

Foreword by Editors	iii	Built Form and Culture	49
Acknowledgments	iv	The Zoroastrian House and the Islamic House: A Comparative Cultural Analysis	51
List of Reviewers	v	Sanjoy Mazumdar and Shampa Mazumdar	
OPENING ADDRESS	1		
WHAT IN THE WORLD IS GOING ON? William Van Dusen Wishard Keynote Address	2	Abstracts of Papers Presented:	
GENERAL PLENARY	9	Culture, Place and Female Identity in African Traditional Architecture	60
THE ISSUE OF IMAGES John Archea	11	K. C. Arceneaux	
<i>Have we reached the vision of 1969?</i>	15	The South China Village: Lessons for the West	60
Henry Sanoff	15	Jonathan Hammond	
Gary Moore	16	Changing Paradigms	61
Wolfgang Preisler	18	Paradigm Lost: Exploring Possibilities in Environmental Design Research and Practice	62
Gary Winkel	18	Guido Francescato	
Michael Brill	19	People and Paradigms	68
<i>What do we know; what don't we know?</i>	21	Stuart Aitken and James L. Sell	
Amos Rapoport	21	The Need for Intermediate Level Paradigms	75
Sue Anne Lee	22	Thorbjorn Mann	
Sue Wiedemann	23	Beyond Theoretical Purism: The Search for an Integrated Paradigm in Environmental Meaning Research	82
<i>Do the paradigms by which we operate inhibit our understanding and development?</i>	24	Carole Despres	
Linda Schneekloth	24	Abstracts of Papers Presented:	
Mina Gottlieb	26	Beyond Words: The Value of Intuition in Design and Research	88
Irwin Altman	26	Barbara Sandrisser	
<i>Brill from EDRA 50</i>	29	Education	89
Papers/Abstracts	31	The Significance of the Educational Philosophies of Walter Gropius for Future Design Curricula	90
Symposium: Architectural Theory as a Basis for Environmental	32	Brian H. Dunbar	
Design Research: An Emerging Paradigm?		Ideology, Culture and the Design Studio	95
Linda Groat, Carole Despres, Julia Robinson, Anne Vernez Moudon, Jon Lang		Anthony Ward	
Analyzing Compositional Principles in the Service of Environmental Design Research	33	Undergraduate Research Experiences in Interior Design and the Study of the Built Environment	103
Linda N. Groat		Marjorie Inman, Diane Davis, Kenneth Tremblay, Jr., and Lawrence Bamford	
The Role of Typomorphological Studies in Environmental Design Research	41		
Anne Vernez Moudon			

Environment and Self-Concept	109	Image & Symbolism	163
Making "Open Spaces" That Work: Research and Guidelines for Natural Areas in Medium-Density Housing	110	Symbolic Meanings of Building Style in Small Suburban Offices	165
Janet Frey Talbot and Lisa Bardwell		Jack Nasar and Junmo Kang	
The Entry Experience: Preferences of the Mobility-Impaired	116	Visual Attributes of Environments Perceived to be Unsafe	173
Brodie Ann Bain		Maha Kirk	
Abstracts of Papers Presented:		Abstracts of Papers Presented:	
Artificial Environments	122	Analysis of the Image for Visual Environments of the Port Cities in Japan: Comparison between the Media and the Residents' Image	178
Piera Scuri		Mashashi Kawasaki	
Intentions of Architects, Appropriation and Well-Being	122	Methods of Appropriation and Symbolic Elements in Industrial Spaces	178
Rotraut Walden-Hutter		Marta Aslan	
Environmental Techniques	123	Participation	179
Building Typologies: An Inquiry	124	Making Design Accessible: An Analysis of Case Studies Advocating Participatory & Collaborative Architectural Design Processes	181
Lynda Schneekloth and Ellen Marie Bruce		Jeffrey Lackney	
Sketching in Design: Past, Present and Future	132	The Tension Between Development and Open Space: Insights From Public Participation	193
Gabriela Goldschmidt		Rachel Kaplan	
Abstracts of Papers Presented:		Abstracts of Papers Presented:	
Urban Morphology and Institutions: A Study of the Chowk of Lucknow, India	138	Measurement, Analysis, Optimisation and Design: A Tool for User Participation in the Design of Floor Plans	198
Sanjoy Mazumdar		K. J. Veldhuisen	
Environments of Elderly	139	The Whakatane Project	198
Consideration of Downtown Living by the Elderly	141	Anthony Ward	
Raedene Combs		Symposium: Phenomenology as a Paradigm?	199
Long-Term Care Environments and Habituation Theory: The Dilemma of Environmental Stimulation	148	Phenomenology as a Paradigm:	200
Carolyn Norris-Baker and Rick Scheidt		Robert Mugerauer, David Seamon and Linda Groat	
Identity and Milieu--A Study of Relocation Focusing on Reciprocal Changes in Elderly People and Their Environment	155	Phenomenology: Romantic Nostalgia or A New Way of Seeing?	201
Tadashi Toyama		Robert Mugerauer	
Abstracts of Papers Presented:		Placemaking	207
Shared and Congregate Housing: Visible Alternatives for the Rural Midwest	162	An Examination of the Perception of Sense of Place Through Video	208
Arvid Osterberg, Linda Lamb, Yung Yuan Wang		John Eric Holloway	

Expectations of Rural Population from Visual Environment in Israel Shaul Amir and Grit Cafri-Cohen	216	The Affective Landscape: Discovering Forest Values Marcia J. McNally	274
Past Environments and Past Stories in Human Effectiveness and Well Being Stephen Kaplan	223	User Behavior	279
Placemaking, Order and Spontaneity John Motloch	229	Effects of Housing Deficits on Physical Illness and Psychological Stress Symptoms of Single Mothers Sheila Baillie	280
Programming and Facility Management	239	Queuing Theory in the Analysis of Public Restroom Use and Behavior: Implications for Research, Design, Management, and Public Policy Sandra Rawls and Savannah Day	286
Facility Management: The Challenge of Professional Education Scott Danford	240	Abstracts of Papers Presented:	
Abstracts of Papers Presented:		Environments for the Incarcerated Juvenile: Changing Paradigms Patrick Sullivan	292
Integrating Research, Programming and Design: An Initial Effort Eric Heggen	244	Symposium: What is Scholarship in Environmental Design?	293
Design Programming for Cultural Factors Theodore Lundy	244	What is Scholarship in Environmental Design? Andrew D. Seidel, John Archea, James M. Mayo, Robert Riley	295
Programming for Innovation: The Planning of Santa Maria del Force, Florence Thorbjørn Mann	244	Workplace	297
Site Interpretation	245	A New Look at an Old Product: Reframing Systems Furniture as Technology Peter McLennan, Sheila Danko and Edward Ostrander	298
Children's Environmental Values and Knowledge in an Indian Setting Amita Sinha	246	Perceptions of the Workplace and Perceptions of the Worker: A Potentially Practical Example of the Influence of Environmental Setting on Personal Identity Paul Cherulnik	309
Children's Experiences with Vegetation on School Grounds, Their Botanical Knowledge and Environmental Dispositions Margarete Harvey	256	The Physical Setting as a Scarce Resource in Organizations: A "Modes of Transaction" Framework for Analysis Martha O'Mara	313
Zoning and Diversity in Single- Family Neighborhoods: A Study of Residents' Housing and Service Preferences Janet Frey Talbot	264	Abstracts of Papers Presented:	
Symposium:Tapping the Affective Domain in Person-Place Relations	271	Japanese Workers' Evaluation of Office Environments Masato Ujigawa	318
Tapping the Affective Domain in Person-Place Relations Clare Cooper Marcus, Randolph T. Hester and Marcia J. McNally	272		

Posters	319	Gerontology Network Workshops: Case Studies as a Technique in Aging-Environmental Research	329
Adapting the Bedroom of Individuals with Service Handicaps: Improving Life Satisfaction and Self- Sufficiency	320	Margaret P. Calkins, Uriel Cohen, Gerald Weisman and David Høglund	
Assisted Living	320	Design for Dementia: Past Progress and Future Directions	329
Mary Kalymun		Margaret P. Calkins, Uriel Cohen, Mary Kalymun and Gerald Weisman	
Change in Building Function and Building Memorableness	320	Internet Network Workshops: Design Research in the Office Furnishings Industry: Alternative Corporate Views	330
R. Steven Schiavo and Shirley McWalter		James A. Wise, Paul Cornell, Neil Goldberg, Leonard Kruk, Dominick De Santis	
Interior Design Education and E/B Research	321	The Status of Environment / Behavior in Interior Design Research, Education and Practice	330
Margaret Serrato		Roberta K. Mauksch, Marjorie Inman, Margaret Serrato and Mary Shiffer	
Transactional Determinants of Perceptions of the Streetscape	321	Participation Network Workshop: Advances in Participation and Action-Research	331
Hirofumi Minami, Takiji Yamamoto, Kenji Kono, Hidemi Sawada and Naoki Yoshida		Mark Francis, Abe Wandersman, Leanne Rivlin, Henry Sanoff, David Stea and Irwin Altman	
Transfer of E/B Information in the Design Process: The Case of a School Playground for Handicapped Children	322	Participation Network Women and Environment Network Round Table	331
Joost van Andel		Nina Gottlieb and Lynn Paxson	
Videos	323	Post-Occupancy Evaluation Network Workshops: Exploring Methods and Issues in Large Scale, Cross-Cultural POE's: A Working Session	331
Examining the Effects of Color in Confined Spaces with Implications for NASA's Space Module	325	Joan Harvey, Richard Wener, James Anderson	
Nancy Kwaliek and Carol M. Lewis		The Tale of the POE: The Past Twenty and the Next Twenty Years	332
People and Paradigms	325	Kathryn H. Anthony, Robert I. Selby, Min Kantrowitz, Wolfgang Preisler, Craig Zimring	
Stuart Aitken and Jim Sell		Women and Environment Network Workshop Gender Issues in Housing: Changing Paradigms for Research and Policy	333
Sense of Place in Italian Cities	325	Lynne C. Manzo, Sherry Ahrentzen, Helen Clark, Susan Saegert and Jackie Leavitt	
John L. Motloch			
Network Sessions	327		
Children and Youth Environments Network Workshop: Environments and Adolescence: Defining Core Issues for Environmental Research and Design	328		
Michael K. Conn, Louise Chawla, Dan Iacafano, Patsy Eubanks Owens			
Cultural Aspects of Design Network Workshop: A Review of Research into Cultural Aspects of Environments	328		
Setha M. Low, Denise Lawrence and David Saile			

Working Groups	335
Working Group 1	
Working Group 3	
Working Group 4	
Working Group 5	
Working Group 6	
Working Group 7	
Working Group 8	
Working Group 9	
Working Group 10	
Individual Vision Statements	345
Author Index	449
Subject Index	450