COMMUNITY DEVELOPMENT SERIES

Series Editor: Richard P. Dober, AIP

Volumes Published and in Preparation


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URBAN PLANNING THEORY/Edited by Melville C. Branch

NEIGHBORHOOD SPACE/Randolph T. Hester

PLANNING FOR AN AGING SOCIETY/Edited by M. Powell Lawton, Robert J. Newcomer, and Thomas O. Byerts

ENVIRONMENTAL KNOWING: Theories, Research, and Methods/Edited by Gary T. Moore and Reginald G. Golledge

MIXED LAND USE: From Revival to Innovation/Dimitri Procos

EDRA Conference Publications

EDRA 1/Edited by Henry Sanoff and Sidney Cohn

EDRA 2/Edited by John Archea and Charles M. Eastman

ENVIRONMENTAL DESIGN RESEARCH, VOL. I: Selected Papers/Edited by Wolfgang F. E. Preiser

ENVIRONMENTAL DESIGN RESEARCH, VOL. II: Symposia and Workshops/Edited by Wolfgang F. E. Preiser

MAN–ENVIRONMENT INTERACTIONS: Evaluations and Applications, Parts I, II, and III/Edited by Daniel H. Carson

RESPONDING TO SOCIAL CHANGE/Edited by Basil Honikman

THE BEHAVIORAL BASIS OF DESIGN, BOOK 1: Selected Papers/Edited by Peter Suedfeld and James A. Russell
EDRA AND THE SOCIAL IMPERATIVE

Don Conway, AIA
Chairperson, EDRA, Inc.

What a remarkable set of circumstances it was that brought Henry Sanoff, Ray Studer, Sid Cohn and a few other stray souls together in the late 1960's to create EDRA. Remarkable, it seems to me, because if one had attempted to chart the course of EDRA and the changes in American society from that date in the 1960's to today, with the intent of making the values of EDRA and Society join up in space/time, as it were, it would have seemed an impossible undertaking indeed. And yet, as I view things, this fragile meeting in time has taken place.

Consider, for a moment, some of the changes that have happened in Society at large. The decentralization of authority and decision making. The "back to the land movement" and the emigration from large urban centers to medium and small cities. The coming of the Second American Revolution, brought on perhaps by the Bicentennial, but with us today, nevertheless. The "anti-bigness movement" so eloquently espoused by E.F. Schumacher in his fast rising classic, SMALL IS BEAUTIFUL: ECONOMICS AS IF PEOPLE MATTERED. The rise of consumerism. Examples come to mind in a continous stream.

The point seems clear. The direction that Society's values have taken has been nicely summarized by the prediction that, "The last third of the 20th Century - the post industrial revolution period - will see society concerning itself first and foremost with the welfare and well-being of the individual person. Nationalism, industrial empires, even religion will take a secondary position to this overwhelming concern for the individual."

And in the areas of design and the man-built environment isn't this same concern for the individual person the basic motivation behind environmental design research? Aren't the psycho-social consequences of good and bad design decisions in terms of the individual person what EDRA is really all about? I think so.

If the convergence of Society's values and EDRA's values that I am claiming has occurred is correct, then it is not too far fetched to say that a social imperative exists for environmental design research.

If this is the case, then it might be useful to think about the future for a bit and I can think of no better theme than the theme for the EDRA 7 conference - "BEYOND THE APPLICABILITY GAP: THE BEHAVIOURAL BASIS OF DESIGN".

What should EDRA's role be in the future - in the last third of the 20th Century, if you will? What posture should EDRA and its members assume to maintain the growing concern for the welfare of the individual in the built environment? How can EDRA and its members use their prime resource - knowledge - to bring about change in design decision making for the benefit of the individual person?

Several paths seem to be open. The first, and most obvious is for EDRA to simply do more of the same, which is to say to restrict itself to one conference a year and one set of proceedings, with the hope that somehow this will bring about change. To me, this just doesn't seem to be enough, particularly when I look back and try to see how change has been brought about in the built environment due to EDRA conferences and EDRA proceedings. Enough said, I think.

A second pathway open to EDRA and its members is to take on the role of educator. By this, I mean a series of out-reach efforts, in which EDRA members consciously undertake a series of activities (and the form isn't important, they can be workshops, lectures, TV spots or whatever) whose intent is to educate people outside of the research community on the issues addressed and knowledge gained through environment design research.

The third pathway I see for EDRA members is that of a resource. This role would have EDRA members aggressively making themselves known and available to design decision makers as a knowledge and skill resource to be applied to man-environment design problems. In effect, this would mean that some academicians would have to consciously divert their energies from research into practice.

Finally, I see a fourth pathway in the area of policy, regulation and the courts. In this role I see EDRA members zeroing in on policy and legislation at both the national and state levels and using the knowledge gained through man-environment research to shape, influence and change policy and legislation. In a similar fashion regulatory bodies such as the model building codes and zoning authorities could well benefit from EDRA knowledge. In the courts I see man-environment research coming to bear on issues such as jails (for which there is already some precedent), housing and mental health facilities -- probably in the form of class actions -- again with the intent of bringing about changes in these environments for the benefit of the individual person.

Whatever form the future roles of EDRA and its members may take to respond to the social imperative that I have claimed exists, one thing seems abundantly clear - the ball is in our court.

Society will not come looking for EDRA. Each of us must decide on a future course of action and then act upon our decision.
EDRA Publications have had two main functions:
- Disseminate a selection of theoretical and research papers, and of reports on design applications; and,
- Record the actual content of the annual conferences of EDRA.

In some years, the conference chairmen have, in the publications, emphasized one or the other aspect, while a few chairmen have chosen to make explicit the two distinct, and different publication functions. EDRA-7 returns to the pattern used for EDRA-4, in which Book One contains mainly a selection of formal papers and Book Two records the Invited Papers, and the symposia and other participation sessions.

All of the formal papers in Book One have been approved by the refereeing committee and by the co-chairmen, both for publication prior to EDRA-7, and for discussion at specially scheduled sessions during EDRA-7. This Book One was sent to the publishers on February 17, 1976, so that the bound copies could be distributed to purchasers when they register at Vancouver on May 25. A few additional formal papers have been approved for publication, but were not available in camera-ready form when the material was assembled for the publisher; these additional papers will be included in Book Two, to be published some months after EDRA-7.

The symposia and other participation sessions, provide a survey of the "state of the art" in environmental design research, bridging and application at the time of the conference. The discussions, debates, and challenges, the sharing of experiences and development of new consensus occur during the conference. They cannot therefore be published in advance. We have included in this Book One only a brief summary of those sessions for which we had information at mid-February. Readers thus have a sense of what EDRA-7 is expected to discuss, and a listing of many of the participants scheduled in formal sessions. The conveners and participants in these sessions have been asked to prepare synthesis of the discussions, and of the main presentations, for inclusion in Book Two.

The co-chairmen of EDRA-7 have invited three distinguished speakers to address the conference, and have arranged for four theme symposia to discuss basic aspects of the conference theme. These sessions are described in Book One, and will be published in Book Two.

The publications of all prior EDRA conferences are now available for purchase. The Board of The Environmental Design Research Association, Inc., has arranged with Dowden, Hutchinson and Ross for the re-publication of the several volumes which had gone out-of-print. All except the publications of EDRA-3 may now be ordered from Dowden, Hutchinson and Ross at the following address:

Dowden, Hutchinson and Ross
Box 699
Stroudsburg, Pa., 18360
U.S.A.

Prior EDRA conference publications available through Dowden, Hutchinson and Ross include:

EDRA-1
H. Sanoff and S. Cohn, editors
pp 384. 1970

EDRA-2
J. Archea and C. Eastman, editors
pp 408. 1970

ENVIRONMENTAL DESIGN RESEARCH, Volume I and Volume II. EDRA-4
W.F.E. Preiser, Editor
pp 1120. 1973

MAN-ENVIRONMENT INTERACTIONS: Evaluations and Applications. EDRA-5
D.H. Carson, Editor
pp 1524. 1974

RESPONDING TO SOCIAL CHANGE. EDRA-6
B. Honikman, editor
pp 320. 1975

The publications of EDRA-3 were issued by the University of California, and may be obtained through:
Don Conway, AIA, Director of Research Programs
American Institute of Architects
1735 New York Avenue N.W.
Washington, D.C., 20006
U.S.A.
(Only a limited number of copies of this publication remain.)

ENVIRONMENTAL DESIGN: Research and Practice, Volume I and Volume II. EDRA-3
William J. Mitchell, editor
1972
EDRA-7 AND ITS FOCUS

Peter Suedfeld and James A. Russell
Co-Chairmen, EDRA-7
Environmental Psychology Programme
University of British Columbia

The seventh annual meeting of the Environmental Design Research Association, held in Vancouver, British Columbia, May 25-28, 1976, is simultaneously another step forward in a line established through a brief but vigorous tradition, and a novel departure from the past. For some years now, EDRA has combined a major focus on the design arts and sciences with a growing interest in the social and behavioural bases of design. In past conferences, there has been a growing emphasis on the need for architects and planners to incorporate relevant contributions from the social sciences in their work. Nevertheless, in EDRA as in the field as a whole, this synthesis has been more talked about than realized. While the number of papers by environmental psychologists, sociologists and economists has grown, the basic research in these fields has not been extensively translated into actual buildings or communities.

At first, this did not seem to matter much. The empirical data base was fairly small, the need for rapid decisions on the part of designers very great; and no one could complain if the latter did not perceive much usefulness in the former. A few years ago, the editor of an architectural journal wrote that there was usually no pressing reason why architects should not pay attention to the work of behavioural and social scientists. The very fact that this point of view was then a relatively enlightened one, and had to be stated specifically to the readership, tells us something about the relationship between the disciplines not too long ago. EDRA has done much to remedy this situation. It has brought together people from the two areas, and given them a chance to listen to and talk with each other. It has also emphasized the need for a broad integration of basic research and application. For example, the relevance of social research to the planning of environmental change was discussed in Basil Honikman's introductory comments to the EDRA 6 Proceedings.

The theme for EDRA 7 is thus a new but logical outgrowth of a relatively long-standing concern. "Beyond the Applicability Gap: The Behavioural Basis of Design" specifically identifies the position that the conference organizers wished to emphasize. That is, the issue is no longer whether the two lines of approach should be integrated, nor whether they can be integrated. We have even gone beyond the next question, how the integrations should be done. This conference was to focus on actual syntheses of behavioural and social science research on the one hand and the creative design and use of environments on the other.

In other ways, this conference has been a departure from previous ones. Quite appropriately in view of the theme, this is the first time that the conference is being sponsored and organized primarily by a group whose identification is with behavioural science rather than with design: the Environmental Psychology Programme in the Department of Psychology at the University of British Columbia.

Environmental psychology is a relatively new specialization, and represents the interaction between basic and applied work in the discipline. New concepts, such as human territoriality, developed from experimental research, become important considerations in the design of work and residential environments; real-life problems, such as those arising from crowding or from environmental monotonous, lead to laboratory work that increases the understanding of basic psychological processes and in turn feeds back into planning and architecture. Environmental psychology draws widely upon other areas within the discipline to answer a great variety of questions at many levels of control and abstraction. It is gratifying that EDRA has acknowledged its contributions by selecting us to be the host institution for the 1976 conference.

Not only is the environmental psychology programme at the University of British Columbia a new one, it is the first and so far the only one of its type in Canada. It is therefore particularly pleasing that, in another departure from tradition, we are able to welcome the first EDRA conference to be held outside the United States. There is a clear recognition that the concerns of EDRA are not restricted to any one nation, and that important work in environmental design and research is going on around the world. Vancouver's location has encouraged greater participation than had been possible in the past from workers in the Pacific rim countries as well as in the rest of North America.

The international nature of the endeavour is underscored by the fact that this conference is being held immediately prior to Habitat '76, the United Nations Conference on Human Settlements, which is also meeting in Vancouver. The opportunity for EDRA members to interact with people attending the larger United Nations meeting, and vice-versa, is an important extra attraction. In addition, the magnificent natural surroundings and the varied characteristics of the built environment of Vancouver and vicinity, are both enjoyable and professionally interesting to those attending the meetings.
Perhaps a reflection of the simultaneously evolutionary and novel aspects of EDRA 7, we received a very large number of submitted papers, a high proportion of which were quite interesting and well done. After a harrowing review procedure (harrowing for both the authors and the Programme Committee), those judged to be excellent both methodologically and substantively, besides being of wide interest within EDRA, were selected for inclusion in the current volume. Many others are being presented in informal sessions at the conference itself, with the hope that they will be disseminated through other publications or the "invisible college".

ACKNOWLEDGEMENTS

As co-chairmen of the conference, we are grateful to the Programme Committee and to the many reviewers who contributed to the selection of the papers included here.
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<td>Behavioural Science Mismatch to Environmental Policy: 1. The Behavioural Decision Researcher as the Expert Witness in Court</td>
<td>Wilfrid White, Chair. (Macmillan 166)</td>
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<td>1:30-2:00</td>
<td>Privacy: Current Theory and Research</td>
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<tr>
<td>1:30-2:00</td>
<td>Child Environment Evaluations, Clare Cooper, Chair. Childhood City. Roger Hart, Chair.</td>
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<td>1:30-2:00</td>
<td>Towards Better Person-Environment Relations. The Changing Relationship of Women and Men to the Environment. Susan Sametz, Chair.</td>
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<td>1:30-2:00</td>
<td>Hospital Transport Planning. Phil Guzack and Pat Schilling, Chair.</td>
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<td>1:30-2:00</td>
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<td>Behavioral Science Input to Environmental Policy: 2. The Standing of Research in Establishing Public Policy. John Eberhard, Chair. Special Address: Daniel Ostlin, Discussant: Michael Hill, David V. Center and Rhonali Murali.</td>
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Note: Each paper has been allocated one-half hour for presentation or discussion. Macmillan 220 is available for further discussion.

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<th>Time</th>
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<td>1:30-2:00</td>
<td>Impossible Dreams. Unrealizable Hopes! Guido Francescato</td>
<td>(Macmillan 319)</td>
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<tr>
<td>1:30-2:00</td>
<td>Maximizing Cost Benefits of Post-Construction Evaluation</td>
<td>Edward R. Cohnander and Betty Rose Conneli. (Macmillan 323)</td>
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<tr>
<td>2:00-2:30</td>
<td>Applying Humanism, Behavioral, and a Broader Social Development</td>
<td>View to Understanding and Researching the Design Process. Abraham Washburn.</td>
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<tr>
<td>2:00-2:30</td>
<td>Comparison of Factor Analysis and Multidimensional Scaling to Analyses of Semantic Difference and Constructs.</td>
<td>Elizabeth R. May and Thomas E. Rauffa. (Macmillan 323)</td>
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<tr>
<td>2:30-3:00</td>
<td>Assumptions in Environmental Programming</td>
<td>Jay Farbstein. (Macmillan 319)</td>
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<td>2:30-3:00</td>
<td>What Do You Say to a Naked Stranger? The Effects of Privacy! Personal Space Instruction on Escape and Helping.</td>
<td>Bill L. Duncan. (Macmillan 323)</td>
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<tr>
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<td>The Design of Open Space for Residential Management. Sidney Brower, Roger Swo. LeVonne Gray, and Bernard Headley.</td>
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<tr>
<td>3:00-3:30</td>
<td>An Intriguing-Arousing Model of Crowding</td>
<td>Miles L. Patterson. (Macmillan 323)</td>
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<td>3:30-4:00</td>
<td>The Nature of the Applicability Gap in the Design of Residential Environments.</td>
<td>Elizabeth I. Harman and John F. Bealik. (Macmillan 319)</td>
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<tr>
<td>3:30-4:00</td>
<td>Studying Preferences, Behavior, and Design Influences in a University Library.</td>
<td>Gerald H. Schaefer and Miles L. Patterson. (Macmillan 323)</td>
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<tr>
<td>4:00-4:30</td>
<td>Understanding Urban Development. Andrew Gutf and Donald Golstein.</td>
<td>(Macmillan 319)</td>
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<td>4:00-4:30</td>
<td>Environmental Research, Environmental Design and the &quot;Applicability Gap.&quot;</td>
<td>William C. Bader and TridkB. Basner. (Macmillan 323)</td>
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<td>4:00-4:30</td>
<td>Towards a Comprehensive Model of Human Stress. Uriel Cohen.</td>
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<td>4:00-4:30</td>
<td>House From and Culture Revisited. Edward R. Sadlack, Peter Z. Snyder, and David Sta.</td>
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<tr>
<td>5:30-6:00</td>
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Invited Theme Session
Bridging: From Theory and Research into Design and Use. Gerald Davis, Chair, 9:00-10:45 in Hebb Theatre.

Coffee Break 10:45-11:15.

Invited Address
The New Experimental Aesthetics and Environmental Psychology, Daniel Berlyne, 11:15-12:15, in Hebb Theatre.

PARTICIPATION SESSIONS

1:30-4:30 Behavioral Science Inputs to Environmental Policy: I. Applications of Behavioral Research to Building Regulations.
Robert B. Stirling Ferguson, Chair. (MacLeod 766)

1:30-2:30 User-Oriented Programming of Facilities: Wolfgang F.E. Preiss, Chair. (MacMillan N61)

1:30-6:00 UWCR-MIT-PENN STATE-COLO Four Teaching Programs. Per K. Johnson, Chair. (MacMillan 158, 256)


1:30-6:30 Cognitive Representations: What are the Implications for Design? Harriet M. Braunstein, Chair. (MacLeod 236)

1:30-4:00 Case Study of a Juvenile Detention Center: Pre-design, Design Evaluations, Teaching Environmental Management. Ted S. Pink, Chair. (MacLeod 174)

1:30-3:00 Teaching Person-Environment Relations. Andrew D. Seidel, Chair. (MacLeod 208)

1:30-5:00 Fantasy and Physical Form. Joseph B. Juhaza, Chair. (MacLeod 202)

3:00-6:00 The Use of Films for Environmental Education and Research. Bob Hallinan and Alissa Krahne, Chair. (MacLeod 315)

3:30-4:30 Creating a Supportive Environment for the Elderly. Gloria Gutman, Chair. (MacLeod 204)

4:00-5:30 The Analysis and Organization of Human Residential Space Transaction Theory and Research. Mildred Robles, Chair. (MacLeod 214)

6:00-7:00 CONVERSATION HOUR with Clare Corpsett Marcus, Gary N. Winckler, and Yachim F. Wohlbull. (Music Room of the Faculty Club)

6:00-8:00 Informal discussion and social hosted by the students of UWCR (all are invited). (MacMillan 296)

8:00-11:00 EDRA Annual Membership Meeting and Elections. (MacMillan 396)

INFORMATION

Meals
Breakfast: 7:30-9:30 in Totem dining room. Continental breakfast available until 11:00.
Lunch: 12:15-1:15 in Totem dining room. Afternoon coffee and snacks available at the Barn Snack Bar (north of MacMillan) and MacLeod 220.
Dinner: Buy tickets at the Information Table for restaurants or special dinners. On-campus: Student Union Building (SUB) cafeteria is open 7:00 a.m.-7:00 p.m.
Drinks and Discussion: In Totem Room, 9:00-11:15. In the PIT, Student Union, Building, open 4:00 p.m.-7:00 p.m.
Information Desk and Message Center
Book Display
Current books and journals 12:00-7:30 p.m. At MacMillan 760.
Computing Facilities

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1:30-2:00 Cognitive Mapping of the Home Environment. David Rethwell. (MacLeod 319)

1:30-2:00 The Effects of an Environmental Intervention on Racial Polarization in a Youth Training School. Daniel Stohols and Richard G. Martino. (MacLeod 324)

2:00-2:30 Behavior and Use Patterns in a Tucson Park. William C. McGuire. (MacLeod 319)

2:00-2:30 Children's Urban Landscape in Huntington Hills, California. Robert J. Payne and David B.W. Jones. (MacLeod 321)

2:30-3:00 Distance Making: The Heart Grow Tanger: Attributes and Aspects in Cognitive Macronames. Stanley Corin and Clare Peat. (MacLeod 319)

2:30-3:00 House Form and Social Identity. Beth Venturo, Stephen Magel, and Edward K. Sadaqa. (MacLeod 322)

3:00-3:30 The Effects of an Explicit Landmark on Spatial Judgments. Lawrence A. Fehr and Harold D. Foskeb. (MacLeod 319)

3:00-3:30 Perceptual Views of Problems. Public Perception of Environmental Quality in San Diego. Harold J. McPherson and Thomas F. Saarinen. (MacLeod 323)

3:30-4:00 User-Generated Visual Features as Signs in the Urban Resident-Environmental Environment. Ralph B. Taylor, Sidors Brower, and Roger Stough. (MacLeod 319)

3:30-4:00 Social Roles and Spatial Preferences. David A. Sandahl. (MacLeod 322)

4:00-5:00 People/Plant Proxemics: A Concept for Human Design. Charles A. Lewis. (MacLeod 319)

4:00-5:30 Modern Fertility Trends and Their Implications for Urban Design. Arthur S. Bogush. (MacLeod 323)

4:30-5:00 Invasion and Defense of Territory. Gilda M. Halber. (MacLeod 323)

5:00-5:30 The Public Views of the Coast: Toward Aesthetic Indicators for Coastal Planning and Management. Tribb Barnie and James Goldblatt. (MacLeod 319)

5:00-5:30 Predicting Judgments of Buildings: Reality vs Simulation. Robert Gilford. (MacLeod 323)

5:30-6:00 The Utilization of Space in an Academic Environment. Randy Phelps and James C. Bester. (MacLeod 319)

5:30-6:00 The Synthesis of Environment and the Design of Environmental Environments: The Synthesis of an Environmental Environment. Ade Paden. (MacLeod 323)
THURSDAY, MAY 27

Invited Theme Session
The Design Practitioner and His Research Need, John Wade, Chair, 9:00-10:45 in Woodward Instructional Resources Centre, Lecture Hall #2.

Coffee Break, 10:45-11:15.

Invited Address

Welcoming Lunch

PARTICIPATION SESSIONS

10:00-10:30 Evaluation Research in Environments and Aging, Thomas O. Byers and P. Windley, Chair. (MacMillan 166)

10:30-11:00 Producing High in Architecture/Environmental Psychology, Calvin W. Taylor, Chair. (MacMillan 160)

11:00-11:30 Designing for High Density, Daniel Stokols, Chair. (MacMillan 158)

11:30-12:00 Practical Applications of Ecological Psychology Methods, Robert R. Bechtel, Chair. (MacMillan 256)

12:00-12:30 Experimenting into Reality, Walter Kleiman, Chair. (MacLeod 228)

1:30-2:30 Two Design Problems in Search of a Solution, Marvin J. Dainoff, Richard Sherman, and Daniel Misla, Chair. (MacLeod 214)

2:30-3:00 Social Impact Assessment in Cross-Cultural Perspective, C.P. Wolf, Chair. (MacLeod 202)

3:00-3:30 Phenomenology of Water. Waterprints for People, Jorg Dietrem Ostrowski, Chair. (MacMillan 316)

3:30-4:00 The S.A.R. (Stichting Architecten Research) and Habraken's Studies of Urban Tissues Applied to Problems of Housing, Eric Dlikovich, Chair. (MacMillan 160)

4:00-4:30 Interior Design: A Look at the Profession, Ron Bentzman, Chair. (MacLeod 214)

4:30-5:00 Nobody Wants to Live Next to a Gas Station: Environmental Characteristics Planning, Iacob Kaminsky, Chair. (MacMillan 156)

5:00-5:30 CONVERSATION HOUR with Daniel Belhume, N.J. Habraken, and M. Powell Lawton. (Music Room of the Faculty Club)

8:30-9:00 Behavioral Science Input to Environmental Policy: 4. Research on Environment and Behavior as a Basis for Legislation, Don Conway, Chair. (MacMillan 166)

8:30-9:00 Teaching and Learning, a Link Environmental Programming and Design. Jay Furdite, Chair. (MacMillan 166)

8:30-9:00 Programming and Environmental Analysis in Practice, Francine Seignet, Jacqueline Vicher, and Barry Henning, Chair. (MacMillan 158)

8:30-9:00 Body Presentation Demonstration 1, Elizabeth M. Kuder, Chair. (MacMillan 256)

8:30-9:00 The Use of Films for Environmental Education and Research, Rob Hollister and Alecia Kneiser, Chair. (MacLeod 214)

8:30-9:00 Beyond Shelter: The Need for Appropriate Shelter. Nicholas Watts, Chair. (MacLeod 208)

8:30-9:00 Social Impact Assessment in Cross-Cultural Perspective, C.P. Wolf, Chair. (MacLeod 202)

8:30-9:00 Game Demonstration Workshop, Luis N. Sunnen, Chair. (MacLeod 115)

8:30-9:00 U-DIG: Urban Design Investment Game - Use of Sub-Mini-Computers in Environmental Design, Ervin J. Bell, Chair. (MacMillan 159)

PAPERS

1:30-2:00 Openness-Enclosure and Seating Arrangements as Spatial Determinants in Lounge Design. Steven Roublon. (MacLeod 339)

1:30-2:00 The Right to Participate. Attitudes Regarding Land Use and Development in Southeastern Montana. Patrick C. Jobes. (MacLeod 323)


2:00-2:30 Monitoring System for Remote Sensing of Environmental Stresses and Physiological Responses. Uwe Reischl and Peter Reischl. (MacLeod 323)

2:30-3:00 The Hallway House: A Diagnostic and Prescriptive Evaluation. William J. Sims. (MacLeod 319)

2:30-3:00 Some Prospects for Simulating Human Behavior in High-Rise Building Fires: A Pilot Demonstration. Fred L. Stahl. (MacLeod 323)

3:00-3:30 The Effect of Heterogeneity on Neighborhood Social Behavior. Gertrude S. Fish. (MacLeod 319)

3:30-4:00 The Journey to Work Game. Howard S. Blei. (MacLeod 323)

3:30-4:00 The Hidden Structure of Children's Play in an Urban Environment. Stephen Graham and Neil J. Salhod. (MacLeod 319)

4:00-4:30 Measuring Human Life Safety. Colin H. Green. (MacLeod 323)

4:00-4:30 Residential Planning Implications of Subjective Response to Noise. Some Empirical Findings. S. Martin Taylor and Fred L. Hall. (MacLeod 319)

4:30-5:00 Sex Differences in Opposition and Support for Construction of a Proposed Nuclear Power Plant. Emily M. Passino and John W. Lounbourn. (MacLeod 319)

4:30-5:00 Abstract Form and Meaning. A Pilot Study Lawrence P. Friedman and William I. Whiddon. (MacLeod 323)

5:00-5:30 Sixty Years of Transition in a Planned Company Town, with a Portrayal of Current Resident Evaluations. Arnold R. Alsen. (MacLeod 319)

5:00-5:30 Environmental Aesthetic: The Gap between Understanding and Application, in an R & D Perspective. Marilyn Daffy-Armstrong and Cynthia Ann Koell. (MacLeod 323)

5:30-6:00 An Ethological Profile of a Small No-Growth Industrial City. Bette Greenfield. (MacLeod 319)
FRIDAY, MAY 28

Invited Theme Session
Synthesis - And Where Do We Go from Here? Colin Davidson, Chair, 9:00-10:45 in Woodward Instructional Resources Centre, Lecture Hall #2.

Coffee Break - 10:45-11:15.

Invited Address
Towards a Sustainable Society in a Sustainable Environment, John Platt, 11:15-12:15 in Woodward Instructional Resources Centre, Lecture Hall #2.

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<tr>
<td>1:30-6:00</td>
<td>Architectural Journalism and EDRA Research. Nancy Stamos, Chair. (MacMillan 256)</td>
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<tr>
<td>1:30-5:30</td>
<td>The Interface Between Environmental Design and Applied Behavior Analysis. Dan Burts, Chair. (MacMillan 214)</td>
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<td>Social Impact Assessment in Cross-Cultural Perspective. C.P. Wolf, Chair. (MacMillan 228)</td>
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<td>The Use of Films for Environmental Education and Research. Rob Hallister and Miles Bonier, Chair. (MacMillan 355)</td>
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<tr>
<td>1:30-5:30</td>
<td>Game Demonstration Workshop. Luis H. Summett, Chair. (MacMillan 256)</td>
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<tr>
<td>5:00-7:00</td>
<td>A Canadian EDRA. Shalagh Lindsay, Chair. (MacMillan 228)</td>
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<tr>
<td>5:00-7:00</td>
<td>Farewell Session. (MacMillan 166)</td>
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<td>9:00-12:15</td>
<td>Farewell Party. (Graduate Student Centre, Garden Room)</td>
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<td>An Evaluation of Neighborhood Service Convenience for Elderly Housing Project Residents. Robert J. Newcomer. (MacMillan 319)</td>
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<tr>
<td>2:00-2:30</td>
<td>A Social Services Delivery Model: Planning for Corrections Needs. Richard Brown, Chair. (MacMillan 319)</td>
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<tr>
<td>2:00-2:30</td>
<td>Human Facet Research on Building Standards for Accessibility to Disabled People. Edward Steinfeld, Steven Schereder, Marilyn Bishop, James Meilo, Stephen Andreoli, and Richard Suchman. (MacMillan 319)</td>
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<tr>
<td>2:30-3:00</td>
<td>Design for Normalization in an Institution for the Mentally Retarded. Peter Orlens. (MacMillan 319)</td>
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<tr>
<td>3:00-3:30</td>
<td>An Evaluation of Nursing Unit Design. Sue D. Pendell and Keelin E. Conroy. (MacMillan 319)</td>
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<tr>
<td>3:00-3:30</td>
<td>Climate as the Modifier of Man-Environment Interaction. Both Culiat. (MacMillan 323)</td>
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<td>3:30-4:00</td>
<td>Socio-Psychological Prerequisites for New and Expanded Community Planning and Design. Norman E.P. Pressman. (MacMillan 323)</td>
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<tr>
<td>4:30-5:00</td>
<td>Post-Construction Evaluation: A Case Study of Elderly Housing. Sandra C. Powell. (MacMillan 325)</td>
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<tr>
<td>5:00-5:30</td>
<td>Creation &amp; Maintenance of Physical Environments: Evolutionary Settlement Development. Stephen O. Bendix. (MacMillan 319)</td>
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<tr>
<td>5:00-5:30</td>
<td>A Strategy To Assess User Preference in Housing Design. Julian Benjamin, Richard Hays and Robert Newcomer. (MacMillan 323)</td>
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<td>5:30-6:00</td>
<td>Social Determinants of the Design of Housing for the Elderly. Robert A. Findlay and Earl M. Morris. (MacMillan 319)</td>
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