

iii EDITORS' INTRODUCTION

vi ACKNOWLEDGEMENTS

KEYNOTE ADDRESS

- 3 The Uses of Literacy in Architecture
David Lewis

PAPERS AND ABSTRACTS

CROSS-CULTURAL ISSUES

Papers

- 15 Notes on the Islamic City: Aspects of Physical and Non-Physical Structure
Nezar Alsayyad
- 23 Cost of Not Knowing the Changing Priorities of Dwellers in an Old Town
Nigan Bayazit
- 31 An Exploratory Study of the Conceptualization of Architectural Tradition of Korea in Terms of the Koreans' Spatial Behavior
Jaepil Choi

Abstracts

- 43 The Case of the Middle Eastern Desert City
Paul Gabriel
- 43 The Fabrication of a Traditional Architecture: Current Trends on the Cycladic Island of Kythnos
Christos A. Saccopoulous and Kathleen A. Saccopoulous

DESIGN RESEARCH METHODS

Papers

- 47 The Cost of Knowing: A Call for Examining Categories in Environmental Design Research
Karen A. Franck
- 55 Effects of Computer Simulated Environmental Variables on Wayfinding Accuracy
Michael J. O'Neill

Abstracts

- 67 Scale Models in the POE Process: How They Strengthened the POE's of Two Public Housing Sites
Robert Selby and Susan Edwards

EDUCATION AND DESIGN PROCESS

Papers

- 71 The Costs and Benefits of One Architectural Competition
Richard Hoag and Diane Favro
- 77 The Shaping of Design Values: Case Studies on the Trade Magazine
Jack L. Nasar

Abstracts

- 87 Student Understandings of the Content of Architecture: Things Teachers Should Know
J. William Carswell and Donna Luckey
- 87 A Pluralistic Learning Environment
Robert Hogan, Donna Young, and William Schillig

ENVIRONMENTAL COGNITION

Papers

- 91 Stress and Properties of the Physical Environment
Gary W. Evans, Sheldon Cohen, and Penny Brennan
- 99 The Social Meaning of Civic Space
Charles T. Goodsell
- 107 Situational Determinants of Reactions to an Intrusion
Lois M. Haggard
- 115 Recovery from Stress During Exposure to Everyday Outdoor Environments
Roger S. Ulrich and Robert F. Simons
- 123 Structure and Meaning in the Cinematic Environment
Allan D. Hallis

Abstracts

- 133 A Study of Pedestrian Path Choice
Kunio Funahashi

- 133 Psychological Response to Environment: Environmental Perception, Cognition, Meaning and Symbolism
Tommy Garling and
Reginald G. Gollledge
- 134 A Feasibility Study on the Placement of Egress Signage
John P. Keating
- 134 The Effect of Time Pressure and Emotion (Stress) on the Decision Process of Route Selection During Fire Emergencies
Filiz Ozel

HOUSING

Papers

- 137 "If I Can't Change My Home, I'll Just Change My Mind": Residential Adaptation Among Female-Headed Families
Sherry Ahrentzen
- 145 In Search of Rental Accommodation: Sequential Decision-Making Stages and Housing Attribute Discrimination in Renters' Home Selection
Stuart C. Aitken
- 155 Vandalism: The Price of a Praised Paperclip
Theo J. M. van der Voordt, and
Herman B. R. van Wegen

Abstracts

- 167 Kresge College, UCSC: Factors Related to Continued Residence
Nubra Floyd
- 167 The Marketability of High-Rise Integrated Housing
Marc Fried and Anthony Buono
- 163 Plot Size and the Determining Factors as Regards the Type of Housing Unit
Vimolsiddhi Horayangkura
- 163 Home as the Workplace Within the Setting of the Bed and Breakfast Home
Karin Tetlow
- 169 The Double Blindness of Theory and Practice: The Case of the Mobile Home
Allan D. Wallis

OFFICES

Papers

- 173 The Importance of Office Closure versus Quality in Job Selection
Franklin D. Becker and
Monty L. Lynn
- 179 The Open Office Revisited
Henry Sanoff
- 187 Activity Analysis: A Case Study of a New Trend in Office Planning
David Tong and Peter Ellis

Abstracts

- 195 Case Study: Designing for Privacy in an Orthopedic Surgeon's Office in an Contributory Building in an Urban Historic District
Carla D. Dumesnil
- 195 Towards a New Office Planning Vocabulary
Terry Trickett

SPECIAL POPULATIONS

Papers

- 199 Design and Dysfunction: Social Aspects of Housing for the Elderly
Thomas O. Blank
- 207 Barrier-Free Design in Housing: The Policy Context and Process
Peter A Dunn
- 215 Community Clustered Housing for Older People: A Review of the Literature and Some Design Recommendations
Gary T. Moore
- 225 Visual Impairment and Mobility: Some Research and Design Considerations
Romedi Passini
- 231 Senior Centers: A Process Description of Literature Evaluation, Walk-through Post Occupancy Evaluations, A Generic Program and Design for the City of Albuquerque
Wolfgang F. E. Preiser, and
Richard R. Pugh
- 241 Detectable Tactile Surface Treatments
Ed Steinfeld, Gary Richmond, and
Jon Sanford

Abstracts

- 249 Residents' Views of the Outdoor Spaces at Village Woods
Dorothy I. Butterfield
- 249 Establishing a Horticultural Therapy Program and Outdoor Garden at the Jewish Home of Central New York
Diane McDonough
- 250 The Challenge of Normalization in the Transformation of Institutional Settings for the Developmentally Disabled
Michael S. Owen
- 250 Expectations of and Adaptations to Multi-Living Arrangements by the Older Adult: A Post-Occupancy Case Study
Margie Sinn and Marge Inman

USER AND COMMUNITY PARTICIPATION Papers

- 253 Evaluating the Effectiveness of Main Street Revitalization in Three Western Towns
Edward A. Cook
- 259 The Image of Post Office Buildings: First Findings - Focus Group
Min Kantrowitz, Jay Farbstein, and Brian Schermer
- 267 The Felton Town Plan: A Participatory Village Masterplan
Jeff Oberdorfer
- 281 The Alternative Aotea Centre Project, Auckland, New Zealand
Anthony Ward and John Hunt
- 291 Participation Based Pattern Generation for Regional Character Planning
Ron Widmar

Abstracts

- 301 User-Based Design Principles for Museums: A Case Study
Uriel Cohen and Ruth McMurtry

SYMPOSIUM

- 304 Building Regulations and Systematic Inquiry (Summary of the Symposium)
Stephen T. Margulis
- 305 Architecture as an Instrument of Public Health: Mandating Practice Prior to the Conduct of Systematic Inquiry
John Archea and
Bettye Rose Connell
- 311 The Relationship Between Building Regulations and Building Performance: Structural Safety, Electrical Safety and Fire Safety
David B. Hattis
- 317 The Evidential Status of Selected Fire Safety Code Provisions
Stephen T. Margulis and
Fred I. Stahl
- 323 ANSI A117A.1, A Case Study in the Development of a Research Based Building Accessibility Standard
Edward Steinfeld
- 329 Who's to Know: A Discussion of Four Papers on Using Knowledge in the Regulatory Process

WORKSHOPS

- 337 Workshop on Modeling Environmental Change: Directions for Theory Development, Research and Design
Irwin Altman
- 338 Culture and the Discovery of Environmental Structure: A Workshop on the Teaching of the Cultural Aspects of Environmental Design
Maurice Amiel
- 339 Teaching Programming, Research and Design: Three Worlds or One?
Kathryn Anthony
- 340 Post Occupancy Evaluation of the Florida A&M School of Architecture Building
Craig Zimring, Coordinator
- 341 Greece and Turkey: Comparative Studies in Built Form and Culture II
Georgia Bizios
- 342 Diversity of People and Places as an Environmental Issue
Maxine Wolfe, Coordinator

- 343 Sharing Research Concerns About the Design of Group Homes for the Developmentally Disabled
Dorothy I. Butterfield and Marcie Feuerstein
- 344 When a Little Knowledge is a Dangerous Thing: Examples From the Design of Buildings for Emergencies
David Canter and John Archea
- 345 Judging Our Peers: Dilemmas and Criteria
Janet R. Carpman
- 346 Hospital Research and Design: Reports of Recent Projects
Janet R. Carpman and Myron Grant
- 347 Addressing the "Costs" to Cities Through Urban Environmental Design Administration
Andrew Euston
- 348 Building Types: What Are They and Why Do They Matter?
Karen A Franck
- 349 Stamping Out Better Cookies: A Case Study of POE's as Part of the Planning-Through-Building Activation Process for a Client That Needs Buildings by the Caseload
Cheryl Fuller and Mark Goldman
- 350 The Canadian Hospital Design Evaluation Project: A Model for Organizational Change
Robert Shibley and Gary Winkel, Moderators
- 351 Impact of a Behaviorally Designed Treatment Environment on an Alcohol and Drug Addicted Population: Ten Years at Morris Village
John A. Ingram
- 352 Plan and Design of the Built Environment for Optimum Use by the Older Adult
Marjorie Inman, Moderator
- 352 Design as Inquiry
Michael A Jones, Organizer
- 353 Knowing, Caring, and Acting: The Role of Advocacy in Environmental Research, Design and Planning
Stephen Marc Klein, Coordinator
- 354 Design and Democracy: Developing a Critical Framework for Participatory Decision Making
Stephan Marc Klein
- 355 Generational Interdependence in the Built and Social Environment
M. Powell Lawton, Organizer
- 356 Combining Experience and Empiricism in Teaching about Culture and Place
Setha Low
- 356 Homes and Gardens: The Multiple Meanings of Objects and Personalization In and Around the Dwelling
Clare Cooper Marcus, Chair
- 357 Success Stories: Researcher-Designer-User Collaboration and the Environments That Resulted
Clare Cooper Marcus, Chair
- 357 Applications of Video (VTR) Technology to Environmental Design: The Cost of Not Knowing and Not Using
James D. Mertes
- 358 Applications of Research to the Design of Alternative Housing for Older People
Gary T. Moore
- 359 Advances in Environment-Behavior-Design Theories
Gary T. Moore and Ervin H. Zube, Organizers
- 360 Perception of the Changing Rural Landscape
Sue Weidemann, Coordinator
- 361 Publishing Environment Behavior Research
Joseph O'Reilly
- 362 A Critical Examination of Measures and Concepts Used in the Programming of Adjacency Requirements
Robert T. Osgood and Stephen T. Margulis
- 363 Workshop on the Role of the Courts in Determining Responsibility and Costs for Building-Related Accidents
Jake Pauls
- 364 Impact Assessment and Design Research Workshop
Alan L. Porter
- 365 Residential Satisfaction in Open Choice Situations: Bridging Theory and Practice for Education
Lou Sauer

- 366 Workshop - Applications of Micro-computer and Video Technology in Environmental Design Research
Session 1: Microcomputer and Video-Disc Simulations
Jonathan Sime, Chair
- 367 Designing for the Visually Impaired: A Workshop
Richard Wener
- 368 Responding to Behavioral Requirements of the National Architectural Accrediting Board
Craig Zimring, Chair
- 370 Advances in Professional Applications of Environment-Behavior-Design Research
Ervin H. Zube and Gary T. Moore, Organizers

FIELD WORKSHOPS

- 373 Wesley Woods: Sociopetal Space Revisited
John Archea and Joan Harvey, Organizers
- 374 Costs of Prison Crowding: Planning, Design, and Management Concerns
James Hassinger and Roger Thompson
- 375 Zoos and Environment Behavior Research
Joseph O'Reilly
- 377 Office Futures: Workplace Technology and Behavior
Jean Wineman and Craig Zimring, Organizers

POSTERS

- 381 Lowering the Cost of Knowing, Three Dimensional Modeling for Architectural Design and Research
Jeremy Anderson
- 381 Participation in Practice
Robert Ansell
- 382 Format for Writing Case Studies: Design Project Development Translation into Social Science Research Format
Carla D. Dumesnil
- 382 Modifying the Concept of the Earth-Sheltered Habitat
Jonathan Miller
- 383 A Multi-Disciplinary Planning Approach to Correctional Facilities in the Year 2000
Mark Miszuk
- 383 The Facade is Fake: Perceptions of the Occupied Look Program
Ruth A. Rae
- 384 Cultural Memory in the Environment
Kathleen R. M. Stumpf
- 384 The Failure of Design Awards in a Performance-Oriented Society
Stephen Verderber

FILM AND VIDEO PRESENTATIONS

- 387 Mock-Trial: Litigation Following an Injury in an Fall on a Residential Stair
Jake Pauls
- 387 The Character of Place: Rural Environments in the City
Tanya K. Schneider
- 388 An Analysis of the Environmental Impact of Views
Richard William Taylor

390 DESIGN PROJECTS

395 SUBJECT INDEX

398 PARTICIPANT INDEX