paper presented at the annual meeting of the Research in Nursing Education Conference, San Francisco, California.
26. **Polzin, P.**, & Schandler, S.L. (1983, August). Bender-Gestalt and WISC-R applied to intelligence assessments in Hispanic children. Paper presented at the annual meeting of the American Psychological Association, Anaheim, California.
27. Schandler, S.L., **Dana, E.R.**, & **Weimer, R.** (1984, April). Psychophysiological and task effects associated with variations in feedback information frequency. Paper presented at annual meeting of the Western Psychological Association, Los Angeles, California.
28. Schandler, S.L., & **McCandless, J.** (1984, April). Learned helplessness and perceived task performance noncontingency in adults and children. Paper presented at the annual meeting of the Western Psychological Association, Los Angeles.
29. Cohen, M.J., Levor, R.M., Schandler, S.L., Naliboff, B.D., & Heuser, G. (1984, June). Vasomotor and muscles activity of the head and neck in migraine and control subjects during induced stress. Presented at the Twenty-sixth Annual Meeting of the American Association for the Study of Headache, San Francisco, California.
30. Swanson, G.H., Cohen, M.J., Naliboff, B.D., & Schandler, S.L. (1984, August). Comparison of psychophysiological response patterns during posture and stress tasks in chronic low back pain patients and control subjects. Presented to the Fourth World Congress on Pain, Seattle, Washington.
31. Schandler, S.L., **Dana, E.R.**, & **Weimer, R.** (1985, April). Perceived locus of control associated with variations in feedback information frequency. Paper presented at the annual meeting of the Western Psychological Association, San Jose, California.

32. Schandler, S.L., & **Stevens, D.** (1985, April). Cognitive-based 'subliminal' protocols applied to the control of smoking behavior. Paper presented at the annual meeting of the Western Psychological Association, San Jose, California.
33. Schandler, S.L., & **Stevens, D.** (1985, April). Extrinsic motivation as a factor in altering perceptual awareness threshold. Paper presented at the annual meeting of the Western Psychological Association, San Jose, California.
34. **Oncley, P.R. Jr.**, Brannock, J., & Schandler S.L. (1985, April). Level of cognitive development in a cross-cultural sample of adolescent drinkers. Paper presented at the annual meeting of the Western Psychological Association, San Jose, California.
35. Schandler, S.L., Cohen, M.J., McArthur, D.L., & Naliboff, B.D. (1985, April). Visual-spatial learning in intoxicated and nonintoxicated alcoholics and nonalcoholics. Paper presented at the annual meeting of the Western Psychological Association, San Jose, California.
36. Schandler, S.L., Cohen, M.J., McArthur, D.L., & Naliboff, B.D. (1985, August). Activation peaking in intoxicated and detoxified alcoholics during visual-spatial learning. Paper presented at the annual meeting of the American Psychological Association, Los Angeles, California.
37. Schandler, S.L., Cohen, M.J., McArthur, D.L., & Naliboff, B.D. (1985, October). Electrophysiological activity and visuo-spatial learning in intoxicated and nonintoxicated alcoholics and nonalcoholics. Paper presented at the annual meeting of the Society for Psychophysiological Research, Houston, Texas.
38. **Dana, E.R.**, Duval, T.S., Duval, V.H., & Schandler, S.L. (1986, May). Objective self-awareness and attributional system intersection. Paper presented at the annual meeting of the Western Psychological Association, Seattle, Washington.
39. Cohen, M.J., Schandler, S.L., **Doughty, C.**, **Schnoebelen, M.**, & **Dana, E.R.** (1986, October). Learning performance and physiological patterning relative to hemispheric processing. Paper presented at the annual meeting of the Society for Psychophysiological Research, Montreal, Quebec, Canada.
40. Schandler, S.L., Cohen, M.J., **Dana, E.R.**, & **Allen, R.** (1986, October). Visuospatial learning and activation peaking in nonalcoholics with and without a family history of alcoholism. Paper presented at the annual meeting of the Society for Psychophysiological Research, Montreal, Quebec, Canada.
41. Schandler, S.L., Cohen, M.J., & McArthur, D.L. (1986, December). Event-related potentials in intoxicated and detoxified alcoholics during visuospatial learning. Invited paper presented at the annual meeting of the Veterans Administration Research and Development Conference, Las Vegas, Nevada.

42. Schandler, S.L. (1987, April). Psychophysiological studies of cognition in alcoholics and nonalcoholics. Invited symposium Cognitive and Behavioral Effects of Alcohol presented at the annual meeting of the Western Psychological Association, Long Beach, California.
43. Husak, W.S., Cohen, M.J., McArthur, D.L., & Schandler, S.L. (1987, August). Activational differences between high and low contextual interference motor learning conditions. Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Vancouver, British Columbia, Canada.
44. Cohen, M.J., McArthur, D.L., Vulpe, M., Schandler, S.L., & Gerber, K.E. (1988, April). Chronic pain in the spinal cord injured. Paper presented at the annual meeting of the Society of Behavioral Medicine, Boston, Massachusetts.
45. McArthur, D.L., Cohen, M.J., Schandler, S.L., Vulpe, M., & Gerber, K.E. (1988, April). Mathematical modeling of the McGill Pain Questionnaire. Paper presented at the annual meeting of the Society of Behavioral Medicine, Boston, Massachusetts.
46. Schandler, S.L., Brannock, J.C., Cohen, M.J., & McArthur, D.L. (1988, April). Visuo-spatial learning in elementary school children with and without a family history of alcoholism. Paper presented at the annual meeting of the Society of Behavioral Medicine, Boston, Massachusetts.
47. Dana, E.R., Duval, T.S., & Schandler, S.L. (1988, April). An evaluation of attributions for negative feedback associated with the theory of objective self-awareness. Paper presented at the annual meeting of the Western Psychological Association, Burlingame, California.
48. **Dana, E.R.**, Duval, T.S., & Schandler, S.L. (1988, April). Internalization of standards of correctness inherent within the theory of objective self-awareness. Paper presented at the annual meeting of the Western Psychological Association, Burlingame, California.
49. **Antick, J., Karlan, V.**, & Schandler, S.L. (1988, April). Activation and temporal perception associated with long and short-wavelength colors. Paper presented at the annual meeting of the Western Psychological Association, Burlingame, California.
50. Schandler, S.L., Cohen, M.J., McArthur, D.L., Brannock, J.C., **Antick, J.** & **Moran, P.** (1988, August). Visuospatial learning and hemispheric processing in adult nonalcoholics with and without a family history of alcoholism. Paper presented at the annual meeting of the American Psychological Association, Atlanta, Georgia.
51. Schandler, S.L., Brannock, J.C., Cohen, M.J., McArthur, D.L., & **Antick, J.** (1988, October). Activation peaking and visuospatial learning related to familial alcoholism. Paper presented at the annual meeting of the Society for Psychophysiological Research, San Francisco, California.
52. **Antick, J.**, & Schandler, S.L. (1989, April). Temporal perception of long- and short-wavelength colors. Paper presented at the annual meeting of the Western and Rocky Mountain Psychological Associations, Reno, Nevada.

53. Dana, E.R., Schandler, S.L., & Duval, S. (1989, April). Physiological components of the self to standard comparison process with self-awareness theory. Paper presented at the annual meeting of the Western and Rocky Mountain Psychological Associations, Reno, Nevada.
54. McArthur, D.L., Casey, K.L., Morrow, T.J., Cohen, M.J., & Schandler, S.L. (1989, October). Assessing probabilities of pain responses to thermal stimuli. Paper presented at the annual meeting of the American Pain Society, Phoenix, Arizona.
55. Cohen, M.J., Schandler, S.L., Vulpe, M., & McArthur, D.L. (1989, October). Orienting to auditory and visual stimuli in spinal cord injured humans. Paper presented at the annual meeting of the Society for Psychophysiological Research, New Orleans, Louisiana.
56. Schandler, S.L., Cohen, M.J., **Antick, J.R.**, McArthur, D.L., & **Argue, K.** (1989, October). Activation peaking during verbal and visuospatial learning. Paper presented at the annual meeting of the Society for Psychophysiological Research, New Orleans, Louisiana.
57. Cohen, M.J., Husak, W.S., Young, D.E., McArthur, D.L., & Schandler, S.L. (1990, April). Contextual interference: Is it elaboration of forgetting? Paper presented at the annual meeting of the Western Psychological Association, Los Angeles, California.
58. Dana, E.R., **Burd, K.**, Schandler, S.L., & Duval, T.S. (April, 1990). Psychophysiological indices of negative affect in self-awareness theory. Paper presented at the annual meeting of the Western Psychological Association, Los Angeles, California.
59. **Lall, R.L.**, & Schandler, S.L. (1990, April). Michigan Alcohol Screening Test (MAST) scores and academic performance in college students. Paper presented at the annual meeting of the Western Psychological Association, Los Angeles, California.
60. Schandler, S.L., Brannock, J.C., Cohen, M.J., & **Antick, J.R.** (1990, April). Spatial learning deficits in adolescent children of alcoholics. Paper presented at the annual meeting of the Western Psychological Association, Los Angeles, California.
61. Schandler, S.L., Cohen, M.J., **Antick, J.R.**, McArthur, D.L., **Dunn, S.**, & **Christensen, A.M.** (1990, April). Information processing during verbal and visuospatial learning. Paper presented at the annual meeting of the Western Psychological Association, Los Angeles, California.
62. Cohen, M.J., Husak, W.S., McArthur, D.L., & Schandler, S.L. (1990, June). Activation does change during acquisition under differing contextual interference conditions. Presented at the annual meeting of the American Psychological Society, Dallas, Texas.
63. Schandler, S.L. (1990, October). The role of nurses in spinal cord injury research. Invited presentation at the annual meeting of the Department of Veterans Affairs Nursing Research Conference, Long Beach, California.
64. Cohen, M.J., Schandler, S.L., & McArthur, D.L. (1990, October). Orienting behavior in adult children of alcoholics. Paper presented at the annual meeting of the Society for Psychophysiological Research, Boston, Massachusetts.

65. Schandler, S.L., Dana, E.R., **Dunn, S., Burd, K.,** & Duval, T.S. (1990, October). Level of self-awareness and psychophysiological patterns of activation. Paper presented at the annual meeting of the Society for Psychophysiological Research, Boston, Massachusetts.
66. Schandler, S.L., Vulpe, M., **Rajan, R.K.,** Cohen, M.J., & **Ryan, K.** (1991, April). Patient and staff perceptions of digital stimulation and pulsed irrigation bowel care for the spinal cord injured. Paper presented at the annual meeting of the American Spinal Injury Association, Seattle, Washington.
67. Schandler, S.L., Cohen, M.J., **Antick, J.R.,** & **Blackburn, P.A.** (1991, April). Visuospatial and semantic information processing in adult children of alcoholics. Paper presented at the annual meeting of the Western Psychological Association, San Francisco, California.
68. Dana, E.R., **Presson, P.,** Schandler, S.L., & **Dunn, S.** (1991, April). Field dependence in adult children of alcoholics. Paper presented at the annual meeting of the Western Psychological Association, San Francisco, California.
69. Schandler, S.L. (chair), **Pollack, V.,** Finn, P., & Cohen, M.J. (1991, August). The epidemiology and etiology of alcoholism: Psychophysiological risk factors. Symposium presented at the annual meeting of the American Psychological Association, San Francisco, California.
70. Schandler, S.L. (1991, August). Visuospatial information processing as a risk factor in alcoholism. Paper presented at the annual meeting of the American Psychological Association, San Francisco, California.
71. Schandler, S.L., **O'Connor, N.,** & Cohen, M.J. (1992, April). Spatial learning deficits in pre-school children of alcoholics. Paper presented at the annual meeting of the Western Psychological Association, Portland, Oregon.
72. **Holte, J.L.,** Schandler, S.L., & **Russell, E.L.** (1992, April). The development of competence in young children. Paper presented at the annual meeting of the Western Psychological Association, Portland, Oregon.
73. **Presson, P.K., Cavin-Stice, J.,** Schandler, S.L., & Dana, E.R. (1992, April). Perceived control and the selection of coping strategies. Paper presented at the annual meeting of the Western Psychological Association, Portland, Oregon.
74. Cohen, M.J., Schandler, S.L., Vulpe, M., & **Antick, J.R.** (1992, May). Event-related potentials to auditory stimuli of varying intensity in spinal cord injured persons. Paper presented at the annual meeting of the American Spinal Injury Association, Toronto, Canada.
75. Schandler, S.L., Cohen, M.J., **Blackburn, P.,** & Dana, E.R. (1992, June). Awareness of visuospatial learning deficits in adult children of alcoholics. Paper presented at the annual meeting of the American Psychological Society, San Diego, California.
76. **Jensen, N.J.,** Schandler, S.L., & Cervantes, N.N. (1992, August). Length of counseling associated with information processing in adult children of alcoholics. Paper presented at the Centennial Meeting of the American Psychological Association, Washington, D.C.

77. Schandler, S.L., Cohen, M.J., **Cavin-Stice, J., Mardis, M., & Rascoe-Frank, S.** (1992, August). Alcoholism risk, alcohol use, and spinal cord injury. Paper presented at the Centennial Meeting of the American Psychological Association, Washington, D.C.
78. Schandler, S.L. (1992, October, Invited Paper). Substance abuse in the spinal cord injured. Invited keynote speaker: Sino-Japanese Symposium on Spinal Column and Spinal Cord Injury, Shanghai, Peoples Republic of China. Paper also presented to the staffs of the China Rehabilitation Center, Beijing and the Red Cross Hospital, Xian, Peoples Republic of China.
79. **Song, Z.**, Ament, P.A., Cohen, M.J., Schandler, S.L., Ho, W., & Vulpe, M. (1992, October). Two-point discrimination thresholds in dysesthetic pain patients with spinal cord injury. Paper presented at the annual meeting of the American Pain Association, San Diego, California.
80. **Queen, E.A., Contreras, C.**, Dana, E.R., & Schandler, S.L. (1993, April). Alcohol and substance knowledge and use by college freshmen. Paper presented at the annual meeting of the Western Psychological and Rocky Mountain Psychological Associations, Phoenix, Arizona.
81. St. Peter, S., Schandler, S.L., & **Presson, P.K.** (1993, April). Exercise attitudes and practices among runners and their families. Paper presented at the annual meeting of the Western Psychological and Rocky Mountain Psychological Associations, Phoenix, Arizona.
82. St. Peter, S., Schandler, S.L., & **Presson, P.K.** (1993, April). Nutritional attitudes and practices among runners and their families. Paper presented at the annual meeting of the Western Psychological and Rocky Mountain Psychological Associations, Phoenix, Arizona.
83. Schandler, S.L., **Klucas, S., & Thomas-Bigney, C.S.** (1993, April). Spatial learning of semantic information by adult children of alcoholics. Paper presented at the annual meeting of the Western Psychological and Rocky Mountain Psychological Associations, Phoenix, Arizona.
84. Schandler, S.L., Cohen, M.J., **Klucas, S.K., & Bigney-Thomas, C. S.** (August, 1993). Awareness and compensation of visuospatial deficits by adult children of alcoholics. Paper presented at the annual meeting of the American Psychological Association, Toronto, Canada.
85. Schandler, S.L., Vulpe, M., Cohen, M.J., Ament, P.A., & **Causing, L.** (November, 1993). Comparison of portable, fixed-frame, and air fluidized bed floatation systems for the treatment of pressure sores in the spinal cord injured. Paper presented at the Fourth Annual Long Beach Research Consortium Symposium, Long Beach, California.
86. Cohen, M.J., Ament, P.A., Schandler, S.L., & Vulpe, M. (November, 1993). Altered P300 averaged evoked potential activity in spinal cord injured patients during tactual, auditory, and visual tasks. Paper presented at the Fourth Annual Long Beach Research Consortium Symposium, Long Beach, California.

87. **Song, Z.**, Cohen, M.J., Ament, P.A., Schandler, S.L., Ho, W., & Vulpe, M. (November, 1993). Tactual detection threshold and pain threshold in spinal cord injured patients with dysesthetic pain. Paper presented at the Fourth Annual Long Beach Research Consortium Symposium, Long Beach, California.
88. **Song, Z.**, Cohen, M.J., Ament, P.A., Schandler, S.L., Ho, W., & Vulpe, M. (November, 1993). Tactual sensitivity and cortical reorganization of dysesthetic pain patients with spinal cord injury. Paper presented at the Fourth Annual Long Beach Research Consortium Symposium, Long Beach, California.
89. Schandler, S.L., Vulpe, M., Cohen, M.J., Ament, P., & **Causing, L.** (April, 1994). Comparison of portable, fixed-frame, and air fluidized bed flotation systems for the treatment of pressure sores in the spinal cord injured. Paper presented at the annual meeting of the American Spinal Injury Association, Philadelphia, Pennsylvania.
90. Ament, P.A., Cohen, M.J., Schandler, S.L., & Vulpe, M. (April, 1994). P300 averaged ERP changes in spinal cord injured patients during auditory, tactile, and visual tasks. Paper presented at the annual meeting of the Western Psychological Association, Kona, Hawai'i.
91. **Song, Z.**, Cohen, M.J., Ament, P.A., Schandler, S.L., Ho, W., & Vulpe, M. (April, 1994). Tactual sensitivity of dysesthetic pain patients with spinal cord injury. Paper presented at the annual meeting of the Western Psychological Association, Kona, Hawai'i.
92. Schandler, S.L., Cohen, M.J., & Ament, P.A. (May, 1994). Spatial learning of semantic information by adult children of alcoholics. Paper presented at the 1st annual Faculty Research Poster Session, College of Medicine, University of California, Irvine.
93. Schandler, S.L., **Clegg, A.D.**, Cohen, M.J., & Ament, P.A. (June, 1994). Visuospatial information processing in recovering alcoholics. Paper invited for presentation at the annual Medical Center Director's Research Conference, VAMC, Long Beach, California.
94. Schandler, S.L., **Clegg, A.D.**, Cohen, M.J., & **Thomas, C. S.** (June, 1994). Visuospatial information processing in long-term abstinent alcoholics. Paper presented at the annual meeting of the Research Society on Alcoholism, June, 1994, Maui, Hawai'i.
95. Schandler, S.L., **Thomas, C.S.**, Cohen, M.J., & **Klegg, A.D.** (August, 1994). Semantic-spatial information processing in adult children of alcoholics. Paper presented at the 102nd annual meeting of the American Psychological Association, Los Angeles, California.
96. Schandler, S.L., **Crandall, J.**, & Cohen, M.J. (August, 1994). Cognitive status of adult children of alcoholics seeking counseling services. Paper presented at the 102nd annual meeting of the American Psychological Association, Los Angeles, California.
97. **Queen, E.**, Schandler, S.L., & Dana, E.R. (August, 1994). Alcohol and drug consumption practices and knowledge in college students. Paper presented at the 102nd annual meeting of the American Psychological Association, Los Angeles, California.

98. Ament, P.A., Cohen, M.J., & Schandler, S.L. (October, 1994). Auditory ERP and BAER changes after spinal cord injury in humans. Paper presented at the annual meeting of the Society for Psychophysiological Research, Atlanta, Georgia.
99. Schandler, S.L., Cohen, M.J., Ament, P.A., & Vulpe, M. (November, 1994). Problem solving and coping strategies in spinal cord injured patients with and without a family history of alcoholism. Paper presented at the fifth annual Long Beach Research Symposium, Long Beach Memorial Medical Center, Long Beach, CA.
100. Schandler, S.L. (December, 1994). New directions in the etiology and epidemiology of alcoholism. Invited Research Lecture, Medical Research Service, Veterans Affairs Medical Center, Long Beach. One credit of continuing medical education.
101. Schandler, S.L. (chair) (August, 1995). Risk factors in substance abuse: Implications for treatment and management. Symposium presented at the 103rd annual meeting of the American Psychological Association, New York.
102. Schandler, S.L. (August, 1995). Risk factors in the management of substance abuse and related problems. Paper presented at the 103rd annual meeting of the American Psychological Association, New York.
103. Schandler, S.L., Cohen, M.J., **Thomas, C.S., Rojas, R., & Pampalone, I.** (November, 1995). Cognitive characteristics of spinal cord injured veterans with and without a family history of alcoholism. Paper presented at the 6th annual Long Beach Research Symposium, Long Beach, California.
104. **Jackson, S.,** & Schandler, S.L. (April, 1996). Selected current therapeutic interventions for PTSD: Developing effective treatment protocols. Paper presented at the annual meeting of the Western Psychological Association, San Jose, California.
105. Dana, E.R., **Cruz-Larios, N., Leach, W., Phelps, M.J., Quiroz, P.,** & Schandler, S.L. (April, 1996). Objective self-awareness and expectations of outcome favorability. Paper presented at the annual meeting of the Western Psychological Association, San Jose, California.
106. Schandler, S.L., Cohen, M.J., **Thomas, C.S., Rojas, R., & Pampalone, I.** (April, 1996). Cognitive characteristics of spinal cord injured adult children of alcoholics. Paper presented at the annual meeting of the Western Psychological Association, San Jose, California.
107. Schandler, S.L., **Leach, W., Thomas, C.S., Platt, H.,** & Cohen, M.J. (October, 1996). Psychophysiological-indexing of long-term memory deficits in adult children of alcoholics. Paper accepted for presentation at the annual meeting of the Society for Psychophysiological Research, Vancouver, British Columbia, Canada.

108. Schandler, S.L., **Guclu, C.C.**, Wang, Z., Cohen, M.J., **Thomas, C.S.**, **Leach, W.V.**, & Nalcioglu, O. (April, 1997). Brain imaging of visuospatial and verbal information processing in adult children of alcoholics. Paper presented at the 5th annual meeting of the International Society of Magnetic Resonance in Medicine, Vancouver, British Columbia, Canada.
109. **Yago, K.** & Schandler, S.L. (April, 1997). Behavioral treatments for PTSD: New directions. Paper presented at the annual meeting of the Western Psychological Association, Seattle, Washington.
110. Schandler, S.L., **Guclu, C.C.**, Wang, Z., Cohen, M.J., **Leach, W.V.**, Haier, R.J., & Nalcioglu, O. (May, 1997). Functional magnetic resonance imaging of adult children of alcoholics during visuospatial and verbal information processing. I. Paper presented at the Third International Conference on Functional Mapping of the Human Brain, Copenhagen, Denmark.
111. Cohen, M.J., Woo, J., Haier, R.J., & Schandler, S.L., (1997). Brain mapping of spinal cord injured with high level injuries. Paper presented at the Third International Conference on Functional Mapping of the Human Brain, Copenhagen, Denmark.
112. Schandler, S.L., Cohen, M.J., **Leach, W.V.**, & **Thomas, C.S.** (July, 1997). Functional magnetic resonance imaging of adult children of alcoholics. Paper presented at the annual meeting of the Research Society on Alcoholism, San Francisco, California.
113. Schandler, S.L., **Leach, W.V.**, **Nuñez, I.**, & Cohen, M.J. (October, 1997). Heightened acoustic startle reflex in adult children of alcoholics. Paper presented at the annual meeting of the Society for Psychophysiological Research, Cape Cod, Massachusetts.
114. Schandler, S.L., **Leach, W.V.**, **Nuñez, I.**, **Hayden, G.**, **Arriaga, T.**, & Cohen, M.J. (August, 1998; invited). Attention deficit disorders and risk for alcoholism. Invited symposium presented at the annual meeting of the American Psychological Association, San Francisco, California. Symposium included in the National Institute of Alcohol Abuse and Alcoholism miniconvention.
115. Schandler, S.L. (chair), Sullivan, E., Bell, K., & Cohen, M.J. (August, 1998; invited). Brain imaging and substance abuse. Invited symposium presented at the annual meeting of the American Psychological Association, San Francisco, California. Symposium included in the National Institute of Alcohol Abuse and Alcoholism miniconvention.
116. Schandler, S.L. (August, 1998; invited). Functional brain imaging of adult children of alcoholics. Symposium paper presented at the annual meeting of the American Psychological Association, San Francisco, California. Paper included in the National Institute of Alcohol Abuse and Alcoholism miniconvention.
117. **Leach, W.L.**, & Schandler, S.L. (March, 1999). Frontal lobe functioning in adolescents with ADHD. Paper presented at the annual meeting of the Society of Behavioral Medicine, San Diego, California.

118. Brannock, J.C., **Hayden, G.L., Stokes, T.A., Sanchez, D.,** & Schandler, S.L. (May, 1999). Information processing, gender, and risk for alcoholism. Paper presented at the 1999 Annual Meeting of the Western Psychological Association, Irvine, California.
119. **Rissling, A.,** & Schandler, S.L. (May, 1999). Effect of task difficulty on attention and orienting. Paper presented at the 1999 Annual Meeting of the Western Psychological Association, Irvine, California.
120. Schandler, S.L., **Leach, W.V., Hayden, G., Oleksy, E.,** & Cohen, M.J. (May, 1999). Diminished orienting and attention in adult children of alcoholics. Paper presented at the 1999 Annual Meeting of the Western Psychological Association, Irvine, CA. Also selected to chair this paper session.
121. Schandler, S.L., **Hayden, G., Leach, W.V., Oleksy, E.,** & Cohen, M.J. (May, 1999). Evidence of attention deficit disorder in adult children of alcoholics. Paper presented at the 1999 Annual Meeting of the Western Psychological Association, Irvine, California. Also selected to chair this paper session.
122. Schandler, S.L., **Hayden, G.L., Sanchez, D., Stokes, T.A.,** & Brannock, J.C. (May, 1999). Information processing, ethnic and racial background, and family alcoholism history. Paper presented at the 1999 Annual Meeting of the Western Psychological Association, Irvine, California.
123. Schandler, S.L., **Leach, W.L.,** Cohen, M.J., **Hayden, G.L., & Oleksy, E.** (June, 1999). Resource allocation in adult children of alcoholics. Paper presented at the annual meeting of the Research Society on Alcoholism, Santa Barbara, California.
124. Schandler, S.L. (February, 2000). Functional brain imaging applied to psychophysiological studies of information processing. Invited paper symposium presented at the Year 2000 (10th Annual) Meeting of the International Organization of Psychophysiology, Sydney, Australia.
125. Schandler, S.L., **McGuire, A., Ivanoff-Levine, I., & Leach, W.V.** (April, 2000). Task difficulty and attention alterations in adults with alcoholism risk. Paper presented at the 2000 annual meeting of the Western Psychological Association, Portland, Oregon. Invited to chair paper session.
126. Schandler, S.L., **Medlin, A.L., Martinez, O., Leach, W.V.,** & Cohen, M.J. (April, 2000). Alcohol facilitates information processing in adult children of alcoholics. Paper presented at the 2000 annual meeting of the Western Psychological Association, Portland, Oregon.
127. Schandler, S.L., **Martinez, O., Medlin, A.L., Leach, W.V.,** & Cohen, M.J. (April, 2000). Low doses of alcohol produce ADHD behaviors in non-alcoholics. Paper presented at the 2000 annual meeting of the Western Psychological Association, Portland, Oregon.
128. Lee, J.S., Turner, J.A., Cohen, M.J., & Schandler, S.L. (June, 2000). Reorganization of the sensory cortex after spinal cord injury. Paper presented at the annual meeting of Human Brain Mapping, Houston, Texas.

129. Schandler, S.L., Cohen, M.J., Turner, J.A., Lee, J.S., & **Leach, W.L.** (October, 2000). Altered sensory cortical processing results in reduced higher-level information operations in persons with alcoholism risk. Paper presented at the annual meeting of the Society for Psychophysiological Research, San Diego, California.
130. Doti, J., Schandler, S.L., & Flowers, J. (May, 2001). Student value congruence and the assessment of a university mission actualization. Paper presented at the annual meeting of the Western Psychological Association, Maui, Hawai'i.
131. Schandler, S.L., & Cohen, M.J. (June, 2001). Functional magnetic resonance imaging locates visuospatial information processing disruptions in adult children of alcoholics. Paper presented at the Seventh Annual Meeting of the Organization for Human Brain Mapping, Brighton, United Kingdom.
132. Schandler, S.L., Cohen, M.J., **Medlin, A., Martinez, O., & Root, T.** (August, 2001). Alcoholism risk and simple and complex visuospatial and verbal learning. Paper presented at the annual meeting of the American Psychological Association, San Francisco, California.
133. Schandler, S.L., Lacourse, M., **Root, T.L., Feres, N., & McQuillin, S.** (April, 2002). Evidence of ADHD in adult children of cigarette smoking parents. Paper presented at the annual meeting of the Western Psychological Association, Irvine, California.
134. Schandler, S.L., Lacourse, M., **Root, T.L., Feres, N., & Puttner, E.** (April, 2002). Response inhibition in adult children of cigarette smoking parents. Paper presented at the annual meeting of the Western Psychological Association, Irvine, California.
135. Schandler, S.L., Cohen, M.J., **Turnbaugh K., & Velez, L.** (October, 2002). Increased response time enhances orienting and information processing in adult children of alcoholics. Paper presented at the annual meeting of the Society for Psychophysiological Research, Washington, D.C.
136. Schandler, S.L., **Feres, N., Wells, N.M., & Nicola-Menke, G.** (October, 2002). Attention hypoarousal in nonsmokers with a family smoking history. Paper presented at the annual meeting of the Society for Psychophysiological Research, Washington, DC.
137. Turner, J.A., Schandler, S.L., & Cohen, M.J. (November, 2002). Cortical atrophy in spinal cord injury. Paper presented at the annual meeting of the Society for Neuroscience, Orlando, Florida.
138. Schandler, S.L., **Nicola-Menke, G., & Smith, A.** (May, 2003). Alcohol as a modulator of attention hyperarousal in adult children of alcoholics. Paper presented at the annual meeting of the American Psychological Society, Atlanta, Georgia.
139. Schandler, S.L., (June, 2003). Alcohol and substance abuse in patients with spinal cord injury. Invited paper presented at the annual James J. Peters Symposium on Advances in Spinal Cord Research and Clinical Care, Long Beach, California.

140. Turner, J.L., Schandler, S.L., Lacourse, M., & Cohen, M.J. (June, 2003). Phantom limb movement activates similar networks to actual movement. Paper presented at annual meeting of Human Brain Mapping, New York, New York.
141. Schandler, S.L., **Smith, A.L., Nicola-Menke, G., & Griffiths, A.** (October, 2003). Stimulus augmentation and resistance to startle habituation in adult children of alcoholics. Paper presented at the annual meeting of the Society for Psychophysiological Research, Chicago, Illinois.
142. Schandler, S.L., **Griffiths, A., & Ritchey, K.** (April, 2004). Attention deficits and risk for alcoholism. Paper presented at the annual meeting of the Western Psychological Association, Phoenix, Arizona.
143. Schandler, S.L., **Griffiths, A., Ritchey, K., & Cohen, M.J.** (August, 2004). Generalization of attention hyperarousal in adult children of alcoholics. Paper presented at the annual meeting of the American Psychological Association, Honolulu, Hawai'i.
144. Flowers, J.V., Schandler, S.L., **Ritchey, K., & Griffiths, A.** (August, 2004). Response to and recollection of the portrayal psychotherapists in movies. Paper presented at the annual meeting of the American Psychological Association, Honolulu, Hawai'i.
145. Flowers, J.V., Schandler, S.L., **Ritchey, K.M., Griffiths, A., Perez, K.A., McManus, M., Laubacher, J., & Babayan, S.** (April, 2005). Recollection of and response to psychotherapists in the movies. Paper presented at the annual meeting of the Western Psychological Association, Portland, Oregon.
146. Schandler, S.L., **Ritchey, K.M., Griffiths, A., Perez, K.A., McManus, M., & Laubacher, J.** (June, 2005). Increase response feedback time enhances information processing in adult children of alcoholics. Paper submitted for presentation at the annual meeting of the American Psychological Society, Los Angeles.
147. Schandler, S.L., **Ritchey, K.M., Griffiths, A., Perez, K.A., McManus, M., & Laubacher, J.** (June, 2005). Increased response time enhances information storage in adult children of alcoholics. Paper submitted for presentation at the annual meeting of the American Psychological Society, Los Angeles.
148. **Schoombe, C., & Schandler, S.L.** (April, 2006). Relationship between cognitive style, accuracy, and position in face recognition. Paper presented at the annual meeting of the Western Psychological Association, Palm Springs, California.
149. Flowers, J.V., Schandler, S.L., **Ritchey, K.M., Schoombee, C., Bernstein, M., & Babayan, S.,** (April, 2006). Recollection of and response to psychotherapists in the movies: The good therapist. Paper presented at the annual meeting of the Western Psychological Association, Palm Springs, California.

150. Flowers, J.V., Schandler, S.L., **Ritchey, K.M., Bernstein, M., & MacKenzie, S.** (August, 2007). Recollection of and response to psychotherapists in the movies: The evil therapist. Paper presented at the annual meeting of the American Psychological Association, San Francisco, California.
151. Schandler, S.L., **Bugescu, N., & Greiner, K.** (April, 2008). Accommodating alcoholism risk factors by adjusting standardized test parameters. Paper presented at the annual meeting of the Western Psychological Association, Irvine, California.
152. Schandler, S.L., Flowers, J.V., & **Flowers, J.M.** (April, 2008). Assessment of cognitive function in young, middle aged, and elderly adults. Paper presented at the annual meeting of the Western Psychological Association, Irvine, California.
153. Schandler, S.L., Flowers, J.V., **Ritchey, K., & Bugescu, N.** (April, 2008). Activation and memory changes associated with therapist portrayal in films. Paper presented at the annual meeting of the Western Psychological Association, Irvine, California.
154. Schandler, S.L., **Cristiano, G.L., Prusha, C. M., & Keil, M.** (August, 2010). Accommodating Alcoholism risk factors by adjusting standardized test parameters. Paper presented at the annual meeting of the American Psychological Association, San Diego, CA.
155. Schandler, S.L., Flowers, J.V., **Meir, G., Judy, R.M., Cristiano, G.L., & Cohen, M.J.** (2010, August). Assessment of cognitive function in young through elderly adults. Paper presented at the annual meeting of the American Psychological Association, San Diego, CA.
156. Schandler, S.L., Flowers, J.V., **Meir, G., Judy, R.M., & Cohen, M.J.** (2010, November). Cognitive capacity and function assessments in health elderly adults. Paper accepted at the annual meeting of the Gerontological Society of America. Session chair.
157. Flowers, J.V., Schandler, S.L., **Marsh, M., & Tovar, S.W.** (2011, April). Response to and recollection of psychotherapist film portrayals: The flawed therapist. Paper presented at the annual meeting of the Western Psychological Association, Los Angeles, CA.
158. Schandler, S.L., **Prusha, C.M., Alan, S.C., Shehadi, M.E., Cogan, C.M., & Paxton, E.F.** (2011, April). Accommodating hyperaroused information processing in persons at risk for alcoholism. Paper presented at the annual meeting of the Western Psychological Association, Los Angeles, CA.
159. Schandler, S.L., (April, 2011). Portrayal of psychopathology in silent movies: Substance abuse. Symposium presentation at the annual meeting of the Western Psychological Association, Los Angeles, CA.
160. Schandler, S.L., Flowers, J.V. (Posthumous), & **Bredice, M.** (November, 2012). Cognitive capacity and function assessments in healthy elderly adults. Paper presented at the annual meeting of the Gerontological Society of America, San Diego, CA.

161. **Anderson, J., Güzel, A.,** Flowers, J. (Posthumous), Schandler, S.L. (April, 2013). Response to and recollection of psychotherapist film portrayals: Flawed therapist. Paper presented at the annual meeting of the Western Psychological Association, Reno, NV.
162. **Berman, J. &** Schandler, S.L. (April, 2013). Accommodating hyperaroused information processing in persons at risk for alcoholism. Paper presented at the annual meeting of the Western Psychological Association, Reno, NV. Paper received the Robert Solso Award for outstanding research.
163. **Bredice, M., Flowers, K., Creek, J., Yoon, N., Brown, C., Flax, S., &** Schandler, S. (April, 2013). Increased response time enhances information processing in adult children of alcoholics. Paper presented at the annual meeting of the Western Psychological Association, Reno, NV.
164. **Bredice, M., Ryan, T., McKenzie, K.,** Schandler, S.L., & Jaenichen, C. (April, 2013). Cognitive evaluation of methods for providing evacuation information. Paper presented at the annual meeting of the Western Psychological Association, Reno, NV.