

RACHEL KAPLAN

- education** Oberlin College, A.B. 1958
University of Michigan, PhD (Psychology) 1962
- positions** NSF Postdoctoral Fellow, 1962-64
- University of Michigan:
School of Natural Resources and Environment:
Associate Professor, 1973-78;
Professor, 1978-
Samuel T. Dana Professor of Environment and Behavior, 2000-
- Department of Psychology:
Lecturer, 1964-77; Associate Professor, 1977-1987
Professor, 1987-
- Doctoral Program in Urban and Regional Planning:
Associate Professor, 1973-78; Professor, 1978-84
- honors,
affiliations** Sinclair Award for Distinguished Contribution
to the Honors Program, College of LS&A (UM), 1969
Honorary member, American Society of Landscape Architecture,
Michigan Chapter
Career Award, Environmental Design Research Association, 1992
(awarded jointly to R. Kaplan and S. Kaplan)
Elected Distinguished Member of Sigma Lambda Alpha,
international landscape architecture honor society, 1993.
EDRA/*Places* Research Award, 1999
Bracken Fellow, Pennsylvania State University, 1999
Fellow, American Psychological Association
Fellow, American Psychological Society
American Association for the Advancement of Science
Environmental Design Research Association
International Association of Applied Psychology
Affiliate Professor, College of Forest Resources, University of Washington
- courses
taught** School of Natural Resources and Environment:
Research Paradigms
Research Methods in Environment and Behavior
PhD Research Forum
Junior Honors Seminar
Environmental Preference
Environment, Natural Resources and Behavior
Seminar on Research on Participation
- Department of Psychology:
Senior Honors Research Seminar
Advanced Laboratory in Environmental Psychology
Junior Honors: Research Methods
Psychology Graduate Proseminar

**current
research
directions**

The multi-faceted significance of the natural environment
to human well-being and effectiveness

Nearby nature -- policy, planning, design

Countering sprawl in the city and at the urban edge

Psychological costs of managing information
and their implications for environmental decision-making

Directed attention as a precious resource

Characteristics of restorative settings

Challenges of information sharing

Expertise as necessary, yet problematic

Enhancing understanding and exploration

Local planning process: Anticipating impacts
of decisions on natural resource

Sources of information about alternatives

Ways to enhance anticipation

Participation and meaningful action:

Bringing out the best in people

Psychological factors in sustainability

Environmental stewardship and local knowledge

**professional
service
activities**

Editorial Review Board, Environment and Behavior (1980 - present)

Editorial Board, Landscape and Urban Planning (1988-91)

Editorial Board, Journal of Architecture and Planning Research (1983 - present)

Editorial Board, Handbook of Environmental Psychology (Wiley)

Special advisor, Journal of Social Issues, Green Justice issue (1994)

Advisory Panel, Consumer participation in Hospital design
for University of Michigan Replacement Hospital (1980-85)

Panel on Aesthetic Attributes in Water Resource Projects,
National Research Council Commission on Natural Resources, 1982

Consultant to Forests Department, Western Australia (1983)

Consultant to Toledo Museum of Art, 1990

Consultant to Brookfield Zoo, 1987

Panel on Research Agenda, Landscape Architecture Foundation, 1984

Participation studies for City of Ann Arbor: Liberty Plaza;

Participation studies for City of Ann Arbor: North Main Corridor

National Advisory Board, NSF Multi-Institutional Research Project
(MIRP) Zoo and Aquarium project, 2004-

Consultant to Logan Simpson Design Inc. on Scenic/visual perception study
for the Lake Tahoe Basin, Tahoe Regional Planning Agency (TRPA), 2003-04

**administrative
assignments**

School of Natural Resources and Environment:

Promotion and Tenure Committee, 1981-82; 1983-91;
 Chair, 1991-96; 1997-2003
 Ombud, 2001-2003
 Executive Committee, 1979-80; 1985-1987; 1987-1988; 1991-93;
 1997-99
 Facilities and Space Committee, 1998-1999
 Dana Renovation and Expansion Committee, 1999-2001
 Resource Policy and Behavior Concentration, Co-chair, 1994-95;
 1995-96
 Faculty search committees, 1975-77; 1980-81; 1985-86
 Chair, Environmental Education Search Committee, 1993-94
 Dean Search Committee, 1990-91
 Academic Affairs Committee, 1994-95; 1995-96
 Research Task Force, Co-Chair, 1983-84
 Research Committee, 1984-85, 1988
 Resource Institutions and Human Behavior, Chair, 1983-84
 Space Committee, 1977-79; Chair, 1979-81; 1983-84

Department of Psychology:

Committee on the Use of Subjects, 1966-82; 1983-85
 Honors Committee, 1966-72; Chair, 1980-82
 Academic Advisor, 1980-82; 1985-88; 1990-91
 Coordinator, Introduction to Psychology as a Natural Science, 1976-78
 Augmented Executive Committee, 1971, 1972, 1973
 Committee on Undergraduate Studies, 1968-71
 Chair, Committee on Curriculum Innovation, 1969-72

LS&A (College of Literature, Science & Arts):

Committee on Interdisciplinary Studies, 1971-78; Chair, 1979-82;
 1984-1996
 Human Subjects Review Committee, 1967-80; Chair, 1980-82
 Honors Council, 1967-73; 1980-82

Rackham (Graduate School):

Urban and Regional Planning Program Committee, 1974-82
 Committee to Review Institute for Public Policy Studies, 1979
 Committee to Review Doctor of Architecture Program, 1987-88
 Rackham Divisional Board (Faculty Grants), 2001-2003

Urban and Regional Planning (now UTEP)

Executive Committee, 1976-79; 1980-82
 Candidacy Committee, 1976-79; 1980-82
 Environmental Analysis and Design, Chair 1980-82
 Environmental Planning, 1983-84
 Analytic Methods, 1975-82; 1983-84

University:

Task Force on Integrity of Research, 1983-84
 Faculty Grievance Board, 1990-94
 Arboretum/Botanical Gardens Merger Committee, 2002-2003
 Building Great Places to Work, Advisory Board, 2002-present

**Funded
Research**
(co-PI)

(Funded by USDA Forest Service unless otherwise noted)

Immediate natural environment and well-being. 1978-83.

The perception of extent and value of the urban forest. 1984-86.

Nature and the human environment. Bloedel Foundation. 1985-87.

Coping with daily hassles: The impact of the nearby natural environment. 1985-88.

Psychological functions of urban nature. 1987-1990.

Management of recreation site modifications and the quality of the visual environment. 1989-1992.

Scene-based data banks for regional analysis of environmental perception. 1989-1993.

Orientation, restorativeness and informational factors in a satisfying museum experience. Toledo Museum of Art; 1991-94.

Wildlife habitat and employee benefits: Phase One.

Wildlife Habitat Enhancement Council, 1992-93.

Urban forestry and urban youth. 1992-96.

The Urban Forestry Design and Management Manual. 1992-97.

Assessing the psychological dimensions of volunteer stewardship programs. 1994-1999.

Preference and restoration: Symbiotic urban forest values. 1994-1998.

The problem of assuming shared images. 1995-1997.

(In collaboration with the University of Washington)

Beyond accessibility: Natural areas and well-being. 1995-1998.

University of Michigan, Office of Vice President for Research

Expertise and patterns of involvement: Factors in attachment to urban ecosystems. 1996-1999.

Relationship between ecosystems and scenic management:

Assessing constituents' perceptions and preferences of forest landscapes. 1996-1999.

Stakeholder perspectives: A cognitive approach to assessing the human dimensions of forest management. 1996-2000.

(In collaboration with the University of Washington)

Social and psychological impacts of residential development patterns at the urban-forest fringe. National Urban and Community Forestry Advisory Council. 1998-2001. (Jointly with University of Washington)

Nearby nature at the urban fringe: Ecological and psychological values. 1999-2003.

Natural resources and decision-making for local planning. 2001-2005.

Making Metropolitan Areas More Livable: Recognizing and Enhancing Underappreciated Natural Resources 2002-2005.

Publications since 1972

R. Kaplan. (1972) The dimensions of the visual environment: Methodological considerations.

In W. J. Mitchell (Ed.) Environmental design: Research and practice. Washington, D. C.: Environmental Design Research Association (EDRA).

S. Kaplan, R. Kaplan and J. S. Wendt. (1972) Rated preference and complexity for natural and urban visual material. Perception and Psychophysics, 12, 354-356.

R. Kaplan. (1973) Some psychological benefits of gardening. Environment and Behavior, 5, 145-152.

R. Kaplan. (1973) Predictors of environmental preference: Designers and "Clients." In W. F. E. Preiser (Ed.) Environmental design research. Stroudsburg, PA: Dowden, Hutchinson and Ross. Pp. 265-274.

R. Kaplan. (1974) Scientist/professor and undergraduate education. Teaching of Psychology, 1, 24-27.

R. Kaplan. (1974) Some psychological benefits of an outdoor challenge program. Environment and Behavior, 6, 101-116.

R. K. Mautz and R. Kaplan. (1974) Residential modifications as a mode of self-expression. In D. H. Carson (Ed.) Man-environment interactions: Evaluations and applications. Pp. 55-65. (Published by Dowden, Hutchinson and Ross, 1975.)

R. Kaplan. (1974) A strategy for dimensional analysis. In D. H. Carson (Ed.) Man-environment inter-actions: Evaluations and applications. Pp. 66-68. (Published by Dowden, Hutchinson and Ross, 1975.)

R. Kaplan, S. Kaplan and H. L. Deardorff. (1974) The perception and evaluation of a simulated environment. Man-Environment Systems, 4, 191-192.

R. Kaplan. (1975) Review of Rolf Jensen's Cities of Vision. Man-Environment Systems, 5, 232-233.

R. Kaplan. (1975) Some methods and strategies in the prediction of preference. In E. H. Zube, R. O. Brush and J. G. Fabos (Eds.) Landscape assessment: Values, perceptions and resources. Stroudsburg, PA: Dowden, Hutchinson and Ross. Pp. 118-129.

R. Kaplan. (1975) Way-finding in the natural environment. In G. T. Moore and R. G. Golledge (Eds.) Environmental knowing: Theories, perspective and methods. Stroudsburg, PA: Dowden, Hutchinson and Ross. Pp. 46-57.

T. R. Herzog, S. Kaplan and R. Kaplan. (1976) The prediction of preference for familiar urban places. Environment and Behavior, 8, 627-645.

R. Kaplan. (1977) Preference and everyday nature: Method and application. In D. Stokols (Ed.) Perspectives on environment and behavior: Theory, research and applications. New York: Plenum. Pp. 235-250.

R. Kaplan. (1977) Patterns of environmental preference. Environment and Behavior, 9, 195-216.

R. Kaplan. (1977) Summer outdoor programs: Their participants and their effects. In Children, nature and the urban environment. USDA Forest Service General Technical Report NE-30. Pp. 175-179.

R. Kaplan. (1977) Down by the riverside: Informational factors in waterscape preference. In River recreation management and research symposium. USDA Forest Service General Technical Report NC-28. Pp. 285-289.

S. Kaplan and R. Kaplan. (1977) The experience of the environment. Man-Environment Systems, 7, 300-305.

R. A. Dewey and R. Kaplan. (1978) Review of Mischel and Mischel Essentials of Psychology. Teaching of Psychology, 5, 53-54.

S. Kaplan and R. Kaplan (Eds.) (1978) Humanscape: Environments for people. Belmont, CA: Duxbury. (Republished by Ann Arbor, MI: Ulrich's, 1982.)

R. Kaplan. (1978) The green experience. Pp. 186-193 in Humanscape.

R. Kaplan. (1978) Participation in environmental design: Some considerations and a case study. Pp. 427-438 in Humanscape.

R. Kaplan. (1979) A methodology for simultaneously obtaining and sharing information. In Assessing amenity resource values. USDA Forest Service General Technical Report RM-68. Pp. 58-66.

R. Kaplan. (1979) Visual resources and the public: An empirical approach. In Proceedings of Our National Landscape Conference. USDA Forest Service General Technical Report PSW-35. Pp. 209-216.

R. Kaplan. (1980) Citizen participation in the design and evaluation of a park. Environment and Behavior, 12, 494-507.

R. Kaplan. (1981) Evaluation of an urban vest-pocket park. USDA Forest Service North Central Forest Experiment Station Research Paper NC-195. 12p.

T. R. Herzog, S. Kaplan and R. Kaplan. (1982) The prediction of preference for unfamiliar urban places. Population and Environment, 5, 43-59.

S. Kaplan and R. Kaplan. (1982) Cognition and environment: Functioning in an uncertain world. New York: Praeger. (Republished by Ann Arbor, MI: Ulrich's, 1989.)

R. E. Coughlin, R. E. Dunlap, R. Kaplan, W. R. Sims, C. Steinitz and H. Vaux. (1982) Assessing aesthetic attributes in planning water resource projects. Environmental Impact Assessment Review, 3, 406-417.

R. Kaplan. (1983) The role of nature in the urban context. In I. Altman and J. F. Wohlwill (Eds.) Behavior and the natural environment. New York: Plenum. Pp 127-161.

R. Kaplan. (1983) Managing greenspace in multiple-family neighborhoods. In Proceedings of the 1982 Convention of the Society of American Foresters. SAF Publication 83-04, Library of Congress Number 83-60910. Pp. 322-326.

- R. Kaplan. (1984) Human needs for renewable resources and supportive environments. In G. A. Bradley (Ed.) Land use and forest resources in a changing environment: The urban/forest interface. Seattle, WA: University of Washington Press. Pp. 133-140.
- D. A. Simmons, J. F. Talbot and R. Kaplan. (1984-85) Energy in daily activities: Muddling toward conservation. Journal of Environmental Systems, 14(2), 147-155.
- R. Kaplan. (1984) Impact of urban nature: A theoretical analysis. Urban Ecology, 8, 189-197.
- J. F. Talbot and R. Kaplan. (1984) The need and the danger: The response to nature in the inner city. Journal of Arboriculture, 10, 222-228.
- R. Kaplan. (1984) Wilderness perception and psychological benefits: An analysis of a continuing program. Leisure Sciences, 6, 271-289.
- R. Kaplan. (1984) Dominant and variant values in environmental preference. In A. S. Devlin and S. L. Taylor (Eds.) Environmental preference and landscape management. New London, Connecticut College. Pp.8-11.
- R. Widmar, D. Simmons, R. Kaplan and R. De Young. (1984) Behavioral approaches to energy conservation in organizations: A selected review of the literature. Council for Planning Librarians, No. 143.
- R. Kaplan. (1984) Assessing human concerns for environmental decision- making. In S. L. Hart, G. A. Enk and W. F. Hornick (Eds.) Improving impact assessment: Increasing the relevance and utilization of technical and scientific information. Boulder, CO: Westview. Pp. 37-56.
- R. Kaplan. (1985) Human response to plants and landscapes. In D. F. Karnosky and S. L. Karnosky (Eds.) Improving the quality of urban life with plants. (Proceedings of the First International Symposium on Urban Horticulture). New York: The New York Botanical Garden. Pp. 45-60.
- R. Kaplan. (1985) Nature at the doorstep: Residential satisfaction and the nearby environment. Journal of Architectural and Planning Research, 2, 115-127.
- R. Kaplan. (1985) The analysis of perception via preference: A strategy for studying how the environment is experienced. Landscape Planning, 12, 161-176.
- J. F. Talbot and R. Kaplan (1986) Judging the size of urban open spaces: Is bigger always better? Landscape Journal, 5(2), 83-92.
- S. Kaplan, F. D. Dale and R. Kaplan (1987) Patterns as hypotheses: An empirical test. In J. Harvey and D. Henning (Eds.) Public environments. Washington, D.C.: EDRA. Pp. 188-193.
- R. Kaplan (1987) Simulation models and participation: Designers and "Clients." In J. Harvey and D. Henning (Eds.) Public environments. Washington, D.C.: EDRA. Pp. 96-102.
- R. Kaplan and S. Kaplan (1987) The garden as restorative experience: A research odyssey. In M. Francis and R. Hester (Eds.) Meanings of the Garden Conference

Proceedings. Davis, CA: Center for Design Research, University of California. Pp. 335-341.

R. Kaplan (1987) Validity in environmental/behavior research: Some cross- paradigm concerns. Environment and Behavior, 19, 495-500.

J. F. Talbot, L. V. Bardwell and R. Kaplan (1987) The functions of urban nature: Uses and values of different types of urban nature settings. Journal of Architectural and Planning Research, 4, 47-63.

R. Kaplan and E. J. Herbert (1987) Cultural and subcultural comparisons in preferences for natural settings. Landscape and Urban Planning, 14, 291-295.

R. Kaplan and E. J. Herbert (1988) Familiarity and preference: A cross- cultural analysis. In J. L. Nasar (Ed.) Environmental aesthetics: Theory, research and application. New York: Cambridge University Press. Pp. 379-389.

R. Kaplan and J. F. Talbot (1988) Ethnicity and preference for natural settings: A review and recent findings. Landscape and Urban Planning, 15, 107-117.

R. Kaplan (1988) Illusory explication: Some comments on "Unnatural illusions." Landscape Journal, 7, 206

S. Kaplan and R. Kaplan (1989) The visual environment: Public participation in design and planning. Journal of Social Issues, 45, 59-86.

R. Kaplan and S. Kaplan (1989) The experience of nature: A psychological perspective. New York: Cambridge University Press.

R. Kaplan, S. Kaplan and T. J. Brown (1989) Environmental preference: A comparison of four domains of predictors. Environment and Behavior, 21, 509-530.

R. Kaplan (1989) The tension between development and open space: Insights from public participation. In G. Hardie, R. Moore and H. Sanoff (Eds.) Changing paradigms. Oklahoma City: Environmental Design Research Association. Pp. 193-198.

R. Kaplan (1990) Collaboration from a cognitive perspective: Sharing models across expertise. In R.I. Selby, K. H. Anthony, J. Choi and B. Orland (Eds.) Coming of age. Oklahoma City: Environmental Design Research Association. Pp. 45-51.

B-E. Yang and R. Kaplan (1990) The perception of landscape style: A cross-cultural comparison. Landscape and Urban Planning, 19, 251-262.

R. Kaplan and S. Kaplan (1990) Restorative experience: The healing power of nearby nature. In M. Francis and R. T. Hester, Jr. (Eds.) The meaning of gardens. Cambridge, MA: MIT Press. Pp. 238-244.

R. Kaplan (1990) Review of I. Altman and E. H. Zube (Eds.) Public places and spaces (Human behavior and environment: Advances in theory and research, Vol. 10). Journal of Environmental Psychology, 10, 290-292.

J. F. Talbot and R. Kaplan (1991) The benefits of nearby nature for elderly apartment residents. International Journal of Aging and Human Development, 33, 119-130.

- R. Kaplan (1991) Environmental description and prediction: A conceptual analysis. In T. Gärling and G. Evans (Eds.) Environment, cognition and action: An integrative multidisciplinary approach. New York: Oxford University Press. Pp. 19-34.
- R. Kaplan (1992) The psychological benefits of nearby nature. In D. Relf (Ed.) The role of horticulture in human well-being and social development. Portland, OR: Timber Press. Pp. 125-133.
- R. Kaplan (1993) Environmental appraisal, human needs, and a sustainable future. In T. Gärling and R. G. Golledge (Eds.) Behavior and environment: Psychological and geographical approaches. Amsterdam, Netherlands: Elsevier Science Publishers. Pp. 117-140.
- R. Kaplan (1993) Physical models and mental models: Some theoretical and methodological issues. In R. W. Marans and D. Stokols (Eds.) Environmental simulation: Research and policy issues. New York: Plenum. Pp. 61-86.
- R. Kaplan (1993) The role of nature in the context of the workplace. Landscape and Urban Planning, 26, 193-201.
- J. F. Talbot, R. Kaplan, F. E. Kuo, and S. Kaplan (1993) Factors that enhance effectiveness of visitor maps. Environment and Behavior, 25, 743-760.
- R. Kaplan (1993) Urban forestry and the workplace. In P. H. Gobster (Ed.) Managing urban and high-use recreation settings. St. Paul, MN: Forest Service, USDA. General Technical Report NC-163. Pp. 41-45.
- J. F. Talbot and R. Kaplan (1993) Preferences for nearby natural settings: Ethnic and age variations. In P. H. Gobster (Ed.) Managing urban and high-use recreation settings. St. Paul, MN: Forest Service, USDA. General Technical Report NC-163. Pp. 93-97.
- R. Kaplan (1995) Informational issues: A perspective on human needs and inclinations. In G. A. Bradley (Ed.) Urban forest landscapes: Integrating multidisciplinary perspectives. Seattle: University of Washington Press. Pp. 60-71.
- R. Kaplan, L. V. Bardwell, H. A. Ford, and S. Kaplan (1996) The corporate back-40: Employee benefits of wildlife enhancement efforts on corporate land. Human Dimensions of Wildlife, 1(2), 1-13.
- R. Kaplan (1996). The small experiment: Achieving more with less. In J. L. Nasar and B. B. Brown (Eds.) Public and private places. Edmond, OK: Environmental Design Research Association. Pp.170-174.
- R. Kaplan, S. Kaplan, and R. L. Ryan (1998) With people in mind: Design and management of everyday nature. Washington, DC: Island Press.
- R. Kaplan (1998) The scientist/professor and undergraduate education. Teaching of Psychology, 25, 173-176. (originally published in 1974; featured for journal's 25th anniversary.)
- A. R. Kearney, G. Bradley, R. Kaplan, and S. Kaplan (1999) Stakeholder perspectives on appropriate forest management in the Pacific Northwest. Forest Science, 45, 62-73.

- J. P. Marsden and R. Kaplan (1999) Communicating homeyness from the outside: Elderly people's perceptions of assisted living. In B. Schwarz and R. Brent (Eds.) Aging, autonomy and architecture: Advances in assisted living. Baltimore: The Johns Hopkins University Press. Pp. 207-228.
- T. J. Brown, R. Kaplan, and G. Quaderer (1999) Beyond accessibility: Preference for natural areas. Therapeutic Recreation Journal, 23(3), 209-221.
- T. R. Herzog, E. J. Herbert, R. Kaplan and C. L. Crooks (2000) Cultural and developmental comparisons of landscape perceptions and preferences. Environment and Behavior, 32, 323-346.
- R. Grese, R. Kaplan, R. L. Ryan, and J. Buxton (2000) Psychological benefits of volunteering in stewardship programs. In P. Gobster and B. Hull (Eds.) Restoring nature: Perspectives from social science and humanities. Covello, CA: Island Press. Pp. 265-280.
- R. Kaplan (2001) Nature in the eye of the beholder. Michigan Quarterly Review, 15(1), 207-217.
- R. Kaplan (2001) The nature of the view from home: Psychological benefits. Environment and Behavior, 33, 507-542.
- R. L. Ryan, R. Kaplan, and R. E. Grese (2001) Predicting volunteer commitment in environmental stewardship programs. Journal of Environmental Planning and Management, 44(5), 629-648.
- R. Kaplan (2001) Some psychological benefits of nearby nature. In M. R. DeHart and J. R. Brown (Eds.) Horticultural therapy: A guide for all seasons. St Louis, MO: National Garden Clubs. Pp. 8-11. (Adapted from R. Kaplan, 1992)
- R. Kaplan and S. Kaplan (2002) Adolescents and the natural environment: A time out? In P. H. Kahn, Jr. and S. R. Kellert (Eds.) Children and nature: Theoretical, conceptual, and empirical investigations. Cambridge, MA: MIT Press. Pp. 227-257.
- M. E. Austin and R. Kaplan (2003) Resident development in natural resource management: Open space conservation design in practice. Local Environment, 8(2), 141-153.
- M. E. Austin and R. Kaplan (2003) Identity, involvement, and expertise in the inner city: Some benefits of tree planting projects. In S. Clayton and S. Opatow (Eds.) Identity and the natural environment. Cambridge, MA: MIT Press. Pp. 205-225.
- S. Kaplan and R. Kaplan (2003) Health, supportive environments and the reasonable person model. American Journal of Public Health, 93(9), 1484-1489.
- J. Kim and R. Kaplan (2004) Physical and psychological factors in sense of community: New urbanist Kentlands and nearby Orchard Village. Environment and Behavior, 36(3), 313-340.
- R. Kaplan and M. E. Austin (2004) Out in the country: Sprawl and the quest for nature nearby. Landscape and Urban Planning, 69(2-3), 235-243.
- R. Kaplan, M. E. Austin and S. Kaplan (2004) Residents' perception of open space: Comparison of traditional and open space communities. Journal of American Planning Association, 70(3),

R. Kaplan (in press) The social values of forests and trees in urbanized societies. In C.C. Konijnendijk, N.E. Koch, K. H. Hoyer, and J. Schipperijn (Eds.) Forestry serving urbanised societies. (Proceedings of the IUFRO European Regional Conference, 27-30 August 2002, Copenhagen), Hoersholm, Denmark: Skov & Landskab.)