

CURRICULUM VITAE

JEAN STOCKARD

Phone: 541-556-2694

Summer, 2026

E-mail: jeans@uoregon.edu

Web-page: <http://pages.uoregon.edu/jeans/>

Education

Bachelor of Arts (2), 1969, University of Oregon

Mathematics

Sociology

Master of Arts, 1972, University of Oregon

Sociology

Doctor of Philosophy, 1974, University of Oregon

Sociology

Teaching Positions

- 2006 - Professor Emerita, Department of Planning, Public Policy, and Management, University of Oregon
- 2001- 2006 Professor, Department of Planning, Public Policy, and Management, University of Oregon
- 1988-2001 Professor, Department of Sociology, University of Oregon
- 1981-1988 Associate Professor, Department of Sociology, University of Oregon
- 1976-1981 Assistant Professor, Department of Sociology, University of Oregon
- 1974-1976 Visiting Assistant Professor, Department of Sociology, University of Oregon
- 1971 Graduate Teaching Fellow, Department of Sociology, University of Oregon
- 1969 (Spring) Student Teaching, Astoria Junior High School and Tongue Point Job Corps Center, Astoria, Oregon
- 2007 Adjunct Professor, Professional Studies Program, Northwest Christian College

Other Professional Appointments

- 2021-2025 Interim Co-Director, COACh, University of Oregon
- 2014-2016 Co-Editor, *Sociological Perspectives*
- 2009-2016 Director of Research, The Resource Innovation Group, Eugene, Oregon
- 2008-2017 Director of Research, National Institute for Direct Instruction, Eugene, Oregon
- 2005-2021 Research Associate and Senior Researcher, Committee on the Advancement of Women Chemists (COACh), Department of Chemistry, University of Oregon
- 2007-2009 Data Analyst, Oregon Research Institute, Eugene, Oregon
- 2007 Program Coordinator, Human Services Degree, Professional Studies Program, Northwest Christian College
- 2004-2006 Department Head, Department of Planning, Public Policy and Management, University of Oregon

2003	Acting Department Head, Department of Planning, Public Policy and Management, University of Oregon (March-December)
2002-2011	Senior Faculty Advisor, Community Service Center, Department of Planning, Public Policy, and Management, University of Oregon
2001-2002	Associate Department Head and Undergraduate Program Director, Department of Planning, Public Policy and Management, University of Oregon
2001-2011	Participating Faculty Member, Department of Sociology, University of Oregon
2000-2003	Faculty Liaison for Program Reviews, Graduate School, University of Oregon
1998-2011	Member, Institute of Cognitive and Decision Sciences
1993-2001	Participating Faculty Member, Department of Planning, Public Policy, and Management, University of Oregon
1988-1989	Visiting Scholar, Department of Sociology, Duke University, Durham, North Carolina
1988-2011	Professor of Educational Policy and Management (Courtesy Appointment), Division of Educational Policy and Management, University of Oregon
1987-1988	Acting Department Head, Department of Sociology, University of Oregon
1986-1988	Associate Professor of Educational Policy and Management (Courtesy Appointment), Division of Educational Policy and Management, University of Oregon
1984-1987,	Graduate Program Coordinator, Department of Sociology, University of Oregon
1989-1990	
1983-1985	Co-Director, Center for the Study of Women in Society, University of Oregon
1980-1981	Director, Center for the Sociological Study of Women, University of Oregon
1975-1979	Associate Director (Research), Center for the Sociological Study of Women, University of Oregon
1977-1978	Research Consultant, Eugene School District 4-J
1969-1970	Guidance Counselor, Sanostee Boarding School, Navajo Reservation
1967	Summer Day Camp Counselor, Upper Manhattan YWCA, New York City

Publications

Books and Monographs (Authored)

- All Students Can Succeed: A Half Century of Research on the Effectiveness of Direct Instruction.* Jean Stockard, Timothy W. Wood, Cristy Coughlin, and Caitlin Rasplica Khoury. Lexington Books/Rowman and Littlefield, 2020.
- A Decade of Change and Continuity in Midlife.* Gaylene Carpenter and Jean Stockard, Cambridge Scholars Publishing, 2020.
- Sociology: Discovering Society, 2nd edition.* Jean Stockard, Belmont, California: Wadsworth, 2000; and ancillary materials: *Study Guide for Sociology: Discovering Society; Instructor's Manual for Sociology: Discovering Society.* (Jean Stockard and Linda Heuser). (Revision included new chapters and complete updating of all material.)

Sociology: Discovering Society, Jean Stockard, Belmont, California: Wadsworth, 1997; ancillary materials: *Study Guide for Sociology: Discovering Society*; *Instructor's Manual for Sociology: Discovering Society*. (Jean Stockard and Linda Heuser); and additional material for students and instructors on the web site for the book

Effective Educational Environments, Jean Stockard and Maralee Mayberry, Newbury Park, California: Corwin/Sage, 1992.

Sex and Gender in Society, Jean Stockard and Miriam M. Johnson, Englewood Cliffs, N.J.: Prentice Hall, 1992 (2nd edition of *Sex Roles*, revision by Stockard only).

Sex Equity in Educational Leadership: An Analysis of a Planned Social Change Project, Jean Stockard, Newton, Massachusetts: Education Development Center, 1982.

Sex Roles: Sex Inequality and Sex Role Development, Jean Stockard and Miriam Johnson, 1980, Prentice Hall.

Sex Equity in Education, Jean Stockard, Patricia Schmuck, Ken Kempner, Peg Williams, Sakre Edson, and Mary Ann Smith, 1980, Academic Press (Chapters 1, 2, 3, 5, and 9).

Books and Monographs (Edited)

Strategies for Teaching Students with Severe and Low-Incidence Disabilities, by Siegfried Engelmann, edited by Caitlin Rasplia Khoury and Jean Stockard. 2018. Eugene, OR: NIFDI Press.

The Science and Success of Engelmann's Direct Instruction. Edited by Jean Stockard, Eugene, OR: NIFDI Press, 2014.

Successful and Confident Students with Direct Instruction, by Siegfried Engelmann, 2014. Edited by Jean Stockard with Christina Cox and Jerry Silbert, Eugene, OR: NIFDI Press.

Articles

"The Need for Professional Development Opportunities for Women Scientists Following the COVID-19 Pandemic," Jean Stockard, Nicole S. Ngo, Gianna Linares, Megan Tuleya, Wren Ganey, and Priscilla Lewis, *Journal of Women and Minorities in Science and Engineering*, Forcoming, August, 2026.

"The Declining Likelihood of Completing the Ph.D. in Chemical Sciences: The Role of Graduate School Experiences." Jean Stockard, Nicole S. Ngo, Joerg C. Schlatterer, and Priscilla Lewis. *Journal of Chemical Education*. Online first – July, 2026 - <https://pubs.acs.org/doi/full/10.1021/acs.jchemed.6c00194>

"The COVID-19 Pandemic and Ph.D. Students in the Chemical Sciences: Influences on Degree Completion and Commitment to the Field." Jean Stockard, Nicole S. Ngo, Joerg C. Schlatterer, and Priscilla Lewis. *Journal of Chemical Education*. 103 (8): 4364-4371. <https://doi.org/10.1021/acs.jchemed.6c00192> [fixed here but not in pub file for web]

- "Plans and Experiences of Postdoctoral Scholars in the Chemical Sciences." Schlatterer, Joerg C., Jean Stockard, Nicole S. Ngo, and Priscilla Lewis. *Journal of Chemical Education* 102 11 (2025): 4795-4806. <https://doi.org/10.1021/acs.jchemed.5c00390>
- "Generational Variations in Wellbeing: Suicide Rates, Cohort Characteristics, and National Socio-Political Context over Seven Decades," *Social Forces*, 2025, 104:341-365. Online first February 3, 2025. <https://doi.org/10.1093/sf/soaf019>.
- "The Chemistry Graduate Student Experience: Findings from an ACS Survey." Jean Stockard, Maya Noviski, Celeste M. Rohlfig, Geraldine L. Richmond, and Priscilla Lewis, *Journal of Chemical Education*, 2022, 99(1), 461-468 (on web October 28,2021), DOI: 10.1021/acs.jchemed.1c00610
- "Policies and Practices to Improve the Chemistry Graduate Student Experience: Implications of the ACS Survey of Graduate Students." Celeste M. Rohlfig, Geraldine L. Richmond, Maya Noviski, Priscilla Lewis, and Jean Stockard, *Journal of Chemical Education*. 2022, 99 (1), pp. 10-13; on web October 29, 2021, DOI: 10.1021/acs.jchemed.1c00611
- "Building a More Effective, Equitable, and Compassionate Educational System: The Role of Direct Instruction." Jean Stockard, *Perspectives on Behavior Science*, 44(2, September), 147-167, 2021. <https://doi.org/10.1007/s40614-021-00287-x>.
<http://link.springer.com/article/10.1007/s40614-021-00287-x>
https://pmc.ncbi.nlm.nih.gov/articles/PMC8476668/pdf/40614_2021_Article_287.pdf
- "Equity for Women and Underrepresented Minorities in STEM: Graduate Experiences and Career Plans." Jean Stockard, Celeste M. Rohlfig, and Geraldine R. Richmond, *Proceedings of the National Academy of Science*, 2021, 118(4), <https://doi.org/10.1073/pnas.2020508118>
- "The Impact of Administrative Decisions on Implementation Fidelity of Direct Instruction and Student Achievement," Jean Stockard, *Learning Disabilities Quarterly*, 2020, 43(1), available in online first, March, 2019, DOI: 10.1177/0731948719830346
- "They Took It But Didn't Eat It: Elementary School Students Rejection of Cafeteria Food," Geraldine Moreno-Black, Pissamai Homchampa, and Jean Stockard, *Appetite*, 2019, 141(1), October, 2019, <https://doi.org/10.1016/j.appet.2019.06.002>.
- "Meeting Mentoring Needs in Physical Oceanography: An Evaluation of the Impact of MPOWIR, Colleen Mouw, Sarah Clem, Sonya Legg, and Jean Stockard. *Oceanography*, 2018, 31(4), 171-179. <https://doi.org/10.5670/oceanog.2018.405>. DOI: <https://doi.org/10.5670/oceanog.2018.405>.
- "Discretionary Time over Time: A Longitudinal View of Adults' Lives and Leisure," Gaylene Carpenter and Jean Stockard, *Journal of Time Use Research*, 2018, Article 3: 1-23. DOI: <https://doi.org/10.32797/jtur-2018-3>.
- "Is the Gender Climate in Chemistry Still Chilly? Changes in the Last Decade and the Long-Term Impact of COACH Sponsored Workshops," Jean Stockard, Jessica Greene, Geraldine Richmond, and Priscilla Lewis, *Journal of Chemical Education*, 2018, volume 95 (9), 1492-1499.

- "The Effectiveness of Direct Instruction Curricula: A Meta-Analysis of a Half Century of Research," Jean Stockard, Timothy W. Wood, Cristy Coughlin, and Caitlin Rasplia Khoury, *Review of Educational Research*, (August, 2018, volume 88, no. 4), 479-507; DOI: 10.3102/0034654317751919, in on-line first, January 7, 2018.
- "Salad Bar Selection Patterns of Elementary School Children," Geraldine Moreno-Black and Jean Stockard, *Appetite*, 2018, 120, 136-144, DOI information: 10.1016/j.appet.2017.08.034.
- "The Threshold and Inclusive Approaches to Determining 'Best Available Evidence'" An Empirical Analysis," Jean Stockard and Timothy W. Wood, *American Journal of Evaluation*, 38 (December, 2017), 471-492; in on-line first, August, 2016.
- "Two Worlds of Obesity: Ethnic Differences in Child Overweight/Obesity Prevalence and Trajectories," Jean Stockard and Geraldine Moreno-Black, *Journal of Racial and Ethnic Health Disparities*, 2016, (2), 331-339. (<http://link.springer.com/article/10.1007/s40615-015-0150-7>)
- "Best Evidence and the What Works Clearinghouse," Jean Stockard, *Social Science Space*, September 14, 2016. (<https://www.socialsciencespace.com/2016/09/best-evidence-and-the-what-works-clearinghouse/>)
- "Blinded to Evidence: How Educational Researchers Respond to Empirical Data," Siegfried Engelmann and Jean Stockard, Pp. 55-78 in Jean Stockard (Ed.) *The Science and Success of Engelmann's Direct Instruction*, Eugene, OR: NIFDI Press, 2014.
- "Continuity and Change in Values in Midlife: Testing the Age Stability Hypothesis," Jean Stockard, Gaylene Carpenter, and Lynn Kahle, *Experimental Aging Research: An International Journal Devoted to the Scientific Study of the Aging Process*, 2014, 40(2), 224-244.
- "Targeting childhood obesity in schools: An examination of the stability and utility of the Value Added Index," Geraldine Moreno and Jean Stockard, *Pediatric Obesity*, 2014, 9(3), 197-208, available on line, April, 2013.
- "Do Smart-Growth Environments Benefit Single Mothers? Evidence from 300 MSAs using the American Housing Survey Data," Yizhao Yang and Jean Stockard, *Journal of Planning Education and Research*, 33(December, 2013), 411-426.
- "Trips to Strips: Walking and Site Design in Suburban Multifamily Housing," Nico Larco, Bethany Steiner, Amanda West, and Jean Stockard, *Journal of Urban Design*, 18 (2013, 2), 281-303.
- "Strategies to Support Women in the Academic Physical Sciences: Reflections on Experiences and Efforts," Jean Stockard and Priscilla Lewis, *NASPA Journal About Women in Higher Education*, 6(2, 2013), 212-230.
- "Evaluating the Effectiveness of a Sustainable Living Education Program," Sarah Mazze and Jean Stockard, *Journal of Extension*, 51 (1, 2013) (http://www.joe.org/joe/2013february/pdf/JOE_v51_1rb1.pdf).
- "Merging the Accountability and Scientific Research Requirements of the No Child Left Behind Act: Using Cohort Control Groups" Jean Stockard, *Quality and Quantity: International Journal of Methodology*, 47(2013), pp. 2225-2257, available on-line, December, 2011.

- "Enhancing Achievement in Rural Schools: A Reply to Epply," Jean Stockard, *Journal of Research in Rural Education*, 26 (14, 2011) (<http://jrre.psu.edu/articles/26-14.pdf>).
- "Expressiveness Revaluated," Miriam M. Johnson, Miriam Johnson, Jean Stockard, Joan Acker, and Claudeen Nafziger, in Victor Lidz (Ed.), *Talcott Parsons* (Part of the International Essays in Classical Sociology), 2011, Surrey, U.K.: Ashgate; reprinted from *School Review*, *School Review*, 83 (August, 1975) pp. 617-644.
- "Promoting Mentoring among and for Women in Chemistry: The Experiences of COACH," Jean Stockard, Jessica Greene, Priscilla Lewis, and Geraldine Richmond, Pp. 153-63 in Kerry K. Karukstis, Bridget L. Gourley, Miriam Rossi, and Laura L. Wright (eds.) *Mentoring Strategies to Facilitate the Advancement of Women Faculty*, Washington, D.C.: American Chemical Society, 2011.
- "Addressing Gender Equity in the Physical Sciences: Replications of a Workshop Designed to Change the Views of Department Chairs," Jessica K. Greene, Priscilla A. Lewis, Geraldine L. Richmond, Jean Stockard, *Journal of Women and Minorities in Science and Engineering*, 17 (2, 2011), 97-109.
- "Increasing Reading Skills in Rural Areas: An Analysis of Three School Districts," Jean Stockard, *Journal of Research in Rural Education*, 26 (8, 2011), pp. 1-19.
- "Direct Instruction and First Grade Reading Achievement: The Role of Technical Support and Time of Implementation," Jean Stockard, *Journal of Direct Instruction*, 11 (1, 2011), 31-50.
- "Pedestrian-Friendly Environments and Active Travel for Residents of Multifamily Housing: The Role of Preferences and Perceptions," Nico Larco, Bethany Steiner, Jean Stockard, Amanda West, *Environment and Behavior*, 44 (3, 2012), 303-333, published on-line March, 2011.
- "Changing the Chairs: Impact of Workshop Activities in Assisting Chemistry Department Chairs in Achieving Racial and Ethnic Diversity," Jessica K. Greene, Priscilla A. Lewis, Geraldine L. Richmond, Jean Stockard, *Journal of Chemical Education*, 88 (6, 2011), pp 721-725
- "The Role of Life Experiences on Perceptions of Leisure during Adulthood: A Longitudinal Analysis," Megan C. Janke, Gaylene Carpenter, Laura L. Payne, and Jean Stockard, *Leisure Sciences: An Interdisciplinary Journal*, 33(1, 2011) 52-69.
- "An Analysis of the Fidelity Implementation Policies of the What Works Clearinghouse," Jean Stockard, *Current Issues in Education*, 13, No. 4 (2010).
- "Leisure and Health in Middle Age," Gaylene Carpenter and Jean Stockard, Chapter 22 (pp. 239-247) in *Leisure, Health and Wellness: Making the Connections*, edited by Laura Payne, Barbara Ainsworth, and Geoffrey Godbey, 2010.
- "Direct Instruction in Africa," Tamara Bressi, Rob Bressi, Kurt Engelmann, Amy Johnston, Jerry Silbert, Jean Stockard, *DI News*, Summer, 2010.
- "Promoting Reading Achievement and Countering the 'Fourth-Grade Slump': The Impact of Direct Instruction on Reading Achievement in Fifth Grade," Jean Stockard, *Journal of Education for Students Placed at Risk*, 15 (August, 2010): 218-240.

- "Is the Academic Climate Chilly? The Views of Women Academic Chemists," Jessica Greene, Priscilla Lewis, Geraldine L. Richmond, and Jean Stockard, *Journal of Chemical Education*, 87 (April, 2010): 381-385.
- "COACH Career Development Workshops for Science and Engineering Faculty: Views of the Career Impact on Chemists and Chemical Engineers," Jessica Greene, Priscilla Lewis, Geraldine L. Richmond, and Jean Stockard, *Journal of Chemical Education* 87 (April, 2010): 386-391.
- "Fulfilling the Hope of ICWA: The Role of Community Context," Susan Quash-Mah, Jean Stockard, Deborah Johnson-Shelton, and Ryann Crowley, *Children and Youth Services Review*, 32 (June, 2010): 896-901.
- "The Development of Early Academic Success: The Impact of Direct Instruction's *Reading Mastery*, Jean Stockard and Kurt Engelmann, *Journal of Behavioral Assessment and Intervention for Children*, 1 (1, 2010): 2-24.
- "Promoting Early Literacy of Preschool Children: A Study of the Effectiveness of *Funnix Beginning Reading*, Jean Stockard, *Journal of Direct Instruction*, 10 (Winter, 2010):29-48.
- "Improving Elementary Level Mathematics Achievement in a Large Urban District: The Effects of Direct Instruction," Jean Stockard, *Journal of Direct Instruction*, 10 (Winter, 2010): 1-16.
- "Response to Ermisch, Martin, and Wu," Jo Anna Gray, Jean Stockard, and Joe Stone, *Demography*, 46 (February, 2009): 211-219.
- "Race Differences in Cohort Effects on Nonmarital Fertility in the United States: Reply to Martin," Jean Stockard, Jo Anna Gray, Robert M. O'Brien, and Joe Stone, *Social Forces*, 87 (March, 2009): 1489-1497.
- "Race Differences in Cohort Effects on Nonmarital Fertility in the United States," Jean Stockard, Jo Anna Gray, Robert M. O'Brien, and Joe Stone, *Social Forces*, 87 (March, 2009): 1449-1479.
- "Teen Suicide," Jean Stockard, in *Encyclopedia of the Life Course and Human Development*, Deborah Carr, Robert Crosnoe, Mary Elizabeth Hughes, and Amy M. Pienta (eds.) Gale Publishing, 2008.
- "Can Cohort Replacement Explain Changes in the Relationship between Age and Homicide Offending?" Robert M. O'Brien and Jean Stockard, *Journal of Quantitative Criminology*, 25 (2009): 79-101, published online September 18, 2008.
- "Promoting Gender Equity in Academic Departments: A Study of Department Heads in Top-Ranked Chemistry Departments," Jean Stockard, Jessica Greene, Priscilla Lewis, and Geraldine Richmond, *Journal of Women and Minorities in Science and Engineering*, 14 (2008):1-27.
- "A Mixed Model Estimation of Age, Period, and Cohort Effects" Robert M. O'Brien, Kenneth Hudson, and Jean Stockard, *Sociological Methods and Research* 36 (2008): 402-428.
- "Social Science Lessons for Managing Sustainability: Thoughts for La Reunion," Jean Stockard, in François Duban (ed.) *Alizés: Revue Angliciste de La Réunion: Colloque Équilibres environnementaux, énergies renouvelables et développements urbains... Environmental balance, Renewable Energies Urban Growth and Developments Conference* 29

- (December, 2007): 73-85 (Also available on-line at http://laboratoires.univ-reunion.fr/oracle/documents/alize9s_29.html.)
- "Sex Role Socialization," Jean Stockard, pp. 79-81 in Barbara J. Banks (ed.), *Gender and Education: An Encyclopedia*, Praeger. Greenwood Press, 2007.
- "The Impact of Socioeconomic Status and Race-Ethnicity on Dental Health," Kenneth Hudson, Zach Ramberg, and Jean Stockard, *Sociological Perspectives* 50 (Spring, 2007): 7-26.
- "The Use of Mixed Models in a Modified Iowa Gambling Task and a Prisoner's Dilemma Game," Jean Stockard, Robert M. O'Brien, and Ellen Peters, *Journal of Judgment and Decision Making*, 2 (February, 2007): 9-22.
- "The Rising Share of Nonmarital Births: Fertility Choice or Marriage Behavior?" Jo Anna Gray, Jean Stockard, and Joe Stone, *Demography* 43 (May, 2006): 241-253.
- "A Common Explanation for the Changing Age Distributions of Suicide and Homicide in the United States: 1930-2000," Robert M. O'Brien and Jean Stockard, *Social Forces* 84 (March, 2006): 1539-1557.
- "Cohort Variations in Suicide Rates Among Families of Nations: An Analysis of Cohorts Born from 1875 through 1985," Jean Stockard and Robert M. O'Brien *International Journal of Comparative Sociology* 47 (February, 2006): 5-33.
- "A Tale of Two Shares: The Relationship Between the "Illegitimacy" Ratio and the Marriage Share," Jo Anna Gray, Jean Stockard, and Joe Stone, *Economics Letters* 90 (2006): 242-248.
- "Active Community Environments and Health: The Relationship of Walkable and Safe Communities to Individuals' Health." Scott Doyle, Alexia Kelly-Schwartz, Marc Schlossberg, and Jean Stockard, *Journal of the American Planning Association*, 17 (2006): 19-31.
- "Gender Socialization," Jean Stockard in Janet S. Chafetz (ed.) *Handbook of Gender Sociology*. New York: Springer, 2006, pp. 215-227.
- "Hospital Performance Reports: Impact on Quality, Market Share and Reputation," Judith H. Hibbard, Jean Stockard, and Martin Tusler, *Health Affairs*, 24 (2005): 1150-1160.
- "Development and Testing of a Short Form of the Patient Activation Measure (PAM)," Judith H. Hibbard, Jean Stockard, Eldon R. Mahoney, and Martin Tusler, *Health Services Research* 40 (December, 2005): 1918-1930.
- "It Isn't Just About Choice: The Potential of a Public Performance Report to Affect the Public Image of Hospitals," Judith Hibbard, Jean Stockard, and Martin Tusler, *Medical Care Research and Review* 62 (June, 2005) 358-371.
- "Is Sprawl Unhealthy? A Multi-Level Analysis of the Relationship of Metropolitan Sprawl to the Health of Individuals," Alexia Kelly-Schwartz, Jean Stockard, Scott Doyle, Marc Schlossberg, *Journal of Planning Education and Research* 24 (Winter, 2004): 184-196.
- "Influences on the Satisfaction and Retention of First-Year Teachers: The Importance of Effective School Management," Jean Stockard and Michael Bryan Lehman, *Educational Administration Quarterly* 40 (December, 2004): 742-771.
- "Development of the Patient Activation Measure (PAM): Conceptualizing and Measuring

- Activation in Patients and Consumers," Judith H. Hibbard, Jean Stockard, Eldon R. Mahoney, and Martin Tusler, *Health Services Research*, 39 (August 2004): 1005-1026.
- "Social Science, Social Policy, and Lethal Violence: Looking for Upstream Solutions: 2003 Presidential Address to the Pacific Sociological Association," Jean Stockard, *Sociological Perspectives* 46 (September, 2003): 291-308.
- "The Cohort-Size, Sample-Size Conundrum: An Empirical Analysis and Assessment Using Homicide Arrest Data from 1960 to 1999," Robert M. O'Brien and Jean Stockard, *Journal of Quantitative Criminology*, 19 (March, 2003): 1-32.
- "Does Publicizing Hospital Performance Stimulate Quality Improvement Efforts?" Judith Hibbard, Jean Stockard, and Martin Tusler, *Health Affairs* 22 (March/April, 2003):84-94.
- "Cohort Effects on Suicide Rates: International Variations." Jean Stockard and Robert M. O'Brien. *American Sociological Review*, 67 (December, 2002): 854-872.
- "Cohort Variations and Changes in Age-Specific Suicide Rates Over-Time: Explaining Variations in Youth Suicide." Jean Stockard and Robert M. O'Brien, *Social Forces*, 81 (2002): 605-642.
- "Variations in Age-Specific Homicide Death Rates: A Cohort Explanation for Changes in the Age Distribution of Homicide Deaths." Robert M. O'Brien and Jean Stockard, *Social Science Research*. 31(2002): 124-150.
- "Moving from Sect to Church: Variations in Views Regarding Sanctification among Wesleyan/Holiness Clergy." Jean Stockard, Susie C. Stanley, and Benton Johnson. *Review of Religious Research*, 43 (2001), pp. 70-92.
- "The Enduring Effects of Cohort Size and Percentage of Nonmarital Births on Age-Specific Homicide Rates, 1960-1995." Robert M. O'Brien, Jean Stockard, and Lynne Isaacson. *American Journal of Sociology*, 104 (1999), pp. 1061-1095.
- "Gender Socialization," Jean Stockard in Janet S. Chafetz (ed.) *Handbook of Gender Sociology*. New York: Plenum, 1999, pp. 215-228.
- "Physical Attractiveness, Opportunity, and Success in Everyday Exchange." Matthew Mulford, John Orbell, Catherine Shatto, and Jean Stockard, *American Journal of Sociology*, 103 (1998), pp. 1565-1592.
- "The Social Origins of Male Dominance," Jean Stockard and Miriam M. Johnson, in Barbara Jo Krieger, Paul Saint-Armand, and Robert Emery (Eds.) *Competing Voices, Emerging Selves*. St. Martin's Press, 1994, reprinted from ch. 9, *Sex and Gender in Society*.
- "Biological Influences on Gender," Jean Stockard and Miriam M. Johnson, in Mari Womack and Judith Marti (Eds.) *The Other Fifty Percent: Multicultural Perspectives on Gender Relations*. Waveland Press, 1993, reprinted from ch. 6, *Sex and Gender in Society*.
- "Methodological Issues in the Multi-level Analysis of School Environments." Jean Stockard, pp. 217-240 in Rodney T. Ogawa and Samuel B. Bacharach (eds.) *Advances in Research and Theories of School Management*. Greenwich, Conn: JAI Press, 1993.
- "Sex Role Identity and Self-Esteem: A Comparison of Children and Adolescents." Betty Allgood-Merten and Jean Stockard, *Sex Roles*, 25 (1991), pp. 129-140.

- "From a Child's View: Children's Occupational Knowledge and Perceptions of Occupational Characteristics," Jeanne McGee and Jean Stockard, pp. 113-136 in Spencer Cahill (ed.) *Sociological Studies of Child Development*, Volume 4, JAI Press, 1991.
- "Children's Occupational Preferences: The Influence of Sex and Perceptions of Occupational Characteristics," Jean Stockard and Jeanne McGee, *Journal of Vocational Behavior*, 36 (1990), pp. 287-303.
- "A Review of the Literature on School Environments and Student Achievement: Toward a Framework for Understanding Environmental Influences," Jean Stockard and Maralee Mayberry in Samuel B. Bacharach (ed.) *Advances in Research and Theories of School Management*, Greenwich, Conn: JAI Press, 1990, pp. 123-150.
- "Conflict Resolution and Sex and Gender Roles," Jean Stockard and Denise Lach, pp. 69-99 in Joseph B. Gittler (ed.) *The Annual Review of Conflict Knowledge and Conflict Resolution, Volume One*, New York: Garland Publishing, 1989.
- "Courtship Violence and Mixed Sex Peer Groups," Patricia Gwartney-Gibbs and Jean Stockard, in Maureen Pirog-Good and Jan Stets (eds.), *Violence in Dating Relationships: Emerging Social Issues*, Praeger, 1989, pp. 185-204.
- "College Age Women and Their Careers: A Ten Year Study of Developmental Trends," Jean Stockard, pp. 199-202 in *Building on the Past: Looking to the Future, Conference Proceedings*, Eugene, Oregon: University of Oregon Career Information System, 1989.
- "Gender Roles and Behavior in Social Dilemmas: Are There Sex Differences in Cooperation and Its Justification?" Jean Stockard, Alphons J. C. van de Kragt, and Patricia J. Dodge, *Social Psychology Quarterly* 51 (Spring, 1988), pp. 154-163.
- "Measuring Gender Differences: The Expressive Dimension and the Critique of Androgyny Scales," Sandra Gill, Jean Stockard, Miriam Johnson, and Suzanne Williams, *Sex Roles*, 17 (October, 1987), pp. 375-400.
- "Learning Courtship Aggression: The Influence of Parents, Peers, and Personal Experiences," Patricia Gwartney-Gibbs, Jean Stockard, and Susanne Bohmer, *Family Relations*, 36 (July, 1987), pp. 276-282.
- "Sex Inequality in Cultural Symbolism and Interpersonal Relations," Jean Stockard and Miriam M. Johnson, in Joel M. Charon (ed.) *The Meaning of Sociology: A Reader*, 12th edition, Prentice-Hall, 1987 (reprinted from *Sex Roles*).
- "Minorities and Women in Sociology in the Pacific Region: A Comment on the Five Year Follow-up Study," Jean Stockard, *Sociological Perspectives*, 29 (April, 1986), pp. 171-176.
- "Education, Gender Equality, and the Role of School Administrators," Jean Stockard, *Leadership in Education*, 1 (January, 1985), pp. 41-50.
- "Education and Gender Equality: A Critical View," Jean Stockard, *Research in Sociology of Education and Socialization*, Alan Kerckhoff, editor, Greenwich, Conn.: JAI Press, 1985, pp. 293-321. Reprinted in Kevin J. Dougherty and Floyd M. Hammack. 1990. *Education and Society: A Reader*. San Diego: Harcourt Brace Jovanovich; and a short version, entitled "Toward Equality of the Sexes: Should Schools Take a New Approach?" in

- Outlook*, Division of Educational Policy and Management, University of Oregon, Fall 1984, pp. 1-2
- "Academic Merit, Status Variables, and Students' Grades," Jean Stockard, Dwight Lang, and J. Walter Wood, *Journal of Research and Development in Education*, 18 (Winter, 1985), pp. 12-20.
- "Career Patterns of High-Level Women School Administrators," Jean Stockard, *Journal of the National Association for Women Deans, Administrators, and Counselors* 48 (Fall, 1984), pp. 36-44. Reprinted in Patricia A. Farrant (editor) *Strategies and Attitudes: Women in Educational Administration* (pp. 137-144), Washington, D.C.: National Association for Women Deans, Administrators, and Counselors, 1986.
- "The Myth of Female Underachievement: A Reexamination of Sex Differences in Academic Underachievement," Jean Stockard and J. Walter Wood, *American Educational Research Journal*, 21 (Winter, 1984), pp. 825-838.
- "Variations in Subjective Culture: A Comparison of Females and Males in Three Settings," Jean Stockard and Maureen Dougherty, *Sex Roles*, 9 (September, 1983), pp. 953-974.
- "Women's Representation in School Administration: Recent Trends," Jean Stockard and Ken Kempner, *Educational Administration Quarterly*, 17 (Spring, 1981), pp. 81-91.
- "Sources and Dynamics of Sex Inequality in the Education Profession," Jean Stockard and Miriam Johnson, in Patricia Schmuck, W.W. Charters, Jr., and Richard O. Carlson, (eds.), *The Sex Dimension in Educational Policy and Management*, New York: Academic Press, 1981, pp. 235-254.
- "Sexual Preference, Feminism and Women's Perceptions of Their Parents," Miriam Johnson, Jean Stockard, Mary Rothbart, and Lisa Friedman, *Sex Roles*, 7 (January, 1981) pp. 1-18.
- "Developing Attitudes Toward the Role of Women: A Comparison of Females and Males," Jean Stockard, *Youth and Society*, 12 (September, 1980) pp. 61-82.
- "Public Prejudice Against School Administrators: The Possibility of Change," Jean Stockard, *Educational Administration Quarterly*, 15 (Fall, 1979) pp. 83-96.
- "The Social Origins of Male Dominance," Jean Stockard and Miriam Johnson, *Sex Roles*, 5 (April, 1979) pp. 199-218.
- "Expressiveness Re-evaluated," Miriam Johnson, Jean Stockard, Joan Acker, and Claudeen Nafziger, *School Review*, 83 (August, 1975) pp. 617-644.
- "Mystery of the Missing Sheep," (a children's story), Jean Stockard Wood, in *In Our Hogan*, Billings, Montana: Montana Reading Publications, 1973.

Book Reviews

- Teaching Needy Kids in our Backward System: 42 Years of Trying*, by Siegfried "Zig" Engelmann, *Education Review: A Journal of Book Reviews*, December 24, 2008, <http://edrev.asu.edu/reviews/rev752.htm>.
- When the Bough Breaks: The Cost of Neglecting Our Children*, by Sylvia Ann Hewlett, *International Journal of Comparative Family and Marriage*, February, 1995, pp. 123-124.

Gender Equity: An Integrated Theory of Stability and Change, by Janet Saltzman Chafetz, *American Journal of Sociology*, 96 (November 1990), pp. 749-750.

The World We Created at Hamilton High, by Gerald Grant, *Sociological Inquiry*, 60 (Fall, 1990), pp. 453-454.

The Changing Lives of American Women, edited by Steven D. McLaughlin, Barbara D. Melber, John O. G. Billy, Denise M. Zimmerie, Linda D. Wings, and Terry R. Johnson, *Contemporary Sociology*, 19 (March, 1990), pp. 301-2.

The New Era of Home-based Work, edited by Kathleen E. Christensen, *Contemporary Sociology*, 19 (January, 1990), p. 56-57.

All Things Bright and Beautiful? A Sociological Study of Infants Classrooms, by Ronald King, *Contemporary Sociology*, 10 (January, 1981), p. 116.

The Future of Motherhood, by Jessie Bernard, *Signs*, 2 (Autumn, 1976), pp. 238-240.

Selected Technical Reports, White Papers, and Other Material

Needed Improvements in Standards and Transparency for Staff Promotion. 2021. Geri Richmond, Celeste Rohlfing, Jean Stockard, Jane Tucker, Barbara Butterfield, Maya Noviski, and Priscilla Lewis. National Institute of Standards and Technology. NIST GCR 21-029, (Chapters 2-7) <https://doi.org/10.6028/NIST.GCR.21-029>

Empowering Educational Consumers to Analyze Educational Assessment Data: The Educational Impact Calculator. 2016. J. Stockard, NIFDI Technical Report 2016-2. Eugene, OR: NIFDI.

Educational Impact Calculator, designed 2016 by J. Stockard, can be accessed at <https://www.nifdi.org/research/educational-impact-calculator> and <http://pages.uoregon.edu/jeans/eicindex.html>

Effective Direction Instruction Implementations: The Impact of administrative decisions and time. 2016, J. Stockard, NIFDI Technical Report 2016-1. Eugene, OR: NIFDI.

Long-Term Impact of COACH – Results from a Survey Administered in 2015-16. J. Stockard, September 2016. University of Oregon, Eugene: COACH.

Promoting Sustainable Networks of Women Scientists in the US and Latin America for Addressing Issues of Environmental Hazards: A Report on Three COACH Sponsored Workshops. Jean Stockard, May 13, 2016. University of Oregon, Eugene: COACH.

Changing Social Networks: A Study of the Networks of Women at the DOE National Laboratory Women in Science Summit. 2016, J. Stockard, February 2016. University of Oregon, Eugene: COACH.

Gender Equity in a Department of Energy National Laboratory: Report of a COACH-Sponsored Survey, Interviews, and Workshop Experience", J. Stockard and G.L. Richmond, September 2015. University of Oregon, Eugene: COACH.

Promoting the Career Success of Women Scientists in India: A Report on Two COACH-Sponsored Workshops, J. Stockard, August, 2015. University of Oregon: COACH.

The Long-Term Impacts of Direct Instruction and the Maple Model: College Preparation and Readiness. 2015, J. Stockard with L. Carnine, C. Rasplika, S. Paine, and E. Chaparro, NIFDI Technical Report 2015-2. Eugene, OR: NIFDI.

Changing Mathematics and Reading Achievement with Direct Instruction: Kment Elementary School in Roseville, Michigan. 2015, J. Stockard, NIFDI Technical Report 2015-1. Eugene, OR: NIFDI.

Analysis of Pre- and Post-Workshop Questionnaires from 2014 Transformational Resiliency Workshops, January 2015, J. Eugene, Oregon: The Resource Innovation Group.

The Experiences and Perceptions of Women Post-Doctoral Fellows in Chemistry: Data from COACH Surveys and Interviews, J. Stockard, February 2015. University of Oregon: COACH.

Overview of COACH Career Survey Results at Oak Ridge National Laboratory, J. Stockard, July 2015.

Status of Women in the DOE National Laboratories: A Brief Summary of Current Knowledge from COACH Research, G.L. Richmond and J. Stockard, presented at the DOE Laboratory Women in Science Summit, October 2015.

A Brief Summary of Research on Direct Instruction, NIFDI White Paper, January 2015. Eugene, Oregon: NIFDI.

Direct Instruction, Comprehensive School Reform, and Student Achievement, NIFDI White Paper, July 2015. Eugene, Oregon: NIFDI.

Harmful Effects of Academic Early Education? A Look at the Claims and the Evidence, NIFDI White Paper, June 2015. Eugene, Oregon: NIFDI.

The Potential Long-Term Economic and Health Impacts of Direct Instruction, NIFDI White Paper, May, 2015. Eugene, Oregon: NIFDI.

Distribution of Top Leadership Positions at the DOE Office of Science National Laboratories, G.L. Richmond and J. Stockard, September 2014. University of Oregon, Eugene: COACH.

Reading Mastery for Beginning Readers: An Analysis of Errors in a What Works Clearinghouse Report, 2014, J. Stockard, NIFDI Technical Report 2014-4. Eugene, Oregon: NIFDI.

What is a Valid Scientific Study? An Analysis of Selection Criteria Used by the What Works Clearinghouse, 2014 J. Stockard, NIFDI Technical Report 2014-3. Eugene, Oregon: NIFDI.

An Analysis of Achievement Scores of Arthur Academy Schools, 2007 to 2013. 2014, C. Arthur and J. Stockard, NIFDI Technical Report 2014-2. Eugene, Oregon: NIFDI.

The Relationship between Lesson Progress in Direct Instruction Programs and Student Test Performance, 2014, J. Stockard, NIFDI Technical Report 2014-1. Eugene, Oregon: NIFDI.

Selected studies of the efficacy of Direct Instruction mathematics programs. T.W. Wood and J. Stockard, NIFDI White Paper, 2014. Eugene, OR: National Institute for Direct Instruction.

The What Works Clearinghouse Review Process: An Analysis of Errors in Two Recent Reports. 2013, J. Stockard and T.W. Wood. NIFDI Technical Report 2013-4. Eugene, Oregon: NIFDI

Technical Support, Fidelity, and Retaining Direct Instruction in the Guam Public School System, 2013, J. Stockard, NIFDI Technical Report 2013-3. Eugene, Oregon: NIFDI.

Direct Instruction in the Guam Public Schools: An Analysis of Changes in Stanford Achievement Test Scores, 2013, J. Stockard, NIFDI Technical Report 2013-2. Eugene, Oregon: NIFDI.

Examining the What Works Clearinghouse and Its Reviews of Direct Instruction Programs, 2013, J. Stockard, NIFDI Technical Report 2013-1. Eugene, Oregon: NIFDI.

Family Care Needs of Scientists: A Brief Analysis of a COACH-Sponsored Survey, J. Stockard, 2013, University of Oregon, Eugene: COACH

Does the What Works Clearinghouse work? 2013. J. Stockard and T.W. Wood, 2013, NIFDI White Paper. Eugene, OR: NIFDI.

Assessment of the Status and Potential for Growing the Moral Movement on Climate Disruption: A Project of the National Climate Ethics Campaign, April 2013, B. Doppelt, K. Huber, S. Mazze, and J. Stockard. Eugene, Oregon: The Resource Innovation Group.

Summary of Literature Regarding the Effectiveness of Direct Instruction and Projections of Changes in Achievement, J. Stockard, NIFDI White Paper, October 2013, Eugene, Oregon: NIFDI.

Throwing the Baby out with the Bathwater? The What Works Clearinghouse Criteria for Group Equivalence, J. Stockard, NIFDI White Paper, December 2013, Eugene, Oregon: NIFDI.

Reading Mastery and Learning Disabled Students: A Comment on the What Works Clearinghouse. 2012, J. Stockard and T.W. Wood. *NIFDI Technical Report 2012-1*. Eugene, Oregon: NIFDI.

Summary of Concerns Regarding the What Works Clearinghouse: A NIFDI White Paper, September 2012, J. Stockard. Eugene, Oregon: NIFDI.

Changes in Reading Achievement at a Florida Elementary: A Randomized Control Study of Reading Mastery, 2011, J. Stockard, NIFDI Technical Report 2011-3. Eugene, Oregon: NIFDI.

Increasing Reading Skills in Rural Districts: A Study of Three Midwestern Districts, 2010, J. Stockard, NIFDI Technical Report 2010-3. Eugene, Oregon: NIFDI.

Fourth Graders' growth in Reading Fluency: A Randomized Control Study, 2010, J. Stockard, NIFDI Technical Report 2010-2. Eugene, Oregon: NIFDI.

Direct Instruction and Reading in Africa, 2010, J. Stockard, NIFDI Technical Report 2010-1. Eugene, Oregon: NIFDI.

A Birth-Cohort Test of the Wilson-Willis Model of Out-of-Wedlock Childbearing, 2010, Joe Stone, Jean Stockard, and Jo Anna Gray, University of Oregon.
<https://scholarsbank.uoregon.edu/xmlui/handle/1794/28306>

Promoting Early Literacy of Preschool Children: A Study of the Effectiveness of Funnix Beginning Reading, 2009, J. Stockard, NIFDI Technical Report 2009-1. Eugene, Oregon: NIFDI.

The Ups and Downs of Whole School Reform: A Case Study of Success and Its Demise, 2009, J. Stockard and D. Dwiggin, NIFDI White Paper. Eugene, Oregon: NIFDI. (Revision of paper presented at 2009 annual meetings of the Pacific Sociological Association.

Academic Kindergarten and Later Academic Success: The Impact of Direct Instruction, 2008. K. Engelman and J. Stockard. NIFDI Technical Report 2008-7. Eugene, Oregon: NIFDI.

Reading Achievement in a Direct Instruction School and a "Three Tier" Curriculum School, 2008, J. Stockard, NIFDI Technical Report 2008-5. Eugene, Oregon: NIFDI.

The What Works Clearinghouse Beginning Reading Reports and Rating of Reading Mastery: An Evaluation and Comment, 2008, J. Stockard, NIFDI Technical Report 2008-4. Eugene, Oregon: NIFDI.

Improving Elementary Level Mathematics Achievement in a Large Urban District: The Effects of NIFDI-Supported Implementation of Direct Instruction, 2008, J. Stockard, NIFDI Technical Report 2008-3. Eugene, Oregon: NIFDI.

The Long-Term Impact of Direct Instruction on Reading Achievement: Countering the Fourth Grade Slump, 2008, J. Stockard, NIFDI Technical Report 2008-2. Eugene, Oregon: NIFDI.

The Effects of NIFDI-Supported Implementation of Direct Instruction on First Grade Reading, 2008, J. Stockard, NIFDI Technical Report 2008-1. Eugene, Oregon: NIFDI.

Climate Master Research Results, May 2008. S. Mazze, B. Doppelt, J. Stockard and A. Shaddrick, May 2008. University of Oregon, Eugene: Climate Leadership Initiative, Institute for a Sustainable Environment.

Courses Taught

Social Science Honors Track Seminar	(Soc 199)
Introduction to Sociology	(Soc 201, 204)
Introduction to Social Science (Honor's College)	(HC 205, 206)
Social Inequality	(Soc 207)
Introduction to the Sociology of Women	(Soc 216)
Introduction to Social Research	(Soc 325)
Introduction to Quantitative Methods in Sociology	(Soc 326)
Research Seminar	(Soc 407)
Inequality and Education	(Soc 407G)
Sex Equity and Education (co-taught)	(Ed Adm 407G)
Measurement Seminar	(Soc 407G)
Sociological Research Methods	(Soc 411G, 412G, 413G)
Sociology of Women	(Soc 455G)
Sociology of Education	(Soc 491G)
Logic and Scope of Sociology (co-taught)	(Soc 507)
Quantitative Methods in Sociology, II and III	(Soc 507)
Categorical Data Analysis	(Soc 507)
Research Design	(Soc 607)
Women and the World of Work	(PPPM 407/507)
Children and Society	(PPPM, SOC 407/507)
Applied Research Methods	(PPPM 607)
Applied Methods in Planning, Policy, and Management	(PPPM 620)
Quantitative Methods in Planning and Public Policy	(PPPM 656)
Student Research Colloquium	(PPPM 690)
Planning and Social Networks	(PPPM 607)
International Social Planning	(PPPM 407/507)
Human Settlements	(PPPM 607)
Applied Social Research	(PPPM 413)
Senior Thesis Research	(PPPM 401, 491, 493)

Social Policy and Planning	(PPPM 455/555)
Global Leadership and Change	(PPPM 327)
Sociology of Health Care Administration	(HCA 480)
Social Geography of Cities	(GEOG 410/510)
Health Policy	(PPPM 407/507)

Research Grants, Fellowships, and Awards

- 2020-2023 Co-Principal Investigator, ""Research Project on The Recruitment, Retention and Promotion of Women in Stem Fields," funded by the U.S. Department of Energy, \$3,128,46
- 2011-2016 Co-Principal Investigator, "RCN-SEES: Finding Common Ground: Developing Sustainable Networks of Women Scientists for Addressing Issues of Environmental Hazards," funded by the National Science Foundation, \$438,151 (award number 1140205)
- 2004-2005 Co-Principal Investigator, "Creating Community Consensus in Creswell, Oregon: A Process in Deliberative Democracy," funded by the Oregon Community Foundation, \$1,000.
- 2004 Outstanding Teacher of the Year, PPPM
- 2004-2007 Co-Principal Investigator, "Assessing the impact of consumer-driven health plans on the development of activated consumerism," funded by the Robert Wood Johnson Foundation, \$601,547
- 2004-2005 Co-Principal Investigator, "Further development and refinement of a Patient Activation Measure to define consumers' active participation in their health care," funded by the Robert Wood Johnson Foundation, \$49,989
- 2002-2004 Co-Principal Investigator, "Measuring Chronically Ill Consumers' Active Participation in Their Health Care," funded by the Robert Wood Johnson Foundation, \$257,245.
- 2001-2004 Co-Principal Investigator, "Assessing the Impact of a Public Report on Hospital Quality: A Controlled Experiment in the State of Wisconsin," funded by the Robert Wood Johnson Foundation, \$530,126.
- 2001-2002 Research Associate, "Conceptualizing and Measuring Activated Consumerism: A Prerequisite to Action," funded by the Changes in Health Care Financing and Organization Initiative of the Robert Wood Johnson Foundation, Judith Hibbard, Principal Investigator
- 1990 Faculty Research Grant, Center for the Study of Women in Society, University of Oregon, Principal Investigator for Study of Pioneer School Teachers in Oregon, \$5,700
- 1988 Elected to Honorary Membership in Golden Key National Honor Society, University of Oregon Chapter
- 1986-1987 Faculty Research Grant, Center for the Study of Women in Society, University of Oregon, Principal Investigator for Study of The Development of Women's Career Aspirations and Achievement, \$6,566

1984-1985 Research Associate, Center for Educational Policy and Management, University of Oregon, Principal Investigator for Study of Measures for Assessing School Climate, \$11,587

1983-1984 Research Associate, Center for Educational Policy and Management, University of Oregon, Principal Investigator for Study of The Relative Influences of Urbanization, School Size, and School Climate on Student Achievement, \$19,547

1980 Research Associate, Center for Educational Policy and Management, University of Oregon; Principal Investigator for Study of Sex Differences in Career Patterns in Education, \$4,800

1980 University of Oregon nominee for AAUW Young Scholars Award

1977-1979 Research Associate, Center for Educational Policy and Management, University of Oregon; Sex Equity in Educational Leadership Project, funded by USOE

1976-1977 Co-Principal Investigator, Sex Equity in Educational Leadership Project funded by the Women's Educational Equity Act, United States Office of Education, \$323,356

1974-1975 Faculty Research Award, Office of Scientific and Scholarly Research, Graduate School, University of Oregon, \$2,000

1973-1974 Ford Foundation Dissertation Fellowship in Women's Studies, \$10,000

1972-1973 National Science Foundation Graduate Fellowship

1971-1972 National Institute of Mental Health Research Training Fellowship, University of Oregon

1969 Phi Beta Kappa

1967-1968 National Science Foundation Undergraduate Research Training Program Participant, Department of Sociology, University of Oregon

1966 Passed with Distinction (top 5%), Honors College Comprehensive Examination in Literature, University of Oregon

Editorial and Research Proposal Reviews

American Chemical Society

American Journal of Sociology

American Sociological Review

Asia Pacific Education Review

Child Development

Current Issues in Education

Eating Behaviors

Educational Policy

Environment and Behavior

European Journal of Psychology of Education

Gender and Society

Heliyon

Journal of Affective Disorders

Journal of Applied Social Psychology

Journal for the Scientific Study of Religion
Journal of Health and Social Behavior
Journal of Marriage and the Family
Journal of Medical Internet Research
Journal of Planning Education and Research
Journal of Quantitative Criminology
Journal of the Royal Statistical Society
Journal of Social Behavior and Personality
Journal of Urbanism: International Research on Placemaking and Urban Sustainability
Journal of Women and Minorities in Science and Engineering
Obesity Research and Clinical Practice
Perspectives on Behavior Science
Population Research and Policy Review
Preventive Medicine Reports
Proceedings of the National Academy of Science
Review of Educational Research
Rural Sociology
Sex Roles
Social Psychology Quarterly
Sociological Focus
Social Forces
Sociological Forum
Sociological Perspectives
Sociological Quarterly
Sociological Spectrum
Sociology of Education
Sociometry
Studies in Educational Evaluation
Teaching and Teacher Education
Theory and Psychology
Urban Studies
 National Science Foundation
 Rockefeller Foundation
 Garland Publishing
 Holt, Rinehart, and Winston
 Little Brown
 Longman, Inc.
 Prentice-Hall, Inc.
 Random House
 Sage Publications
 St. Martin's Press

Current Professional Memberships

American Association of University Professors
American Sociological Association
Pacific Sociological Association
Phi Beta Kappa

Service

To the Profession

Committee on the Status of Women, Pacific Sociological Association, member, 1982-1983, 1994-1996; chair, 1983-1985, 1994-96
Committee W, AAUP, University of Oregon, chair, 1983-1984
Vice President and President Elect, AAUP, University of Oregon, 1984-1985
President, AAUP, University of Oregon, 1985-86, 1989-1991
Program Committee, Pacific Sociological Association, 1986-1987
Committee on the Status of Racial Ethnic Minorities, Pacific Sociological Association, 1986-1989
Advisory Editor, *Gender and Society*, 1986-1988
Vice President and President Elect, Phi Beta Kappa, University of Oregon, 1990-1991
President, Phi Beta Kappa, University of Oregon, 1991-1992
Member-at large, Phi Beta Kappa, University of Oregon, 1992-1993
Membership Committee, Phi Beta Kappa, University of Oregon, 1996-1999, Chair, 1994-1995
President, AAUP State of Oregon Conference, 1991-1993
Chair, Committee A, AAUP State of Oregon Conference, 1993-2003
Chair, Job Market Committee, Sociologists for Women in Society, 1992-1993 (elected)
External Reviewer, Department of Sociology, University of Wyoming, 1994
Member of Council (elected), Section on Sex and Gender, American Sociological Association, 1994-1997
Nominations Committee, Section on Sex and Gender, American Sociological Association, 1997-1998
Program Chair, Pacific Sociological Association, 1998
Registrar, Sociology of Education Association, 1998-1999
Endowment Committee, Pacific Sociological Association, 2000-2003
President-Elect, Pacific Sociological Association, 2001-2002
President, Pacific Sociological Association, 2002-2003
Past President, Pacific Sociological Association, 2003-4
Chair, Nominations Committee, Pacific Sociological Association 2003-4
Advisory Board, Resource Innovations Group (Formerly the Center for Watershed and Community Health, 2003-
Member, Editorial Board, *Sociological Perspectives*, 2008-2020

Committee on Emeriti Faculty, Pacific Sociological Association, 2011-14, chair, 2013-14
Open Chemistry Collaborative in Diversity Equity (OXIDE) Advisory Board, 2010-16
Co-Editor, *Sociological Perspectives*, 2014-2015

To the University

Research Committee, 1975-1977
Undeclared Advising, 1975-1980, 1996-2001
Recruitment of Students, Admissions Office, 1975
Honors College Advisor for Sociology Students, 1976-1981, 1983-1988
Ad Hoc Committee on Interdisciplinary Masters Admission, Graduate School, 1976-1977
New Student Orientation Committee, 1978-1979
Ad Hoc Committee on Statistics, 1978-1979
Ad Hoc Retirement Committee, 1978-1979
Faculty Search Committee, Economics Department, 1979
Ad Hoc Catalog Review Committee, 1979-1980
Proposal Review Committee, Center for Educational Policy and Management, 1979
Dean's Search Committee, College of Arts and Sciences, 1980-1981
Minority Education Council, 1980-1981
Education Professions Committee, Center for Educational Policy and Management, 1980-1981
Center Advisory Committee, Center for Educational Policy and Management, 1981-1982
Planning Committee, Center for the Study of Women in Society, 1981-1983
University Senate (elected) 1983
Personnel Committee, College of Arts and Sciences (elected) 1983-1984, (chair) 1984-85
Research Committee, Center for the Study of Women in Society, Chair, 1983-1985, 1986-1988; member, 1989-1991
External Review Committee, Center for Educational Policy and Management, 1984
Faculty Search Committee, Center for Educational Policy and Management, 1985
Search Committee for Associate Vice President for Research, 1985
Honors College Committee, 1985-1987
Humanities Center Advisory Committee, 1985-1987
President's Faculty Advisory Council (elected), 1985-1987
Executive Committee, Center for the Study of Women in Society, 1986-1988
Salary Equity Committee, 1986
RFP Management Committee, Computer Center, 1987
Johnson Award Selection Committee, 1987
Faculty Interview Panel for search for University Business Manager, 1987
Grievance Counselor for individuals, 1987 and 2000-2001
Social Science Instructional Lab Committee Spring 1988 - , Chair, winter and spring 1990
Committee on Committees, 1989-91, chair 1990-1991
Dean's Search Committee, College of Health and Human Development, 1990

Planning Task Force on Faculty Recruitment and Retention, 1990- 1991
 Legislative Issues Advisory Group, 1990-91, 1992-1993
 Distinguished Service Award Committee, 1991-1992, 1996-1997
 Scholastic Review Committee, 1991-1993
 Library Committee, Center for the Study of Women in Society, 1991-1992
 Scholastic and Creative Development Award Selection Committee, 1992
 Senate Budget Committee, 1992-1993
 Dean's Advisory Committee, College of Arts and Sciences (elected), 1992-1994, chair, 1992-93, spring, 1994
 Advisory Board, International Institute for Health and Sports Sciences, 1992-1999
 Faculty Search Committee, Music Education, 1993, 1994
 Academic Review Committee, Chair, 1993-95
 Investigation Committee for Alleged Case of Academic Misconduct, Office of Research Compliance, 1993
 Assembly Committee to Review the Multicultural Curriculum, 1993-94
 Technology Applications and Facilities Productivity Group, 1993-94
 Academic Requirements Substitution Task Force, 1993-1995
 College of Arts and Sciences Curriculum Committee, 1996-1998
 Faculty Search Committee, School Psychology, 1996-1997
 Faculty Personnel Committee (elected), 1997-1999, chair 1998-1999
 Internal Review Committee, Department of Special Education, 1998-1999
 PASS Implications Team, 1999-2000
 Oregon Survey Research Laboratory Advisory Committee, 1999-2005
 Human Subjects Review Committee, 1999 – 2006 (vice-chair, 2001-2005)
 Honors College Advisory Committee, 1999 –
 Promotion, Tenure, Retention Appeal Committee (elected), 2000-2003
 Ad Hoc University Senate Committee on Parental Leave, 2000
 Social Science Pathways Committee, 2000-2001
 Faculty Advisory Committee, AAA (elected), 2001-2003
 Search Committee, Honors College Director, 2002-3
 Ad Hoc Committee on Short Courses, 2003
 Commencement Marshall, 2004
 Scholarship Committee, 2004-6
 Ad Hoc Committee on Non-Tenure Track Instructional Faculty, 2005-06
 Committee on Academic Freedom, 2010-11

To Department of Sociology

Affirmative Action Committee, member, 1974-1975; chair pro-tem, Spring, 1975 Head Advisor, 1975-1981, 1982-1984, spring, 1990, 1991-1995
 Graduate Admissions and Awards Committee, 1975-1976, 1983-1987, 1989-1990; chair, 1984-1987, 1989-1990, 1999-2000

Ad Hoc Committee on Curriculum in Social Institutions, 1975-1976
Ad Hoc Committee on Curriculum in Methodology, chair, 1975-1976
Qualifying Examination Committee, 1976-1978, 1980-1981, 1982-1983, 1984-1986,
1992-1993 (chair), 1999 (winter)
Undergraduate Affairs Committee, chair, 1978-1979
Ad Hoc Promotion and Tenure Policy Committee, 1978-1979
Staff Development Committee, 1980-1981, 1989-1991; chair, Winter and Spring, 1981,
1990-1991
Liaison with Computer Center, 1980-1981
Curriculum Committee, 1980-1981, 1991-1992; chair, 1982-1984, 1991-1992, 1996-
1999, 2000-2001
Promotion and Tenure Committees for individuals (chair of one), 1983-1985
Ad Hoc Committee on Teaching, 1986
Personnel Committee, 1986-1987
Ad Hoc Committee on Foreign Student Funding, 1987
Executive Committee, 1991-1993, 1996-1997

To Department of Planning, Public Policy, and Management

Promotion Committee for Individuals, 1993, 1995
Curriculum Committee, 1996-1997, 2003-4 (chair)
PPM Program Committee, 1997-2008
CRP Program Committee, 2001-2008
Selection Committee, Michael Hibbard Award for Excellence, 1997, 1998, 2002, 2004
GTF Selection Committee, 2000-2003
Tenure Policy Committee, 2000-2001
Curriculum Revision Committees, 2000-2001
PPM Search Committee, 2000-2001, 2002-2003 (chair)
PPM Admissions Committee, 2000-2001
Undergraduate Program Committee, 2001-2004 (chair 2001-2002)
Third Year Review Committee for Individual, 2004 (chair), 2007

Student Committees

Undergraduate Honors Committees: 30 (chair of 18)
Master's Theses and Second Year Evaluations: 135 (chair of 63)
Comprehensive Examination Committees:
 37 in Sociology (chair of 14)
 10 in other departments
Dissertation Committees:
 23 in Sociology (chair of 10)
 217 in other departments

Participation in Professional Meetings

- Presented Paper, "Building a More Effective, Equitable, and Compassionate Educational System: The Role of Direct Instruction," Barksdale's Lunch and Literacy Friday Circle, January, 2023
- Presented Paper, "Promoting Inclusivity and Collegiality: Advice from Students." Chemistry Education Research and Practice Gordon Research Conference, 2023.
<https://scholarsbank.uoregon.edu/items/5e60af0b-fd7b-4a3a-a549-17ce272edcdb>
- Presented Paper, "Graduate School Experiences in the Chemical Sciences: Student Views and Implications for Change, Biennial Conference on Chemical Education, August, 2022
- Panel Presentation, "What is the Evidence for DI," Association for Behavior Analysis International, May, 2020
- Panel Presentation, "Reflections on Teaching," Pacific Sociological Association, Long Beach, California, April, 2018.
- Panel Presentation, "Growing Inequality in Mortality: A Look at Hispanic Americans," Oxnard College, February, 2014.
- Panel Presentation, "What I Wish I Knew Before Retirement," Pacific Sociological Association, Reno, Nevada, March, 2013.
- Panel Presentation, "What I Wish I Knew When Starting my Career: Reflections of Seasoned Sociologists," Pacific Sociological Association, Reno, Nevada, March, 2013.
- Presented Paper, "Declining Life Expectancy of Americans with Low Levels of Education: Age, Period or Cohort Effects?" (with Robert O'Brien and Tracy DeHaan), Pacific Sociological Association, Reno, Nevada, March 2013.
- Panel Presentation, "Sociologists, Public Policy, and Social Action," Pacific Sociological Association, San Diego, California, March, 2012.
- Presented Paper, "Gender and Gender Roles: Updating Parsons' Analysis from the 1950s and 1960s, Pacific Sociological Association, San Diego, California, March, 2012.
- Presented Paper, "Constancy and Change in Leisure Values through Midlife: A Longitudinal Study," (with Gaylene Carpenter and Lynn Kahle) Canadian Congress on Leisure Research, St. Catherines, Ontario, May 2011.
- Invited Presentations, "Evaluations and Equity" and "OXIDE Demographic and Policy Data", Open Chemistry Collaborative in Diversity Equity (OXIDE), Washington, D.C., January, 2011.
- Presented Paper, "Yes They Do Walk in Suburbia: Suburban Multi-Family Housing and Trips to Strips" (with Nico Larco, Bethany Johnson, and Amanda West), Annual Conference of the Housing and Research Association, Portland, Oregon, November 2010.
- Presented Paper, "Long-Term Foster Care: Data Supporting Alternative Permanent Placements," National American Indian Conference on Child Abuse and Neglect, Portland, Oregon, April 11-14, 2010.

Presented Paper, "Changing Oregon: A Quick Look at Demographic and Social Variations Over Time," in session on Planning for Changing Communities, at the Oregon Planning Institute, 2009, Eugene, Oregon, September 18, 2009.

Presented Paper, "The Built Environment and Health," Oregon Transportation Summit, Portland, Oregon, September 11, 2009.

Presented Paper, "Lessons from Community-Based Participatory Research: The First Year of a Collaborative Research Project Involving Community Organizations, Schools, and Social Science Researchers" (with Deborah Johnson-Shelton and Geraldine Moreno) at the annual meetings of the Pacific Sociological Association, San Diego, April, 2009.

Presented Paper, "The Ups and Downs of Whole School Reform: A Case Study of Success and its Demise (with Donna Dwiggins and Cristy Coughlin) at the annual meetings of the Pacific Sociological Association, San Diego, April, 2009.

Presented Paper, "Life Events and the Perception of Leisure during Adulthood (with Megan C. Janke, Laura L. Payne, and Gaylene Carpenter) at Leisure Research Symposium, October, 2008.

Presented Paper, "Women Friendly Societies, Families of Nations, and Cohort Variations in Lethal Violence (with Robert M. O'Brien) International Council on Women's Health Issues, Gabarone, Botswana, July, 2008.

Presented Paper, "Are Urbanism and Familism Still in Conflict? Can Cities be Family Friendly?" (with Yizhao Yang,) International Making Cities Livable Conference, Santa Fe, June, 2008.

Presented Paper, "Native American Child Welfare Foster Care Placements: Administrative Data Findings for 4 Large Urban/Rural Counties in California," Society for Prevention Research, May, 2008, San Francisco.

Presented Paper, "Cohort and Crack-Cocaine Explanations for the Changing Relationship between Age and Homicide Offending," American Society of Criminology, November, 2007, Atlanta.

Presented Paper, "Childbearing, Marriage, and Human Capital Investment: Evidence from Age-Cohort Data for the United States," (with Joe Stone and Jo Anna Gray) Southern Economic Association, November, 2007, New Orleans.

Presented Paper, "Social Equity in Neighborhood Planning," Oregon Planning Institute, September, 2007, Eugene, Oregon.

Presentation, "Urban Places and Women's Health" at the Urban Women's Health Think Tank, September, 2007, University of Pennsylvania School of Nursing, Philadelphia, Pennsylvania.

Presented Paper, "Social Science Lessons for Managing Sustainability: Thoughts for La Reunion," at conference entitled Equilibres environnementaux, énergies renouvelables et développements urbains... (Balanced Environment, Renewable Energy and Urban Development...) La Reunion (Reunion Island), March, 2007.

Discussant, Session on "Built Environment and Health," Association of Collegiate Schools of Planning, October 2005, Kansas City, Missouri.

Presented Paper, "Gender, Theology, and Political Views among Mainline Clergy" (with Barbara Finlay and Benton Johnson), Pacific Sociological Association, April 2005, Portland, Oregon.

Presented Paper, "Active Community Environments and Health: The Relationship of Walkable and Safe Communities to Individuals' Health" (with Scott Doyle, Alexia Kelly-Schwartz, and Marc Schlossberg), Association of Collegiate Schools of Planning, October 2004, Portland, Oregon.

Presenting paper, "Cross-National Variations in Age-Specific Suicide Rates in Cohorts born from 1875 through 1985," (with Robert M. O'Brien) American Sociological Association, August 2004, San Francisco.

Participant in PSA 75th Anniversary Featured Session, "Past Presidents of the PSA: Contemporary Perspectives on the PSA," Pacific Sociological Association, April 2004, San Francisco.

Presented paper, "Staff Retention at High Risk Schools: An Analysis of Data from the National School and Staffing Teacher Follow-up Survey" (with Mike Lehman, and Scott Lane), American Society for Public Administration, Portland Oregon, March, 2004

Discussant at session on "Beauty" at American Economic Association meeting at Allied Social Science Association, San Diego, California, January, 2004

Presented Paper, "A Common Explanation of the Changing Age Distributions of Suicide and Homicide in the United States: 1930-2000" (with Robert M. O'Brien), American Society of Criminology, Denver, November 2003.

Presented Paper, "Stemming the Tide of Youthful Lethal Violence: Suicide and Homicide Prevention Policies and Sociological Knowledge" (with Robert M. O'Brien), Society for Applied Sociology, New Orleans, October 2003.

Presented Paper, "A Multi-Level Estimation of Age, Period, and Cohort Effects" (with Robert M. O'Brien and Ken Hudson), American Sociological Association, Atlanta, Georgia, August, 2003

Keynote Address, "Changing Age Distributions of Lethal Violence: A Look at the Intermountain West," OASIS Conference; and brief remarks on "What Can You Do with a Sociology Degree," AKD initiation, University of Wyoming, April 2003

Presented Presidential Address, "Social Science, Social Policy and Lethal Violence: Looking for Upstream Solutions," Pacific Sociological Association, Pasadena, California, April 2003.

Presented Paper, "Publicly Reporting on Hospital Performance: Impact on Hospital Improvements and Consumer Choice" (with Judith Hibbard) American Public Health Association, Philadelphia, November 2002.

Presented Paper, "The Cohort-Size, Sample-Size Conundrum: An Empirical Analysis and Assessment Using Homicide Arrest Data from 1960 to 1999, (with Robert M. O'Brien), American Sociological Association, Chicago, August, 2002.

Presented Paper, "Social Capital and Cohort Variations in Suicide: International Comparisons" (with Robert O'Brien), Pacific Sociological Association, San Francisco, California, March, 2001.

Organizer and Presider of Session on "Cohorts and Social Change," Pacific Sociological Association, San Francisco, California, March, 2001.

Presented Paper, "Variations in Age-Specific Homicide Death Rates: A Cohort Explanation for Changes in the Age Distribution of Homicide Deaths" (with Robert O'Brien), American Society of Criminology, San Francisco, November, 2000.

Presented Paper, "Changes in the Age Distribution of Suicide in the United States: A Simple Demographic Explanation," (with Robert O'Brien) Pacific Sociological Association, Portland, Oregon, April, 1999.

Organized and presided at session on "Sociology of Education." Pacific Sociological Association, Portland, Oregon, April, 1999.

Presented Paper, "Physical Attractiveness, Opportunity, and Success in Everyday Exchange" and presided at a Sociology of Education Section roundtable, American Sociological Association, Toronto, August, 1997

Participant in panel on "Women Building Bridges; A Discussion with Mentor-Mentee Pairs," Pacific Sociological Association, San Diego, April, 1997

Co-Organizer of Session on "Threats to Tenure and Academic Freedom," Pacific Sociological Association, San Diego, April, 1997

Organizer and Presider of "Special Session: Educational Opportunities and Constraints: A Multi-Level Perspective" American Sociological Association, New York City, August, 1996

Organizer and Presider of Special Session: Constructing Inclusive Social Theory: Transforming the Privileged Discourse of the Discipline and session on Work, Family, and Children, Pacific Sociological Association, Seattle, March, 1996.

Discussant of papers at annual meeting of the Sociology of Education Association, Monterey, California, February, 1996.

Presented Paper, "Changes in Children's Occupational Preferences from Childhood to Adolescence: The Influence of Social Class, Gender, and Academic Achievement" at session on Sociology of Education, Pacific Sociological Meetings, San Diego, April 1994

Discussant of Session, "Family and Gender" at Pacific Sociological Association, Portland, Oregon, April, 1993

Presider of Session on "Occupational Discrimination and Labor Market Segmentation. Annual Meeting of Sociologists for Women in Society, August, 1992.

Presented paper, "Gender as Relationality: Notes on a Multidimensional and Multilevel Conception of Gender" at the ASA sponsored "Problems of the Discipline" conference on Theories and Measurement of Gender, Pittsburgh, Pennsylvania, August, 1992.

Presented paper, "Gender Differences in Attitudes Toward the Language Arts: Why do they Persist? in session on Sociology of Education, Pacific Sociological Association, Spokane, Washington, 1990.

Organizer of sessions on "Gender" and "Women in Male Dominated Professions," Presider of Session on "Gender," American Sociological Association, 1989, San Francisco.

Presented paper, "The Division of Labor, School Size, and Student Resistance" in a Sociological Theory Section Roundtable, American Sociological Association, Atlanta, 1988.

Organizer and Presider of session on "Research on Women: Methodological and Policy Issues," Pacific Sociological Association, Las Vegas, 1988.

Presented paper, "On Women's Aspirations and Equal Opportunity," in Plenary Session on "The Human Rights Movement: An Assessment in Honor of Martin Luther King, Jr.," Pacific Sociological Association, Las Vegas, 1988.

Presented paper, "From a Child's View: Children's Occupational Knowledge and Perceptions of Occupational Characteristics" (with J. McGee), American Sociological Association, Chicago, 1987.

Chaired round table session on "Gender Roles and Behavior in Social Dilemmas: Are There Sex Differences in Cooperation and Its Justification?" (with P. Dodge and A. van de Kragt), American Sociological Association, Chicago, 1987.

Presented paper, "A Review of the Literature on School Environments and Student Achievement: Toward a Framework for Understanding Environmental Influences" (with Maralee Mayberry), Pacific Sociological Association, Eugene, 1987.

Organizer and Presider of session on "Gender Roles," Pacific Sociological Association, Eugene, 1987.

Presented paper, "Learning Courtship Aggression: The Influence of Parents, Peers, and Personal Experiences," American Psychological Association, Washington. D. C., 1986.

Discussant of session on "Sociology of Education" and Panel Member, session on "Status of Minorities and Women in the Profession: Results of the PSA Longitudinal Study," Pacific Sociological Association, Albuquerque, 1985.

Organizer and Presider of session on "Sociology of Education" and Presider of session on "Improving the Status of Racial and Ethnic Minorities and Women in Sociology." Pacific Sociological Association, Seattle, 1984.

Presented paper, "Influences on Women's Educational Aspirations," Pacific Sociological Association, San Jose, 1983.

Presented paper, "Sex Differences in Academic Underachievement: Recent Changes?" (with J. Walter Wood), Pacific Sociological Association, Portland, Oregon, 1981.

Discussant of Keynote Speech by Lillian Rubin, Oregon Sociological Society, Corvallis, 1981.

Presented paper, "Women Line Administrators in Education: A Study of Achievement," International Society of Political Psychology, Washington, D.C., 1979.

Panel member in Symposium, "Anthropologists and Sociologists on `Ideology and Social Structure,'" Pacific Sociological Association, Spokane, Washington, 1978.

Presider and discussant for session on "Sociology of Sex Roles," Pacific Sociological Association, Sacramento, California, 1977.

Presented paper, "The Influence of Family Background and Other Experiences on the Sex Role Related Attitudes of Male and Female Late Adolescents and Young Adults," in session on "Socialization," American Sociological Association, Chicago, 1977.

Discussant at session on "The Family and Sex Roles: The Future," Pacific Sociological Association, San Diego, 1976.

Presented paper, "The Interaction of Peer and Adult Expectations on Adolescent Delinquency" (with Patricia Bugas-Schramm), Pacific Sociological Association, San Diego, 1976.

Organizer and presider of session on "Sociology and Education," Pacific Sociological Association, Victoria, British Columbia, 1975.

Presented paper, "Sex Role Socialization and Sex Discrimination: A Theoretical Perspective," (with Miriam Johnson, Marion Goldman, and Joan Acker), American Sociological Association, San Francisco, 1975.

Presented paper, "Expressiveness Re-Evaluated," (with Miriam Johnson, Joan Acker, and Claudeen Nafziger), American Sociological Association, Toronto, 1974.