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ABSTRACT

This bibliography contains an alphabetical listing of approximately 500 references dealing with human spatial behavior in institutions, public places and generally environments ranging from the scale of a room to a geographic large scale environment. The purpose of the bibliography is to respond to the growing interest in the study of human spatial behavior as it relates to elements of the social and physical environment. A framework of variables relating to the three organizing concepts of space, behavior, and examples of units of analysis, are presented. (LK)

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ENVIRONMENT AND SPATIAL BEHAVIOR: A Selected Bibliography

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ENVIRONMENT AND SPATIAL BEHAVIOR:
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The purpose of this bibliography is to respond to the growing interest in the study of human spatial behavior as it relates to elements of the social and physical environment.

Contained in this selection of bibliographical references are the major findings of studies which deal with human spatial behavior in institutions, public places and generally environments ranging from the scale of a room to the geographic large scale environment. Thus, one is investigating micro-behavior on one side, i.e., body posture, movement of hands, etc., and movement patterns among regions on the other. Human spatial behavior can take different forms, whether it occurs with individuals or in groups. Many variables enter into spatial behavior; among them are motivation, cultural factors, physical environmental factors, and psycho-physical factors.

Generally, studies on spatial behavior fall into one or more behavior categories of spatial concepts. Most of the studies fit into the following framework of variables:

Spatial Concept	Behavior Category	Examples of Units of Analysis
1. Territoriality	Dominance relationships	No. of aggressive acts or submissions, frequency of use of certain locations
2. Personal space	Maintenance of personal integrity	No. of defensive acts, distances maintained
3. Proximity	Communication	No. of successful contacts, sociometric measures
4. Sociofugal vs. sociopetal space	Interaction patterns	No. and kind of encounters
5. Density	Crowding	Stress, GSR

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For the purpose of measurement of behavioral categories frequently are broken down into smaller observable units such as greeting or verbal communication as manifestations of social interaction. Such units of analysis represent overt behavior episodes which can be measured. The current research trends in the field of man-environment relations are partially based on the fact that humans and animals structure their environment spatially. Originating from ethological studies with animals an area of research has evolved which deals with the determinants of human spatial behavior. Valuable insight was gained from observational studies on how animals define and mark territorial boundaries, acquire and defend territory and communicate and relate spatially to members of their own and other species. There are clear indications that some of the spatial behavior found in animals may still be operating in the human species. Recent studies have shown that social order is possible only through the establishment of rules governing the use of space. This is to minimize possible sources of conflict and resulting stress and pathologies. Therefore, the implications of environmental effects on human spatial behavior make this field of study particularly relevant to the design and planning disciplines.

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