

References

Alpert, Daniel

- 1985 "Performance and paralysis: The organizational context of the American research university." *Journal of Higher Education* 56: 241-281.
- 1992 "Rethinking the challenges facing the American research university." Unpublished manuscript (December).

Anderson, Christopher

- 1992 "Bromley's last stand: On the eve of his departure, the White House science adviser rallies his advisory panel to issue a hard-hitting call for university reforms." *Science* 259: 20-21.

Anderson, Martin

- 1992 "The galls of ivy: Our professors do everything but teach." *Washington Post*, October 15, p. C3.

Astin, Alexander

- 1992 *Four Critical Years Revisited*. San Francisco: Jossey-Bass.

Atwell, Robert

- 1992 "Financial prospects for higher education." Policy Perspectives: The Pew Higher Education Research Program 4(3):5B-7B.

Austin, Ann

- 1990 "Faculty cultures, faculty values." Pp. 61-74 in W.G. Tierney (ed.), *Assessing Academic Climates and Cultures: New Directions for Institutional Research*. San Francisco: Jossey-Bass.

Bergquist, William H.

- 1992 *The Four Cultures of the Academy*. San Francisco: Jossey-Bass.

Birnbaum, Robert

- 1991 *How Colleges Work: The Cybernetics of Academic Organization and Leadership*. San Francisco: Jossey-Bass (for the National Center for Postsecondary Governance and Finance).

Bolman, Lee and Terrence Deal

- 1991 *Reframing Organizations: Artistry, Choice, and Leadership*. San Francisco: Jossey-Bass.

Boyer, Ernest

- 1990 *Scholarship Reconsidered: Priorities of the Professoriate*. Princeton, NJ: Princeton University Press (for the Carnegie Foundation for the Advancement of Teaching).

- Brown, George
1992 "Rational science, irrational reality: A Congressional perspective on basic research and society." *Science* 258(9):200-201.
- Carothers, Robert
1992 "Trippingly on the tongue: Translating quality for the academy." *American Association of Higher Education bulletin* 45(3).
- Checkoway, Barry
1991 "Unanswered questions about public service in the public university." *Journal of Planning Literature* 5:219-225.
- Cornesky, Robert, Sam McCool, Larry Byrnes, and Robert Weber
1991 *Implementing Total Quality Management in Higher Education*. Madison, WI: Magna Publications.
- Dressel, Paul
1987 *College to University: The Hannah Years at Michigan State University (1935-1969)*. East Lansing, MI: Michigan State University Press.
- Duderstadt, James
1992 "Redrawing the boundaries." *The University Record* (University of Michigan) December:5-7.
- Elman, Sandra and Sue Smock
1985 *Professional Service and Faculty Rewards*. Washington, DC: National Association of State Universities and Land Grant Colleges.
- Enarson, Harold
1989 *Revitalizing the Land Grant Mission*. Blacksburg, VA: Virginia Polytechnic and State University.
- Galston, William
1992a "Clinton and the promise of communitarianism." *The Chronicle of Higher Education*, December 2, A52.
1992b *Liberal Purposes: Goods, Virtues, and Diversity in the Liberal State*. New York: Cambridge University Press.
- House Select Committee on Children, Youth, and Families
1992 *College Education: Paying More and Getting Less*. Washington, DC: U.S. Government Printing Office (Committee chaired by Rep. Patricia Schroeder, D-CO)
- Keller, George
1983 *Academic Strategy: The Management Revolution in American Higher Education*. Baltimore: The Johns Hopkins University Press.
- Lerner, Richard
1991 "Changing organism-context relations as the basic process of development: A developmental contextual perspective." *Developmental Psychology* 27:27-32.

- Lombardi, John
1993 "With their accounts in order, colleges can win back their critics." *The Chronicle of Higher Education*, February 17, A40.
- Lynton, Ernest
1992 Scholarship Recognized. Unpublished draft manuscript (September).
- Lynton, Ernest and Sandra Elman
1987 *New Priorities for the University: Meeting Society's Needs for Applied Knowledge and Competent Individuals*. San Francisco: Jossey-Bass.
- Massey, Walter
1992 Discussion paper on the future of the National Science Foundation: Memorandum to members of the National Science Board. Washington, DC: Office of the Director, National Science Foundation, NSB-92-146, August 14, 1992.
- Massy, William and Robert Zemsky
1992 "Faculty discretionary time: departments and the academic ratchet." *Policy Perspectives: The Pew Higher Education Research Program* 4(3):3B-4B.
- Maxwell, Nicholas
1992 "What kind of inquiry can best help us create a good world?" *Science, Technology, and Human Values* 17(2):205-227.
- Michigan State University
1987 *Michigan State as a Lifelong University—Pioneering the Land Grant Model for the Learning Society of the 21st Century*. A proposal submitted to the W.K. Kellogg Foundation. East Lansing, MI: Office of the Acting Dean, Lifelong Education, Michigan State University.
- Michigan State University Cooperative Extension Service Study Committee
1989 MCES Study Committee Report. East Lansing, MI: College of Agriculture and Natural Resources.
- Moore, Kathryn
1991 *Pioneering the Land Grant University for the 21st Century*. East Lansing, MI: Office of the Vice Provost for University Outreach, Michigan State University.
- Morgan, Gareth
1986 *Images of Organization*. Beverly Hills, CA: Sage Publications.
- Newman, Frank
1985 *Higher Education and the American Resurgence*. Princeton, NJ: The Carnegie Foundation for the Advancement of Teaching.
- Nicklin, Julie and Goldie Blumenstyk
1993 "Number of non-teaching staff members continues to grow in higher education." *The Chronicle of Higher Education*, January 6, A43.

Oliva, L. Jay

1993 Quote. *The Chronicle of Higher Education*, January 13, A13.

Osborne, David and Ted Gaebler

1992 *Reinventing Government: How the Entrepreneurial Spirit is Transforming the Public Sector*. Reading, MA: Addison-Wesley.

Schilling, Karen and Karl Schilling

1993 "Professors must respond to calls for accountability." *The Chronicle of Higher Education*, March 24, A40.

Senge, Peter

1990 *The Fifth Discipline: The Art and Practice of the Learning Organization*. New York: Doubleday.

Stauber, Karl

1992 Speech delivered to the Board on Agriculture and The Professional Scientific Society's National Academy of Sciences, Spring Symposium, Irvine, CA (April).

Task Force on Lifelong Education

1973 *The Lifelong University: Report to the President of Michigan State University*. East Lansing, MI: Michigan State University.

Virginia Polytechnic Institute and State University

1989 *Evaluation of Faculty Effort in Extension and Service*. Blacksburg, VA: Virginia Polytechnic Institute and State University.

Votruba, James

1992 "Promoting extension of knowledge in service to society." *Metropolitan Universities* 3:72-80.

1993 "MDEX (MultiDimensional EXcellence): here's what it's all about." *MSU News Bulletin* 24(18):4.

Whyte, William

1991 *Participatory Action Research*. Newbury Park, CA: Sage Publications.

Zook, Jim

1993 "Clinton foresees enlisting 100,000 youths in his national-service program by 1997." *The Chronicle of Higher Education*, March 10, A27, A29.

ADDITIONAL READINGS³⁰

- Abrahamson, Eric. 1991. "Managerial fads and fashions: The diffusion and rejection of innovations." *Academy of Management Review* 16(3): 586-612.
- Alpert, Daniel. 1985. "Performance and paralysis: The organizational context of the American research university." *Journal of Higher Education* 56(3):241-281.
- Anderson, G. Lester. 1972. "The land grant university and the urban condition." *Education and Urban Society* V(1, February):5-21.
- Anderson, G. Lester. 1976. "Land grant universities and their continuing challenge." In *Land grant universities and their continuing challenge*, ed. G. Lester Anderson, 1-48. East Lansing MI: Michigan State Press.
- Anderson, James H. 1989. *Review of Michigan cooperative extension service (MCES)*. Memorandum to MCES study committee, 1-28. East Lansing: Michigan State University.
- Apps, Jerold W. 1991. *Next age leadership for extension*. McDowell Lecture, sponsored by the Department of Agricultural and Extension Education College of Agriculture. University Park PA: Pennsylvania State University.
- Arthur, Carolyn. 1992. *Public and community service activities of faculty and academic staff members at a land grant institution : A study of Michigan State University*. East Lansing: Michigan State University.
- Arizona State University. 1991. *Annual Report: Arizona State University*. Tempe AZ: Arizona State University, College of Extended Education.
- Arizona State University. 1992. *Strategic Plan 1990-1992*. Tempe: Arizona State University, College of Extended Education.
- Aslanian, Carol B. 1990. "Guess who's coming to college?" *Looking to the future of lifelong learning*. Presented at the Ferris State University Symposium: Working Together in Continuing Higher Education-Community Colleges and Universities, 1-13. New York NY: Office of Adult Learning Services, The College Board.
- Atkinson, Richard C., and Donald Tuzin. 1992. "Equilibrium in the research university." *Change* 23(3):22-27, 30-31.
- Austin, Ann E. 1990. "Faculty cultures, faculty values." *New Directions for Institutional Research* 68:61-74.

³⁰ These citations were collected by Ms. Sonia Patra-Zuna, graduate assistant in the MSU Department of Communications, working under the guidance of James Dearing, committee member.

- Baird, Leonard L. 1988. "The college environment revisited: A review of research and theory." *Higher Education Handbook of Theory and Research* IV:1-52.
- Baldrige, J. Victor. 1980. "Managerial innovation: Rules for successful implementation." *Journal of Higher Education* 51(2):117-134.
- Balgopal, Pallassana R., Paul H. Ephross, and Thomas V. Vassil. 1986. "Self-help groups and professional helpers." *Small Group Behavior* 17(2):123-137.
- Baltes, Paul B. 1983. "Life-span developmental psychology: Observations on history and theory revisited." In *Developmental psychology: Historical and philosophical perspectives*, ed. Richard M. Lerner, 79-111. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Bawden, Richard, and Robert D. Macadam. 1988. *Toward a university for people-centered development: A case history of reform*. A paper prepared for Winrock International.
- Beal, George M., Wimal Dissanayake, and Sumiye Konoshima. 1986. *Knowledge Generation, Exchange, and Utilization*, 37-60. Boulder CO: Westview Press.
- Beckhard, Richard, and Reuben T. Harris. 1977. "Intervention technologies." In *Organizational Transitions: Managing Complex Change*, 58-69. Reading MA: Addison-Wesley.
- Beer, Michael, Russel A. Eisenstat, and Bert Spector. 1990. "Why change programs don't produce change." *Harvard Business Review* 68(6):158-166.
- Bennis, Warren. 1989. *Why Leaders Can't Lead*. San Francisco, CA: Jossey-Bass.
- Bennett, Claude. 1990. *Cooperative extension roles and relationships for a new era: A new interdependence model and evaluation synthesis to foster work with other agencies and organizations*. Washington DC: Extension Service U.S. Department of Agriculture.
- Bennett, Claude. 1990. *Cooperative extension roles and relationships for a new era: A new interdependence model and evaluation synthesis to foster work with other agencies and organizations* (Summary). Washington DC: Extension Service USDA.
- Bennis, Warren G., Kenneth D. Benne, and Kenneth E. Corey, eds. *The Planning of Change*. Holt, Rinehart and Winston.
- Bergquist, William H. 1992. *The Four Cultures of the Academy*. San Francisco: Jossey-Bass
- Bieber, Jeffrey P., Janet H. Lawrence, and Robert T. Blackburn. 1992. "Through the years—faculty and their changing institution." *Change* 24(4):28-35.
- Birnbaum, Robert. 1988. *How Colleges Work: The Cybernetics of Academic Organization and Leadership*. San Francisco: Jossey-Bass.
- Bok, Derek. 1992. "Reclaiming the public trust." *Change* 24(4):13-19.

- Boyer, Ernest L. 1990. *Scholarship Reconsidered: Priorities of the Professorate*. Princeton, NJ: The Carnegie Foundation for Advancement of Teaching.
- Cameron, Kim S., and Robert E. Quinn. 1988. *Paradox and Transformation: Toward a Theory of Change in Organization and Management*. Cambridge, MA: Ballinger Publishing Co.
- Cantlon, John E., and Herman E. Koenig. 1990. "Global economic competitiveness and the land grant university." *Economic Developmental Quarterly* 4(1):40-46.
- Carter, Anne P. 1989. "Know-how trading as economic exchange." *Research Policy* 18:155-163.
- Colorado Commission on Higher Education. 1992. *The Statewide Extended Campus 1991-1992*.
- Colorado State University. 1991. *1990-1991 Annual Report*. Fort Collins CO: Colorado State University, Division of Continuing Education.
- Colorado State University. 1992. "Colorado State University Outreach: Making vital connection." In *Season your opportunities* (1992 fall bulletin), 136. Colorado State University, Division of Continuing Education.
- Clagett, Craig A., and Daniel D. McConochie. 1991. "Accountability in continuing education measuring noncredit." *The Association for Institutional Research Student Outcomes* #42.
- Clark, Peter A. 1972. *Action Research and Organizational Change*, 6-25. New York: Harper & Row Publ.
- Coleman, James S. "Relational analysis: The study of social organizations with survey methods." *Human Organization* 17:28-36.
- Collegiate Employment Research Institute and the Department of Educational Administration. 1992. *Faculty in a time of change: Executive summary*. East Lansing: Michigan State University Press.
- The Committee on Institutional Cooperation. 1992. *Multi-dimensional excellence in support of multiple university missions, Phase I*. East Lansing: Michigan State University.
- Connor, Larry J. 1989. "Land grant undergraduate ag programs: They need revitalizing." *Choices*, First Quarter:12-15.
- Conrad, Clifton F. 1978. "A grounded theory of academic change." *Sociology of Education* 51:101-112.
- Contractor, Noshir S., and Matthew C. Ehrlich. 1990. *The role of strategically ambiguous messages in the creation of an organization: The case of a \$500 million experiment*. Paper submitted for presentation to the International Communication Association.
- Cooperative Extension Service. 1988. *Issues programming in extension*. Joint publication with the USDA Extension committee on organization and policy, and Minnesota Extension Service.

- Cooperative Extension Service. 1988. *Issues programming in extension: Executive summary*. Joint Publication with the United States Department of Agriculture, Extension Committee on Organization and Policy and the Minnesota Extension Service.
- Cooperative Extension Service. 1989. *Strategic plan for university extension: Cooperative Extension and Life Span Learning programs*. Utah State University, Joint Strategic Planning Committees of Cooperative Extension and the Life Span Learning Programs.
- Cooperative Extension Service. 1992. *Focus on Michigan's future: An issues identification process*, 1-4. East Lansing: Michigan State University, CES Design Task Group.
- Cornesky, Robert A., Ronald Baker, Cathy Cavanaugh, William Etling, Michael Lukert, Sam McCool, Brian McKay, An-Sik Min, Charlotte Paul, Paul Thomas, and David Wagner. 1992. *Using Deming to improve quality in colleges and universities*. Madison, WI: Magna Publications, Inc.
- Council on the Review of Research and Graduate Education (CORRAGE) Task Force 3. 1990. *Outreach and external forces and strengthening research and graduate education*. Final report. East Lansing: Michigan State University.
- Council on the Review of Research and Graduate Education (CORRAGE). 1991. *Research & graduate education at Michigan State University*. East Lansing: Michigan State University, Office of the Provost.
- Cummings, Thomas G., and Susan A. Mohrman. 1987. "Self-designing organizations: Toward implementing quality-of-work life innovations." *Research in Organizational Change and Development* 1:275-310.
- Damanpour, Fariborz. 1991. "Organizational innovation: A meta-analysis of effects of determinates and moderators." *Academy of Management Journal* 34(3):555-590.
- Damanpour, Fariborz, Kathryn A. Szbat, and William M. Evan. 1989. "The relationship between types of innovation and organizational performance." *Journal of Management Studies* 26(6): 587-601.
- Dill, David D. 1986. "Research as a scholarly activity: Context and culture." In *Measuring faculty research performance*, J.W. Creswell ed., 7-23. San Francisco: Jossey-Bass.
- Dill, David D., and Charles P. Friedman. 1979. "An analysis of frameworks for research on innovation and change in higher education." *Review of Educational Research* 49(3):411-435.
- Dillman, Don A. 1986. "Cooperative extension at the beginning of the 21st century." *The Rural Sociologist* 6(2):102-119.
- Dowling, Noreen. 1986. *Motivation and the role of faculty in public service in the University of California*. Presentation to the International Meeting of Urban Universities, National Association of State, Universities and Land Grant Colleges. Winnipeg, Canada: University of Winnipeg.

- Dressel, Paul L. 1987. *College to University: The Hannah Years at Michigan State 1935-1969*. East Lansing: Michigan State University Press.
- Dunn, William N. 1983. "Measuring knowledge use." *Knowledge: Creation, Diffusion, Utilization* 5(1):120-133.
- Dunn, William N. 1983. "Social network theory." *Knowledge: Creation, Diffusion, Utilization* 5(1):453-461.
- Eastman, Julia A. 1989. "The different organizational requirements of scholarship and service." *The Review of Higher Education* 12(3):279-292.
- Edens, Mary, Frank Fear, Esther Fergus, Arden Moon, and Philip Smith. 1992. *Service-learning and service-outreach: Integrating the knowledge functions at a transversity in the land grant tradition*. East Lansing: Michigan State University.
- Edgerton, Russel. 1992. "Community and commitment in higher education: An interview with Parker J. Palmer." *American Association for Higher Education* 45(1).
- Eisenberg, Eric M. *et al.* 1984. "Communication linkages in interorganizational systems: Review and synthesis." In *Progress in Communication Sciences* 6:231-261. Brenda Dervin and Melvin J. Voigt eds.
- Elman, Sandra E., and Sue Marx Smock. 1985. *Professional Service and Faculty Rewards*. Washington DC: The National Association of State Universities and Land Grant Colleges.
- Elman, Sandra E., and Sue Marx Smock. 1992. "A continuing conversation about professional service." *AAHE Bulletin* 44(9):10-13.
- Enarson, Harold L. 1989. *Revitalizing the Land Grant Mission*. Blacksburg, VA: Virginia Polytechnic Institute & State University.
- Ettlie, John E., and Ernesto M. Reza. 1992. "Organizational integration and process innovation." *Academy of Management Journal* 35(4):795-827.
- Eveland, J.D. 1987. "Diffusion, technology transfer, and implementation: Thinking and talking about change." *Knowledge: Creation, Diffusion, Utilization* 8(2):303-322.
- Farmer, D.W. 1990. "Strategies for change." *New Directions for Higher Education* 71:7-17.
- Fear, Frank A. 1992. *Multidimensional connectivity: MSUE in the transversity of the 21st century*. Prepared for the Michigan State University Extension retreat.
- Feldman, Martha S., and James G. March. 1981. "Information in organizations as signal and symbol." *Administrative Sciences Quarterly* 26:171-186.
- Feller, Irwin, Patrick Madden, Lynne Kaltreider, Dan Moore, and Laura Sims. 1987. "The new agricultural research and technology transfer policy agenda." *Research Policy* 16:315-325.

- Firestone, William A., and Bruce L. Wilson. 1983. "Assistance and enforcement: Strategies for knowledge transfer and program reform." *Knowledge: Creation, Diffusion, Utilization* 4(3):429-452.
- Fleming, Robben W. 1987. *Report of the commission on the future of the Cornell Cooperative Extension System.*
- Foote, William. 1991. *Social Theory for Action.* Newbury Park CA: Sage.
- Ford, Donald H. 1992. "Developmental contextualism: Biology and context as the liberators of human potential." In Donald H. Ford, *Developmental systems theory: An integrative approach*, pp. 54-90. Newbury Park CA: Sage.
- Friedkin, Noah. 1980. "A test of structural features of Granovetter's strength of weak ties theory." *Social Networks* 2:411-422.
- Friedkin, Noah. 1982. "Information flow through strong and weak ties in intraorganizational social networks." *Social Networks* 3:273-285.
- Frost, Peter J., and Carolyn P. Egri. 1991. "The political process of innovation." *Organizational Behavior* 13:229-295.
- Gamson, Zelda. 1979. "Understanding the difficulties of implementing a competence-based curriculum." In *On Competence: A critical analysis of competence-based reforms in higher education*, pp. 224-258, Gerald Grant, Peter Elbow, Thomas Ewens, Zelda Gamson, Wendy Kohli, William Neumann, Virginia Olesen, David Riesman. San Francisco: Jossey-Bass.
- Gamson, Zelda. 1984. "Politics of creating change." In *Liberating education*, pp. 131-165, Zelda Gamson. San Francisco: Jossey-Bass.
- Geer, Carol, and Donna Schafter. 1991. Memorandum to Martha L. Hesse. Update — Definitions of "Public Service", pp. 1-7.
- Gilley, J. Wade. 1991. *Thinking about American Higher Education: The 1990s and beyond.* New York: American Council on Education, Macmillan Publishing Company.
- Gluck, Michael E., David Blumenthal, and Michael A. Stoto. 1987. "University-industry relationships in the life sciences: Implications for students and post-doctoral fellows." *Research Policy* 16:327-336.
- Goodpaster, Kenneth E., and Gary Atkinson. 1992. "Stakeholders, individual rights, and the common good." *National Forum: Phi Kappa Phi Journal* LXXII(1):14-17.
- Gordon, Michael D. 1983. "Toward a social systems model of research dissemination: The case of the DHSS and its researchers." *Knowledge: Creation, Diffusion, Utilization* 4(4):511-533.

- Gray, Cynthia Roberts, and Thomas Gray. 1983. "Implementing innovations: A model to bridge the gap between diffusion and utilization." *Knowledge: Creation, Diffusion, Utilization* 5(2):213-232.
- Gross, Edward, and Paul V. Grambsch. 1968. *University Goals and Academic Power*. Washington DC: American Council on Education.
- Gwiazda, Adam. 1983. "Socially useful research-knowledge of dubious value? Some remarks about the quality of knowledge and the relationship between scientist and policy-maker." *Knowledge: Creation, Diffusion, Utilization* 5(2):233-244.
- Harkavy, Ira. 1992. "The university and social sciences in the social order: An historical overview and 'Where do we go from here?'" *Virginia Social Science Journal* 27:1-25.
- Harkavy, Ira, and John L. Puckett. 1991. "Toward effective university-public school partnerships: An analysis of a contemporary model." *Teachers College Record* 92(4):556-581.
- Harper, Judson M. 1992. *Annual Planning* (Memorandum from chair to deans, directors, and department heads). Fort Collins CO: Colorado State University, Office of Vice President for Research.
- Hood, Lamartine, Wayne Schutjer, and Donald Evans. 1990. "'Choices' follow-up on Cooperative Extension. Integration of Research: It's a priority at Penn State." *Choices* 3rd quarter:22,24.
- Horner, Vivian M., and Linda G. Roberts, eds. 1991. *The Annals of the American Academy of Political and Social Science: Electronic links for learning*. Newbury Park, CA: Sage.
- Huberman, Michael. 1990. "Linkage between researchers and practitioners: A qualitative study." *American Education Research Journal* 27(2):363-391.
- Huberman, Michael. 1989. "On teachers' careers: Once over lightly, with a broad brush." *International Journal of Educational Resources* 13(4):347-361.
- Hunter, John E., and R. Lance Shotland. 1974. "Treating data collected by the "Small World" method as a Markow Process." *Social Forces* 52(3): 321-332.
- Institute for Educational Leadership, Inc. *Collaborative leadership development program: Overview of learning experiences*. Washington DC.
- Institute for Public Policy and Social Research. 1992. *Evaluation of the W.K. Kellogg Lifelong Education Grant to Michigan State University*. (Proposal submitted by Institute). East Lansing.
- Iowa State University. 1989. *Report of the Ad Hoc Committee for the Review of Outreach Programs at Iowa State University*. Ames IA: Iowa State University.

- Iowa State University. 1990. *The Strategic Plan for Iowa State University* (a report to the state board of regents). Ames: Iowa State University.
- Iowa State University. 1991. *Iowa State University of Science and Technology: Strategic Planning Progress*. Ames: Iowa State University.
- Iowa State University. 1992. *Iowa State University of Science and Technology: Strategic Planning Progress*. Ames: Iowa State University.
- Israeli, Eitan. 1991. *Distressed communities: Theoretical and practical considerations*. Papers and Discussions from a special seminar series. Extension Education monograph #1. East Lansing: Michigan State University, Department of Agricultural and Extension Education.
- Jackson, Thomas H. 1993. Excerpt from "The complicated balance between teaching and research at universities." *Policy Perspectives* 4(4) Section B:2-4.
- Jacoby, Itzhak. 1983. "Biomedical Technology: Information dissemination and the NIH consensus development process." *Knowledge: Creation, Diffusion, Utilization* 5(2):245-261.
- Jones, Russel C., Bethany S. Oberst, and Courtland S. Lewis. 1990. "The land grant model: Building U.S. economic competitiveness." *Change* 22(3):11-17.
- Jorgensen, Danny L. 1989. "Participant observation: A methodology for human studies." *Applied Social Research Methods Series* 15:7-131.
- Kashner, James B. 1990. "Changing the corporate culture." In *Managing Change in Higher Education*, 19-28, Douglas W. Steeples. San Francisco: Jossey-Bass.
- Kasper, H. 1986. "Organization-cultural aspects of the promotion of a favourable climate for innovation." In *The Art and Science of Innovation Management*, H. Hubner ed., 47-58. Amsterdam: Elsevier Science Publishers, B.V.
- Keller, George. *Academic Strategy: The management revolution in American higher education*, 72-98, 140-163. Baltimore, MD: The Johns Hopkins University Press. .
- Keren, Michael. 1983. "Barriers to communication between scientists and policy makers." *Knowledge: Creation, Diffusion, Utilization* 5(1):84-98.
- Kneedler, Richard. 1993. "Addressing the future at Franklin & Marshall." Adapted from President Kneedler's remarks to the faculty of Franklin & Marshall College, November 4, 1992. *Policy Perspectives* 4(4) Section B:4-6.
- Knox, Alan B. 1991. *Transformative Dimensions of Adult Learning*. San Francisco: Jossey-Bass.
- Kochan, Thomas A., and Michael Useem. 1992. *Transforming Organizations*. New York: Oxford University Press.

- Lawler, Edward E. III. 1989. "Strategic choices for changing organizations." In Allan M. Mohrman Jr., Susan Albers Mohrman, Gerald E. Ledford Jr., Thomas G. Cummings, Edward E. Lawler III, *et al.* *Large-scale Organizational Change*. San Francisco: Jossey-Bass.
- Ledford, Gerald E. Jr., Susan Albers Mohrman, Allan M. Mohrman Jr., and Edward E. Lawler III. 1989. "The phenomenon of large-scale organization change." In Allan M. Mohrman Jr., Susan Albers Mohrman, Gerald E. Ledford Jr., Thomas G. Cummings,
- Lerner, Richard M. 1982. "Children and adolescents as producers of their own development." *Developmental Review* 2:342-370.
- Lerner, Richard M., and Julia R. Miller. 1991. *Basic research in human development is intervention research: A developmental contextual perspective*. East Lansing: Michigan State University, Institute for Children, Youth, and Families.
- Lester, Ned. 1991. *Virginia Tech off-campus centers*. National Association of State Universities and Land Grant Colleges 104th annual meeting. Blacksburg, VA: Virginia Polytechnic Institute and State University, Continuing Education.
- Levine, Arthur. 1980. "Organizations and innovations: Some answers." In Arthur Levine, *Why Innovation Fails*, 11-25. Albany, NY: State University of New York Press.
- Levy, Amir, and Uri Merry. 1986. *Organizational Transformation: Approaches, Strategies, Theories*. New York: Praeger Publishers.
- Lindquist, Jack. 1974. "Political linkage: The academic-innovation process." *Journal of Higher Education* XLV(5):323-343.
- Lynton, Ernest Albert, and Sandra E. Elman. 1987. "Expanding faculty roles and obligations." In Ernest Albert Lynton, *New priorities for the university: Meeting society's need for applied knowledge and competent individuals*, 132-169. San Francisco: Jossey-Bass.
- MacDougall, Frank C. 1991. *A bibliography on distance education*.
- Mark, Melvin M., and R. Lance Shotland, eds. 1987. *Multiple Methods in Program Evaluation*. San Francisco: Jossey-Bass.
- Massy, William F. 1990. "A new look at the academic department." *Policy Perspectives*, 1-10. The Pew Higher Education Research Program.
- Maurice, Clyde. 1981-1982. "The requisites of coordinative relationships: Notes for practitioners in cooperative education." *Journal of Cooperative Education* XVIII(2):44-56.
- Meyer, Alan D., and James B. Goes. 1988. "Organizational assimilation of innovations: A multilevel contextual analysis." *Academy of Management Journal* 31(4): 897-923.

- Meyer, John W., and Brian Rowan. 1977. Institutionalized organizations: Formal structure as myth and ceremony. In *Organizational environments: Ritual and rationality*, pp. 21-44. John W. Meyer and W. Richard Scott, eds. Newbury Park, CA: Sage.
- Michigan Cooperative Extension Service. 1989. *MCES Study Committee Report*, pp. 1-26, Appendixes A, B, and C. East Lansing, MI: Michigan State University, Cooperative Extension Service.
- Michigan State University. 1973. *The lifelong university—A report to the president*, (114 pages). East Lansing: Michigan State University, Task Force on Lifelong Education
- Michigan State University. 1987. *Michigan State as a lifelong university: Pioneering the land grant model for the learning society of the 21st century*. A proposal submitted to The Kellogg Foundation, Volume I—the Proposal. East Lansing, MI.
- Michigan State University. 1987. *Michigan State as a lifelong university: Pioneering the land grant model for the learning society of the 21st century—appendices*. A proposal submitted to The Kellogg Foundation, Volume II-Appendices. East Lansing, MI.
- Michigan State University. 1987. *Michigan State as a lifelong university: Pioneering the land grant model for the learning society of the 21st century—Summary*. A proposal submitted to The Kellogg Foundation. East Lansing, MI.
- Michigan State University. 1990. *The Michigan Cooperative Extension Service: A statement describing administrative responsibility*. Special Study Committee. East Lansing, MI: College of Agriculture and Natural Resources.
- Michigan State University. 1991. *Pioneering the land grant university for the 21st century*. East Lansing, MI: Michigan State University, Office of the Vice Provost for University Outreach.
- Michigan State University. 1991. *The vision of Michigan State University for the year 2000*. East Lansing, MI: Michigan State University, Office of the Provost.
- Mintzberg, Henry, Raisinghani Duru, and Andre Theoret. 1976. The structure of "unstructured" decision processes. *Administrative Science Quarterly* 21: 246-275.
- Molitor, Fred. Accuracy in science news reporting by newspapers: The case of aspirin for the prevention of heart attacks. *Health Communication*, pp. 1-27.
- Monge, Peter R. 1987. The network level of analysis. In *Handbook of communication science*, pp. 239-270. Charles R. Berger & Steven H. Chaffee, eds. Newbury Park, CA: Sage.
- Monge, Peter R., Richard V. Farace, Eric M. Eisenberg, Katherine I. Miller, and Lynda L. White. 1984. The process of studying process in organizational communication. *Journal of Communication* 34(1): 22-43.
- Moos, Malcolm. 1981. *The post-land grant university: The university of Maryland Report (A Long-Range Planning Study)*. College Park: University of Maryland.

- Motivational Educational Entertainment Productions, Inc. (MEE). *Reaching the Hip-Hop Generation*. Philadelphia, PA: Motivational Educational Entertainment Productions, Research Division.
- Mullen, Robert E. 1986. The cooperative extension service and democracy. *The Rural Sociologist* 6(2): 120-123.
- The National Association of State Universities and Land Grant Colleges. 1986. *Report on the future of the comprehensive state research universities and land grant colleges*.
- National Association of State Universities and Land Grant Colleges. 1989. *State and land grant universities: An American institution*, pp. 8-17, 37-39. Washington, DC.
- Noble, Lucinda, and R. David. Smith. 1990. Cornell cooperative extension—Continuity and change in the university without walls. *New York's Food & Life Sciences Quarterly* 20(4): 17-21.
- Nordvall, Robert C. Innovation, planned change, and transformation. In *Management Innovation and Planned Change*, pp. 303-321.
- Olstrom, Einer, and Howard Miller. 1984. *Plus two score—The cooperative extension service in Michigan 1940 to 1980*. East Lansing, MI: Michigan State University.
- Paarlberg, Don. 1992. The land grant college system in transition. *Choices* 7(3): 45.
- Pelikan, Jaroslav. 1992. *The idea of the university: A reexamination*. New Haven, CT: Yale University Press.
- Peterson, Marvin W., and Theodore H. White. 1992. Faculty and administrator perceptions of their environments: Different views or different models of organization? *Research in Higher Education* 33(2): 177-204.
- The Pew Higher Educational Research Program. 1993. Toward restructuring: Assessing the impact of budgetary constraints on college and university operations. *Policy Perspectives* 4(B): 7-16.
- Phillips, Ione. 1976. *The added dimension: State and land grant universities serving state and local government*. Washington, DC: National Association of State Universities and Land Grant Colleges.
- Poole, Peter P., Dennis A. Gioia, and Barbara Gray. 1989. Influence modes, schema change, and organizational transformation. *The Journal of Applied Behavioral Science* 25(3): 271-289.
- Prawl, Warren, Roger Medlin, and John Gross. 1984. *Adult and continuing education through the Cooperative Extension Service*. Columbia, MO: University of Missouri-Columbia, the Extension Division.

- Price, David W. 1990. Cooperative Extension as community education developer. In *Education through community organizations*, pp. 79-87. Michael W. Galbraith, ed. San Francisco, CA: Jossey-Bass.
- Quinn, Robert E., and Kim S. Cameron. 1988. *Paradox and transformation: toward a theory of change in organization and management*. Cambridge, MA: Ballinger.
- Rasmussen, Wayne D. 1989. *Taking the university to the people: Seventy-five years of Cooperative Extension*. Ames, IA: Iowa State University Press.
- Reichelderfer, Katherine. 1991, June. *Leading land grant university agricultural programs into the 21st century*. Paper presented to the North Central Administrative Development Workshop, University of Nebraska, Institute of Agricultural and Natural Resources.
- Rhodes, Frank H.T. 1990. *The new American university*. Presentation at the Twelfth David Dobbs Henry Lecture Series. Urbana-Champaign, IL: University of Illinois at Chicago.
- Robinson, Terri. Interviews with key MSU administrators (pp. 1-8).
- Robinson, Terri. January 12-13, 1993. *Strategic planning retreat* (Summary, pp. 1-9). East Lansing, MI: Michigan State University, Institute for Children, Youth and Families. Draft copy.
- Rogers, Everett M. 1987. Progress, problems and prospects for network research: Investigating relationships in the age of electronic communication technologies. *Social Networks* 9: 285-310.
- Rogers, Everett M. 1986. Models of knowledge transfer: Critical Perspectives. In *Knowledge Generation, Exchange, and Utilization*, pp. 37-60. George M. Beal, Wimal Dissanayake, and Sumiye Konoshima, eds. Boulder: Westview Press.
- Rogers, Everett M., J.D. Eveland, and Alden S. Bean. 1976. *Extending the agricultural extension model*. Prepared for and with the support of National Science Foundation, Washington, D.C., Palo Alto, CA: Stanford University, California Institute for Communication Research
- Ross, R. Danforth. 1976. The institutionalization of academic innovations: Two models. *Sociology of Education*, Vol. 49, pp. 146-155.
- Rudy, Willis. 1984. *The universities of Europe, 1100-1914: A history*. Rutherford, NJ: Fairleigh Dickinson University Press.
- Sarason, Seymour B., Charles F. Carroll, Kenneth Maton, Saul Cohen, and Elizabeth Lorentz. 1977. *Human services and resource networks*. San Francisco, CA: Jossey-Bass.
- Schaie, K. Warner, and Sherry L. Willis. 1978. Life-span development: Implications for education. *Review of Research in Education*, Vol. 6, pp. 120-156.

- Schuh, G. Edward. 1986. Revitalizing land grant universities: It's time to regain relevance. *Choices* (2nd quarter volume): 6-10.
- Shannon, Daniel W. 1992. Revisiting continuing education at the metropolitan university.
- Smith, Kenwyn K. 1982. Philosophical problems in thinking about organizational change. In *Change in organizations: New perspectives on theory, research and practice*, pp. 316-371. Paul S. Goodman & Associates, San Francisco: Jossey-Bass.
- Smith, M.F. 1989. *Evaluability assessment: A practical approach*. Boston, MA: Kluwer Academic Publishers.
- Stanton, Timothy K. 1991. Liberal arts, experiential learning and public service: Necessary ingredients for socially responsible undergraduate education. *Journal of Cooperative Education XXVII*(2): 55-68.
- Swoboda, Donald W. 1991. *Toward a new era of excellence: An update of the five-year plan of the extension division University of Missouri-Columbia*. (Presented to the Academic Planning Committee and Provost Gerald Brouder). Columbia, MO: University of Missouri-Columbia, Vice Provost Extension.
- Tierney, William G. 1990. *Assessing academic climates and cultures*. San Francisco: Jossey-Bass.
- Tubman, Jonathan G., and Richard M. Lerner. 1991. Life-Span view of human development and adolescent development. In *The Encyclopedia of Adolescence*, pp. 594-600. Richard Lerner, Anne C. Peterson, & Jeanne Brooks-Gunn, eds. New York: Garland Publishers.
- United States Department of Agriculture and Extension Service. *Strategic planning: issue identification and development for the Cooperative Extension System*. (Extension Committee on Organization and Policy, pp. 1-13).
- University of California. 1991. *Report of the university-wide task force on faculty rewards*. Berkeley, CA: University of California, Office of the President.
- The University of Georgia. 1992. *Georgia's plan: Expanding the role of the University of Georgia in lifelong learning*, (pp 1-29). Athens, GA: The University of Georgia, Georgia Center for Continuing Education.
- University of Illinois Urbana-Champaign Senate. 1991. *Annual report of the Senate's committee on continuing education and public service*. Urban-Champaign, IL: Author.
- University of Maryland. 1992. *Responding to the needs of Maryland citizens for off-campus programs*. A report of the University of Maryland System on the Implementation of the Brokering Role of the University of Maryland University College. College Park, MD: University of Maryland.

- University of Missouri. 1992. *Background Information on University Extension*. Columbia, MO: University of Missouri.
- University of Missouri. *MU in the 1990's: Goals and objectives for planning, budgeting and evaluation*. Columbia, MO: University of Missouri.
- University of Nebraska-Lincoln. 1990. *Preparing for the 21st Century: A time for educational excellence and creative partnerships*. Strategic plan for the University of Nebraska-Lincoln. Lincoln, NE: University of Nebraska-Lincoln.
- University of Virginia. 1991. *Plan for the Year 2000: Academic Plan*. Charlottesville, VA: University of Virginia.
- University of Virginia. *The University of Virginia Division of Continuing Education: Reflections on Processes and Prospects*. Charlottesville, VA: University of Virginia, Division of Continuing Education.
- University of Wisconsin, Madison. 1983. *Extension in the '80s: A perspective for the future of the Cooperative Extension Services*. (A report of the Joint USDA-NASULGC Committee, program Development and Evaluation of the Cooperative Extension Service). Madison, WI: University of Wisconsin.
- University of Wisconsin-Madison. 1988. "Public service and outreach." *Self-Study 1*: 125-136.
- University of Wisconsin-Madison. 1989. *Future directions: The university in the 21st century*. Madison, WI: University of Wisconsin-Madison, The Future Directions Committee.
- University of Wisconsin-Madison. 1992. *Strategic planning at UW-Madison with an emphasis on continuous improvement*. Madison: Univ. of Wisconsin, Office of Outreach Development.
- Utah State University. 1989. *Strategic Plan for University Extension: Cooperative Extension and Life Span Learning Programs*. Logan, UT: Utah State University, Joint Strategic Planning Committees of Cooperative Extension and the Life Span Learning Programs.
- Veysey, Laurence R. 1965. *The emergence of the American university*. Chicago, IL: The University of Chicago Press.
- Virginia Polytechnic Institute and State University. 1989. *Strategic Plan: Enhancing people and organizational productivity throughout the commonwealth*. Blacksburg, VA: Virginia Polytechnic Institute and State University, Center for Continuing Education.
- von Hippel, Eric. 1987. Cooperation between rivals: Informal know-how trading. *Research Policy*, No. 16, pp. 291-302.
- Warner, Paul D., and James A. Christenson. 1984. *The cooperative extension service: A national assessment*. Boulder, CO: Westview Press.

- West Virginia University. 1991. *Grass Roots Renaissance: 1991 Annual Report*. Weston, WV: West Virginia University, Cooperative Extension Service.
- Western Rural Development Center. 1991. Helping rural communities pursue economic development: a role for universities and colleges. *Western Wire*, pp. 7-10.
- Western Rural Development Center. 1991. Meeting the challenges of aging: programming opportunities for the extension professional. *Western Wire*, pp. 18-21.
- Whyte, William Foote. 1991. *Social theory for action: How individuals and organizations learn to change*. Newbury Park, CA: Sage Publications.
- Wilhelm, Warren. 1992. Changing corporate culture-or corporate behavior? How to change your company. *Academy of Management Executives* 6(4): 72-77.
- Williams, Thomas "T.T." ed. 1987. *Keys to rural community development...the 1890 land grant universities approach*. Alabama: Tuskegee Institute.
- Winstead, Philip C. 1982. Planned change in institutions of higher learning. In *New directions for institutional research: Effective planned change strategies* 33: 19-31). G. Hipps, ed. San Francisco, CA: Jossey-Bass.
- Yates, Albert C. 1992, March 31. *The University Strategic Plan-FYs 1992-93 through 1995-96* (Memorandum to Dean, Directors and Department Heads at Colorado State University). Fort Collins, CO: Colorado State University, Office of the President.