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## People Transac View of

People in Places: A Transactional View of Settings

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## INTRODUCTION

environment in psychological research (cf. White, 1979). The significance of the large-scale environment for behavior and health has been underscored by the The chapters in this volume highlight the current emphasis on the ecological contemporary problems of pollution, resource shortages, and urban stress. Yet, For, after decades of research, it has become increasingly clear that human behavior and well-being cannot be understood solely in terms of psychological processes and the proximate social environment, but must be considered in relation to the broader context as well-the sociocultural and physical milieu in led as much by challenging theoretical issues as by pragmatic societal concerns. the establishment of an ecological orientation among psychologists was prompwhich people are actively involved.

Although the behavioral relevance of the molar environment is widely recognized, systematic studies of the transactions between people and their sociophysical settings have been sparse (see Barker & Associates, 1978; Bronfenbrenner, 1979; and Moos, 1976, for notable exceptions). A major difficulty facing such research is the staggering complexity of the large-scale environment. Unlike the Skinner, 1953), the architectural, geographical, and sociocultural components of the molar environment are interdependently arrayed in the form of dynamic, ecological systems (cf. Barker, 1968). In the face of this complexity, it becomes difficult to demarcate the appropriate units of environmental analysis, and to discrete stimuli and cues comprising the microenvironment (cf. Gibson, 1960; assess their implications for behavior and health. A crucial challenge facing psychological research is to develop a theoretical Only by identifying the important dimensions and processes of settings can we begin to assess the comparability of environments and the ecological validity of our research findings and policy decisions (cf. Secord, 1977). Guided by these basis for describing and categorizing the diverse settings of human behavior. tualization of settings emphasizing the cognitive and behavioral transactions between people and places; (2) to delineate a set of theoretical dimensions for concerns, the major purposes of the present chapter are (1) to develop a concepdescribing and categorizing settings; and (3) to derive research hypotheses from the proposed taxonomic dimensions.

analyses of settings are Barker's (1960, 1968) theory of "behavior settings" and Although their analyses focus on different psychological and developmental both Barker and Bronfenbrenner construe settings as units of the -namely, a particular place in ecological environment that are characterized by the high degree of interdepen-The term setting, as it has been used in the psychological literature, typically which specific individuals share recurring patterns of activity and experience (cf. Argyle, 1977; Barker, 1968; Bronfenbrenner, 1977; Magnusson, 1981; Pervin, 1978; Wicker, 1979b). Among the most comprehensive psychological Bronfenbrenner's (1977, 1979) analysis of the ecology of human development dence among their physical, social-structural, and personal components. refers to a common set of interrelated elementsquestions,

The conceptualization of settings presented in this chapter extends earlier analyses in at least three respects. First, it gives explicit consideration to the concept of 'place' --- the geographical and architectural context of behavior. Previous analyses of settings have emphasized the social and behavioral aspects of settings (e.g., processes of under- and overmanning in Barker's theory; transcontextual social networks in Bronfenbrenner's analysis), while neglecting to geographical milieu. Second, a transactional perspective is emphasized in the present analysis, highlighting the reciprocal influence between people and places. Places, thus, are viewed not only as a composite of behavior-shaping consider the relationships between these dimensions and the architecturalsingle individuals, coacting aggregates, and/or interactive groups. This strategy is in contrast to earlier analyses that have not differentiated among settings in terms of the composition and organization of their occupants. Our approach is based on the assumption that a categorization of settings, reflecting the different forces, but also as the material and symbolic product of human action. Third, our analysis distinguishes among settings that are oriented toward and occupied by levels of social organization and interdependence among occupants offer theoretical leverage for understanding the complex transactions between people

<sup>&#</sup>x27;Recent chapters by Barker (1979) and Proshansky, Nelson-Shulman, and Kammoff (1979) at exceptions to this trend.

We should note, however (as becomes apparent in the latter sections of the chapter), that our analysis gives greatest attention to group-occupied settings. We have chosen to emphasize this category of settings because people spend so much of their waking time in groups, and because group-occupied settings afford an al dimensions (e.g., social-structural and organizational as well as psychological opportunity to assess the interrelationships among a wider range of environmenand physical dimensions) than do individual- and aggregate-occupied settings.

their perceived attachments to those environments (e.g., place-dependent and tems for describing and analyzing the physical milieu and occupants of settings relational terms. Places, for example, are characterized in terms of the predomigroup-oriented), whereas people are distinguished by their association or lack of place-independent). In the final section of the chapter, the proposed taxonomic to examine in detail the two major components of settings: their physical milieu places) and their occupants (individuals, aggregates, and groups). Theoretical are delineated in the next two sections of the chapter. Throughout these sections, ent, as our analysis arrives at a taxonomy of settings based on transactional or nant orientation of their human functions (e.g., individual-, aggregate-, or association with particular places (e.g., place-specific and place-nonspecific) and tems are utilized as a basis for developing a theoretical analysis of the groupenvironment interface and for deriving hypotheses about the dynamic relation-As a basis for developing the proposed theoretical analysis, it is first necessary the artificiality of rigidly separating the components of settings becomes apparships between people and places.

## PLACES: THE PHYSICAL AND SYMBOLIC CONTEXT OF **HUMAN ACTION**

In 1943, Clark Hull, a leading proponent of behavioral psychology, commented that "... as the behavior sciences evolve the relationships where multiple causes are involved will be expressed more and more precisely in the form of equations; . . . It is hardly to be doubted that the behavior sciences are rapidly of American psychologists during the 1940's, 1950's, and early moving in this direction [p. 288]. ' Hull's statement summarizes the lofty aspithey rushed into their laboratories in quest of discovering the laws of human 1960's—the heyday of behaviorism and the golden age of experimentation-

vironmental elements, or stimuli, had to be isolated—that is, examined singly or The experimental search for enduring behavioral laws posed some important implications regarding the proper definition of the environment, on the one hand, and its behavioral consequences, on the other. First, the environment had to be construed in terms of discrete, separable units-that is, stimuli-that were amenable to systematic observation within the laboratory. Second, these enin small clusters—so that their functional relationships with specific responses of the organism could be discerned through experimental manipulation. In the words of Benton Underwood (1957), a highly regarded methodologist, "One may vary more than one stimulus condition in a given experiment . . . but to draw a conclusion about the influence of any given variable, that variable must have been systematically manipulated alone, somewhere in the design [p. 35]."

As psychologists pursued the laws of behavior, their experimentalist fervor gradually gave way to concerns about the external validity or generalizability of laboratory findings (cf. Campbell & Stanley, 1963), and the simplicity of focus from the micro to the molar environment in the hope of identifying the stimulus-response models vis-a-vis the complexity of behavior within naturalistic settings (cf. Gergen, 1973; Ring, 1967; Smith, 1972; Willems & Raush, 1969). In light of these concerns, many psychologists shifted their theoretical contextual moderators of environment-behavior relationships (e.g., Barker, 1963; Chein, 1954; Craik, 1973; Gibson, 1960; Lewin, 1936).

With the emergence of environmental psychology during the late 1960's and early 1970's (cf. Craik, 1973; Wohlwill, 1970), several programs of research emphasizing the large-scale environment were implemented. Research in the areas of environmental cognition, spatial behavior, and stress exemplify this changing research strategy. In the area of environmental cognition, Lynch (1960) developed a conceptualization of cognitive mapping within humans, drawing upon Tolman's (1938) pioneering (but initially neglected) research on "cognitive maps" in rats. Also, Ittelson (1973) contributed a comprehensive analysis of the differences between environment (place) and object (stimulus) perception.

In the areas of spatial behavior and stress, researchers have examined several dimensions of the large-scale environment as they affect human performance and well-being. Studies of personal space, territoriality, and crowding, for example, have established the behavioral and health relevance of variables such as residential density and architectural design (cf. Altman, 1975; Baum & Valins, 1977, strated the impact of stressors such as community noise, ambient temperature, Gove, Hughes, & Galle, 1979; Newman, 1973). Other studies have demonand air pollution on behavior (cf. Baron & Bell, 1976; Cohen, Glass, & Singer,

These studies of spatial behavior and stress reflect some significant trends in current research on environment and behavior. First, investigations of the molar environment typically proceed by isolating (via laboratory or field experiments) specific dimensions of the sociophysical milieu-for example, architectural design, noise, density, ambient temperature—and examining their relationships experimental strategy favored by Underwood (see the previous quote), it fails to with behavior and health. Although this strategy is consistent with the sequential, capture the interdependencies among multiple dimensions of the environment and their joint relationships with behavior. One objective of the present analysis is to highlight the interconnections among social-structural and architecturalgeographical components of settings.

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Second, psychologists typically construe the environment either in terms of its objective, material features or in terms of the individual's subjective impressions ments considered within the same analysis.2 In our view, the sociophysical environment is a composite of material and symbolic features. Thus, an attempt of those features. Rarely are the objective and subjective elements of environis made to integrate the objectivist and subjectivist perspectives within the proposed conceptualization of places. More specifically, the degree to which a place has been transformed by its occupants from a mélange of material elements into a symbolically meaningful setting serves as an important criterion for describing and comparing diverse environments.

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the individual's perception of the environment (cf. Moore & Gollege, 1976), the Finally, whereas most research on environmental cognition has emphasized present analysis encompasses the phenomena of social perception-that is, the processes by which setting members collectively perceive and ascribe meaning to their sociophysical milieu. By focusing on the common or widely recognized meanings that become associated with the molar environment, our analysis offers ectivist views of the environment, which avoid reference to perceptual processes "middle ground" between subjectivist perspectives, which construe environmental perception as essentially a personal, idiosyncratic phenomenon, and ob-

It is apparent from the preceding discussion that places can be characterized in lems of numerous criteria, including their overt physical attributes, individuals. perceptions of those attributes, and occupants' collective interpretation of place meanings. We have chosen to develop a categorization of places based on their functional, motivational, and evaluative meanings, as reflected in the collective appraisals of their occupants. We believe that an analysis of collectively held place meanings offers conceptual leverage for understanding phenomena such as the degree to which occupants feel dependent on or attached to a particular place, their reactions to abrupt environmental change or relocation, and the conditions under which residents and users will be motivated to improve or withdraw from a

ings of places, it is necessary to examine the processes of collective perception in more detail. Our discussion of these phenomena builds upon an earlier analysis As a basis for identifying the functional, motivational, and evaluative meanof group-place transactions presented by Stokols (1981).

<sup>&</sup>lt;sup>2</sup>As examples of the polarity between objectivist and subjectivist viewpoints in psychological research, see Brunswik's (1943) "encapsulation" critique of Lewin's (1936) life-space concept; Gibson's (1977) theory of environmental affordances vis-a-vis Neisser's (1976) constructivist view of perception, and Wohlwill's (1974) article, "The environment is not in the head!"

# The Social Perception of Places

residual meaning that becomes attached to places as the result of their continuous association with specific patterns of activity. Just as environments can be described in terms of the imageability (or memorability) of their physical elements imageability-that is, their capacity to evoke vivid and collectively held social meanings among the occupants and users of a place. The sociocultural meanings The widely recognized images or meanings conveyed by places constitute the nonmaterial properties of the physical milieu-the sociocultural "residue" or 1960), they also can be characterized in terms of their social associated with a place can be thought of as a kind of "glue" that binds individuals and groups to a particular environment.

Not all places can be characterized as socially imageable, due to the absence of certain circumstances that foster the development of social imageability. One such factor is the regularlity with which places are occupied. We can distinguish between patterned-activity (i.e., regularly occupied) and nonpatterned-activity (i.e., unoccupied or sporadically occupied places). Examples of the former include homes, schools, public parks and beaches, and the entire array of behavior settings that have been investigated by Barker and his colleagues (cf. Barker & Associates, 1978). Examples of the latter include empty fields or dilapidated buildings that are neither inhabited nor used by people on a regular basis. A central assumption of this analysis is that places acquire social imageability to the extent that they are regularly and predictably associated with particular patterns of individual and/or collective behavior.

For those places that are associated with recurring patterns of activity, several degree to which inhabitants or users of the place communicate with each other additional factors may mediate the development of social imageability. For example, the frequency with which community members used a particular place. the number of people in the community who use or know about the place, and the about the sociocultural meanings of their environment are all potential determinants of social imageability.

The imageability of a place refers to those features of the environment that are highly salient to its occupants. Kevin Lynch's (1960) discussion of the physical an environment (cf. Stokols, 1979; Taylor & Fiske, 1978). Among the factors -that is, the number and intensity of highly noticeable features within imageability of places, for example, emphasizes the dimension of perceptual salience of environments are stimulus confrast, novelty, and complexity (cf. Berlyne, 1960; Kaplan, 1975; Wohlwill, 1976). that heighten the perceptual

The concept of social imageability, as used in this analysis, refers not to the motivational, and evaluative significance. These dimensions of environmental perceptual prominence of environments, but rather to their functional,

<sup>3</sup>A glossary of the various terms introduced throughout our analysis is provided at the end of ths

# PEOPLE IN PLACES: A TRANSACTIONAL VIEW OF SETTINGS

users of a place; and (3) evaluations of occupants, physical features, and/or -that is, individual- or group-specific these activities, as well as descriptive information regarding the identities and each of which is weighted by its relative importance to the inhabitants or regular connected with certain neighborhoods regarding the presumed dangerousness of salience encompass collectively held images that relate, respectively, to three activities that occur within places on a regular basis, the norms associated with social roles of setting members; (2) personal and collective goals and purposes, social functions typically associated with a place (e.g., the negative stereotypes basic facets of places: (1) their functionstheir occupants; cf. Suttles, 1968).4

physical environment to current or prospective occupants of the place. This The actual content of those meanings associated with particular places is ronment. More specifically, the perceived social field of a place is defined as the totality of functional, motivational, and evaluative meanings conveyed by the matrix of meanings is essentially a set of collectively held images that evolve as referred to in this discussion as the perceived social field of the physical envithe result of direct or indirect interaction with a particular place. The evolution of sociocultural meanings within organizations and cultural chologists have begun to apply ethnographic methods to the study of social interaction and group structure (e.g., Harré, 1977; Harré & Secord, 1972). The related meanings (i.e., those attached to a particular environment or category of ethical norms) that are widely held by the members of a community but are not Agar, Chapter 2 in this volume; Berger & Luckmann, 1966; Garfinkel, 1967; environments) rather than on the broader set of social rules and meanings (e.g., Gerson & Gerson, 1976; Mead, 1934; Tyler, 1969), though more recently psypresent analysis diverges from these earlier investigations by focusing on placegroups generally has been investigated by sociologists and anthropologists (cf. necessarily attached to a specific place.

The notion that physical environments convey information about the sociocultural functions associated with them is similar to Gibson's (1977) "affordance" concept. The affordance of an object or place refers to the potential uses or 1978). Gibson has distinguished among physical affordances (those associated quences of interpersonal encounters available within a social situation (cf. Baron, Chapter 4 in this volume). Whereas physical affordances are presumed to be dances are more likely to be perceived by the members of a particular group than activities it suggests to observers by virtue of its physical properties (cf. Kaplan, with objects and places) and social affordances—the potential forms and conserecognizable by most members of a species, many categories of social affor-

<sup>4</sup>The dimensions of functional, motivational, and evaluative salience reflect the three factors of semantic meaning identified by Osgood, Suci, and Tannenbaum (1957): activity, potency, and

In the present analysis, the concept of social field subsumes only those social affordances (i.e., functional meanings) that become associated with specific places (e.g., having a drink with one's friends at a local tavem), while excluding those that are not restricted to particular places or types of places (e.g., having of a place is determined not only by the social affordances it subsumes, but also a friendly chat). At the same time, it should be noted that the imageability by those that it precludes (e.g., the difficulty of informal social interaction at a religious service).

The specific meanings associated with places can be described in terms of their content, complexity, clarity, heterogeneity, distortions, and contradictions motivational, and evaluative meanings associated with a given place. This (cf. Stokols, 1981). For example, the content of the social field can be assessed by having a representative sample of occupants list those functional, open-ended procedure is similar to Harré and Secord's (1972) notion of "accounting" (i.e., the explication of social action in terms of shared social meanings reflected in individuals' accounts of their social experiences) but pertains more specifically to the sociocultural images attached to the physical environ-

The complexity of the social field can be indexed in terms of the number of shared meanings that emerge from the independent listings provided by the different users of a place. The more often a particular meaning is cited by the occupants and users of a place, the greater its clarity. An additional criterion for judging the relative clarity of place meanings is the extent to which they are rated by occupants as being highly or slightly characteristic of a particular place.5

In some situations, the content and clarity of place meanings may vary according to subgroup membership. Thus, the perceived social field can be characterized in terms of its heterogeneity, or the number of subgroups within an The social field also can be analyzed in terms of its distortions. Distortions are unrecognized discrepancies between the sociocultural images of a place and the environment for whom distinguishable patterns of meaning can be discemed. nature of the social activities and experiences that actually occur there. Distortions can arise as the result of insufficient exposure to a place (e.g., among outsiders who have never visited the area or among group members who are minimally involved in its activities) or from misinformation about the place.

<sup>&</sup>lt;sup>5</sup>Considering the perceived social field as a whole (i.e., as a composite of multiple meanings), an index of the social imageability of a place can be derived by weighting the diverse meanings of the See also Jackson's (1965, 1966) analysis of the norm ''crystallization'' for an alternative approach to the assessment of collectively perceived social meanings, and Milgram and Jodelet's (1976) methods An ambiguous social field would be characterized by low imageability-that is, by a lack or small number of vivid images and/or by a lack of agreement among occupants regarding place meanings. social field (reflecting its content and complexity) by their relative clarity among setting occupants for analyzing collective images of Paris.

of occupants. Discrepancies between the actual and preferred meanings of a contradictions—that is, their consistency with or contradiction of the preferences place are exemplified by situations in which people's images of a place are negatively toned as a result of earlier, unpleasant experiences there, or where the actual uses of a place are contradictory to its intended functions (e.g., the presin terms can characterize place meanings ence of a noisy group in a reading room at the library). We

rocal relationships between people and places. In the remainder of this section, we develop a categorization of places in terms of their functional meanings; in subsequent sections, we examine the processes by which the motivational and of places prompt their occupants to enact structural The proposed dimensions and measures of place meanings, outlined, previously offer a basis for categorizing environments and for analyzing the recipmodifications of the environment. evaluative salience

# The Functional Orientation of Places

Our analysis of the perceived social field suggests that places can be categorized in terms of their predominant functional orientations. Earlier, we distinguished ularly occupied) places. In the former, the absence of recurring activity patterns ings with the environment. Such places, because they exclude the possibility of rains, desert areas, and open fields, for example, are all unlikely places for the between nonpatterned-activity (irregularly occupied) and patterned-activity (regoccupation or are structured in ways that inhibit the development of sustained explore a desert, or wander through an open field, the probability is low that these behaviors will be repeated or exist independently of a particular person or environments and have implemented design changes that foster, for instance, functional meanings become associated with the place. In such instances, the precludes the association of unambiguous, widely recognized functional meanactivity, remain ambiguous in their functional meanings. Rugged mountain terdevelopment of patterned behaviors. Although people may climb a mountain, group. Only in those cases in which people have intervened in these natural hiking, exploring, or wandering (e.g., natural park trails) will clear-cut, places are linked with patterned activities and fall within our second category of

Considering the wide array of functional meanings that evolve within patterned-activity places, it is apparent that such meanings can be categorized within an environment (e.g., eating, socializing, parenting, political events; cf. Price & Blashfield, 1975). An alternative taxonomic approach is to subsume specific categories of behavior within a smaller set of broader categories (e.g., straightforward description of the kinds of activities and behaviors that occur strategy One such according to several different strategies.

organization of occupants. An advantage of this approach, we believe, is that it Moos, 1976). Our analysis reflects the second general strategy. Specifically, we provides transactional terms for describing environments that reflect the linkages categorize the functional meanings of places in terms of the composition and between physical and social-structural features of places.

Patterned-activity places, thus, are categorized according to whether occupants and users perceive them to be functionally oriented toward single individuals, coacting aggregates, or organized groups. (We are assuming, for the time being, a correspondence between the actual and perceived functional orientations of places. Possible discrepancies between the actual functions and the perceived functional meanings of environments are discussed in a subsequent section of the

individual-oriented places are those typically occupied by a single individual. A private study room or carrel within a library, an individual's bedroom, or the bathroom in a family dwelling exemplify such places. The physical structure and normative properties of these environments either preclude or discourage occu-

pancy by more than one person at a time.

Aggregate-oriented places are those typically occupied by coacting individuals—that is, by collectivities comprised of strangers or minimally related people. Examples of these environments include public subway stations, beaches, pedestrian malls, or parking lots. In these locations, activities are performed by several individuals who are usually unrelated to each other.

ments, are usually occupied by people who know and interact with each other on a regular basis—that is, by organized groups. The secret meeting place of a yard of a family residence, and the practice field of an athletic team exemplify (The distinguishing features of groups vis-a-vis coacting aggregates are discussed Group-oriented places, in contrast with the first two categories of environgroup-oriented places. In each instance, the predominant functions of the environment are geared toward the presence of organized groups. (See Fig. 22.1). neighborhood gang, the headquarters of a business or religious group, the backin the following section of the chapter.)

dynamic relationships between people and their environments are examined in For several of the examples just mentioned, it is apparent that the main several individuals on a rotating basis. Similarly, an athletic practice field might be reserved for use by one team only or could be utilized by different groups at on a regular basis we label same-occupant places; those whose functions are occupant places. The implications of occupant variability for understanding the functions associated with a place can be performed by either the same occupants or by different occupants on different occasions. Library study rooms, for instance, might be reserved for use by a specific person, or could be used by various times. Environments whose functions are performed by the same people carried out by different people on a rotating basis we refer to as variablethe section of this chapter focusing on settings.

The proposed categories of individual-, aggregate-, and group-oriented places are intended as "ideal types" and, as such, reflect oversimplifications of the actual environment. The meaning and applicability of the proposed place types, therefore, should be qualified in relation to several conceptual issues. First, the suggested categorization of places might imply that environments have singular, ronments varies over time, as illustrated by offices that support the simultaneous activities of individuals and small groups, or by classrooms that are sometimes used as a study place by individuals and, at other times, as a meeting place by the rather than multiple, functional orientations. Yet, the constituency of many envifunction and multiple-function places. This distinction suggests that any attempt to characterize the functional orientation/s of a place must be carefully bounded with respect to specific time and space coordinates (e.g., the use of Room 432 on people enrolled in a course. Thus, a distinction can be drawn between single-Thursday from 1:00 to 2:00 P.M.; the conference meeting area within the executive suite of ACME corporation).

Closely related to the issue of single versus multiple functions of places is the sociated with individual study, but also with those reflecting the administration nested or hierarchical structure of environments (cf. Barker, 1968). Library study rooms, for example, are located within broader territorial and administrative systems (e.g., the library building, the campus environment). Thus, such places can be characterized not only in terms of the functional meanings asof the library (e.g., the maintenance schedule dictating the times at which study rooms must be vacated by readers to permit floor mopping, or the opening and closing hours of the library building).

The functional meanings associated with library study rooms can be assessed general, our analysis of place meanings emphasizes the perspective of performers within places, but it is important to note that the images of environments can be assessed from the vantage point of administrators and managers, or from the from the perspective of individual users or from that of library administrators. In perspective of potential occupants who have had minimal direct exposure to the environment under consideration.

An additional distinction between geographical versus generic places should be noted.6 The former refers to a particular geographical area whereas the latter refers to a category of places that are functionally similar. For instance, in tions regarding the complexity, clarity, and heterogeneity of place meanings reflected in the respondents' comments. The composite of functional meanings allempting to ascertain the functional orientations of BarBQue restaurants, we can query current or potential customers of BarBQue restaurants in general, or we can ask them about "Shorty's BarBQue on Dixie Highway in South Miami, Florida. " The level of specificity of the environment poses a number of implica-

<sup>\*</sup>The distinction between particular and generic places was suggested by Stephan Kaplan in a personal communication

perceived by actual versus potential users of an environment are more likely to likely to have encountered indirect information about restaurants in general, via conveyed by a generic category of environments. Moreover, the place meanings diverge when they consider a specific place rather than a more general category of places. For example, people who have never been to a restaurant are more associated with a particular place is likely to be more complex (detailed) than that the media and friends, than about a specific eating place

sonal meanings can be arrived at on an idiosyncratic basis (i.e., through intuition alone), through direct experience with an environment, or through communication with others about their experiences with a place. Personal meanings become part of the perceived social field, described earlier, to the extent that they closely resemble (or are cross-validated by) the place meanings perceived by other users Finally, the relationship between environmental specificity and the characteristics of place meanings (e.g., their complexity, clarity) suggests the impormotivational, and evaluative meanings) that are held by single individuals. Pertance of distinguishing among personal, common, and shared meanings of environments. Personal meanings are impressions about places (i.e., their functional, of the environment.

these categories of meanings is that the former do not presuppose communication functional meanings associated with public beaches may arise as the result of each bather's personal experiences with the beach or through communication By contrast, the meanings that become attached to the "turf" of a neighborhood Considering those meanings that are subsumed under the perceived social field (i.e., are jointly held by current or potential occupants of the place), we can distinguish between common and shared meanings. The key difference between among place users (that is, the commonly held meanings do not arise, intensify, or change as the result of such communication), whereas the latter do. The about the beach with sources other than fellow bathers at the time of occupancy. gang arise through the joint use of and communication about the area by mem-

## Summary

social field-evolve from the sustained interactions that occur within it. The In this section, we have divided places into two general categories: (1) unoccupied or irregularly occupied; and (2) regularly occupied. When places are occupied on a recurring basis, they become associated with widely recognized. its perceived major components of the perceived social field are the functional, motivational, sociocultural meanings. These collectively held images of a placeand evaluative meanings of places.

functional orientations are reflected in the physical and normative properties of The patterned activities that occur in regularly occupied places can be oriented toward single individuals, coacting aggregates, or organized groups. These

places. The characterization of places in terms of their functional orientations is proposed as a very general classification scheme; several factors that qualify the ing outlined and qualified some of the functional properties of places, we turn now to a more explicit analysis of the composition and organizational attributes proposed categorization are discussed (e.g., variability among occupants.) Havof the occupants within places.

# OCCUPANTS: THEIR COMPOSITION, ORGANIZATION, AND RELATIONSHIP TO PLACE

others, has been studied extensively by social scientists. The results of many of these investigations could be usefully applied to a description of place occupants. Any attempt on our part to review this literature here, however, would both tax our expertise and take the reader far beyond the scope and intended focus of this chapter. Instead, we highlight two features of occupants that critically influence particularly relevant to our development of a setting taxonomy. We first consider degrees of associations that exist between places and people. Our distinctions ever, in the following section of this chapter, the dynamic implications of these The number of ways people vary, both as individuals and in commerce with the types of transactions that occur between people and places and are, therefore, the composition and organization of occupants, and then discuss the types and among occupants along these two dimensions are, primarily, descriptive. Howdistinctions are developed.

# Composition and Organization

One of the first things that is obvious when viewing place occupants is simply the who appear to behave independently of one another (e.g., an audience at a Figure 22.2). Before discussing some of the implications of this classification number of people present. Is an occupant alone, or are there more than one occupant present in the same place? And, when there is more than one person present, how do the occupants relate to one another? That is, are they individuals Broadway play) or are they more of a unit (e.g., a family picnicking together?) These initial observations produce an unambiguous classification of occupants. People in places act alone, as part of an aggregate, or as members of a group (see scheme, we would like to clarify our distinction between groups and aggregates.

rocal influence of members, amount and form of interaction, degree of real and ity, and activities performed (cf. Cartwright & Zander, 1968; Hare, Borgatta, & Definitions of groups are numerous and range from general, inclusive descriptions to very elaborate, precise delineations. This range comes from the number of characteristics used to describe groups, including: internal structure, recipperceived boundedness, objectives (e.g., work, therapy), size, level of formal-

1972). Because of this variety, and our emphasis on group-occupied places in the next section of this chapter, it is important that we make explicit our meaning of groups vis-a-vis aggregates. Shaw (1976) defines a group as: ''... two or more persons who are interacting with one another in such a manner that each person influences and is influenced by each other person [p. 11]. " We would like to add Bales, 1965; Kelley & Thibaut, 1978; McGrath, 1964; Shaw, 1976; Steiner, to this definition the criterion that members are aware of their interdependence. This expanded definition complements our goal of clearly differentiating groups from aggregates, while simultaneously allowing us flexibility and leverage in our discussion of setting dynamics in the following section. In that section, we discuss a number of group characteristics (e.g., boundedness, formation, structure, etc.) that are not explicitly reflected in the foregoing definition.

ferences among individuals that impact on the transaction between person and Although the classification of occupants by number (single versus multiple) and organization (aggregate versus group) is straightforward, each occupant category has complex implications when the transaction with place is considered. When acting alone, an individual brings to a place a number of personal factors (e.g., values and attitudes, dispositions, history, and behavioral style) that will influence his or her perception and use of the resources within that place. Thus, in conjunction with "collectively held images," there are a number of dif-

individual and social issues are further complicated by the features that distin-As soon as two or more people transact with the same place at the same time, a number of social factors, in addition to the individual issues, become relevant. For example, social facilitation (Zajonc, 1965), privacy (Altman, 1975), personal space (Evans & Howard, 1973), distribution of resources (Wicker, 1979a, 1979b), and complementarity in personality styles (Altman, 1977) are issues that may influence the person-place interface. When the occupants are a group, these guish groups from aggregates (i.e., the interaction and interdependency of members), as well as by other characteristics that are specific to groups (e.g., intenal structure and cohesiveness).

On a very general level, variations in occupant numbers and organization tively held images of the place. A member of an aggregate has the same sources influence the sources and kinds of information available to the occupants. The sonal experience with the place, shared norms, and the widely known and collecof information, with the additional input acquired from observing the transactions of others with the place; and, group members' experience is further augmented by the explicit sharing among members of place impressions and imperceived place meaning for a person acting alone derives from his or her per-

One example of the possible impact of information differences on personplace transactions comes from viewing a person who enters a place for the first time and is faced with the immediate task of determining what behaviors are appropriate and how to best use the resources available. If alone, this occupant norms. If others are present in the place, social cues are available; and, if there is has no social cues and, therefore, must rely on the physical cues (i.e., affordances) provided by the place, and whatever he or she knows from general a group of friends present, the individual can enhance his or her commerce with the place by asking them relevant questions.

This example suggests a further nuance in a person's commerce with place that differs because of the number and organization of occupants. Though the presence of others may provide additional information about behavior, it also may restrict behavior. When alone, inappropriate behavior cannot be judged or evaluated by others. However, when in the presence of others, a degree of conformity is a probable outcome and pressures toward conformity are even stronger within a group (cf. Cartwright & Zander, 1968). Thus, even though movement from individual to group increases information, it may concomitantly decrease one's freedom of self expression.

## Relationship to Places

considerably. An individual may walk alone along a beach, join a crowd of people who are watching a sailboat race, and by chance meet some friends who Whether occupants are discussing sailing. In each of these situations, the association between person and place is short-lived and impromptu. Furthermore, the probability is low that the same or similar activities will predictably recur in the same places. When people occupy particular places on a sporadic basis, we describe them in these are acting alone or in the presence of others, their association with place can vary Objective Properties of Association: Place specificity. situations as being place nonspecific.

Another situation in which people are place nonspecific is one in which they are members of organizations that rarely (or. perhaps never) meet in a particular place on a regular basis. Members of unions and professional organizations, for example, may be place nonspecific. For them, there is no shared image of a physical place, and though recurring behaviors may occur (e.g., voting by mail for leaders), they do so independently of place.

later in this section, place specific), we are not talking about trans-situational traits. Certainly, there are different styles among people in their associations with tion with place. That is, some people may more frequently be place nonspecific It is important to emphasize that when we use the term place nonspecific (or, places and one difference may be the recurring nature of an occupant's associathan others. However, our application of this term is limited to particular activilies associated with distinct places. Limiting the term to a description of specific situations promotes a more ecological perspective than viewing it as a trait. That is, it forces us to consider the multiple factors (including individual differences) that would produce a place-nonspecific (or place-specific) association. We describe people as pluce specific when they perform particular activities To distinguish among situations in which occupants are associated with particular places versus categories of places, we use the terms geographical and generic place specificity, respectively. Examples of geographical place specificity are the student working in a library carrel over a school year, the businessperson who works in an office each day, the secretary who performs his or her job-related activities at the same desk, and the football team that practices on its home field each week. These associations between people and places are predictable and in the same location or in categories of places, on a regular, predictable, basis. they recur on a regular basis.

cific. For example, a group of friends may meet for lunch, every Monday, but rotate their meeting places among restaurants. Or, a scientific organization might rotate annual convention sites among a number of university campuses. In both -that is, the places they occupy are alike in characteristics that are essential to the activities in question (in these If people perform particular activities at differently located, but functionally similar, places, we describe their association to place as generically place speexamples, eating lunch and exchanging information and ideas). of these examples, the people are place specific-

ever the antecedents or causes, people do develop different modal styles in their nonspecific. For example, activities vary in terms of how place specific the playing tennis requires a court, net, and so on. Activities may also differ by how Some, for example, may require more privacy or solitude than others. People variations could evolve from personality traits (e.g., a rigid versus open style), or economic realities including income and mobility (cf. Michelson, 1977). Whatassociations with particular activities and places. These styles can be classified into the two broad categories of place specific and place nonspecific. In most instances, this classification is easily done and is based on objectively observable events. Within the set of place-specific occupants, there are two further objective properties of association that merit consideration. These are endurance and There are several possible reasons why people are place specific or place resources are that they require. An individual can hike in a number of places, but acceptable their performance is in particular places (cf. Price & Bouffard, 1974). also differ in how flexible they are in their use of the environment. These

A farmer who has worked the same land all of his or her life has an association argue that the association that has existed between the family and place has a quality of endurance that goes beyond the experience of the one, current family with place (i.e., the farmland) that has persisted over a lifetime. If the farmer's family has owned and worked this same land for several generations, one might member. That is, the farmer's sense of endurance is based on his or her actual transactions with the land, and is amplified by the ancestral ties.

enduring to transitory place specificity. Individuals, however, may associate The example of the farmer represents one end on a continum ranging from

tory room will probably not persist beyond 1 year. Even shorter associations occur between groups that form to solve specific problems in a given period of endurance might range from a lifetime to a few days. In all cases, the people are place specific; but, the quality of their transactions with the environment varies with places in less enduring ways. A student's relationship to his or her dormitime and that use the same place for their problem-solving activities. Thus, considerably as a function of endurance. Although frequency of association may relate to endurance, it is not the same property. That is, people may have an infrequent, but enduring association with a decades, but it occurs only once per year. The problem-solving group described in the earlier example may meet six times per day for 1 month, or only three place. For example, a group of college alumni may annually reconvene for the times during their existence as a group. For the farmer and dormitory student, frequency of transaction with place is very high. Endurance, however, ranges homecoming football game. Their transaction with place may endure for several from 1 year to one lifetime.

very little linkage to others. When occupants perceive themselves as having a trast, when occupants observe a weak connection between themselves and a In addition to the same person may feel an intense or compelling connection to some places, and strong association with a place, we describe them as place dependent. In conplace, they are characterized as place independent. Thus, place dependence objective properties of association (i.e., specificity, endurance, and frequency), there is a subjective quality to the relationship between occupants and places. describes an occupant's perceived strength of association between him- or her-Individuals have differing perceptions of their associations with places-Subjective Properties of Association: Place Dependence. self and specific places.7

This perceived strength of association can occur at any level of analysis with respect to place. That is, a person may be place dependent on a home, a

In the original definition, place dependence referred to an onegoing serting, and the degree to which the major functions and actual existence of the setting are linked to a specific physical environment. In addition, the definition was limited to group members' collective perceptions of the <sup>7</sup>This presentation of place dependence extends an earlier definition presented in Stokols (1981). connections between setting functions and places

the inclusion of individuals and aggregates, as well as groups, as possible setting occupants; (3) a applying it to categorically similar places, as well as to specific geographical areas; and (5) the inclusion of a temporal component of place dependence that extends the concept from present to past Our revised definition of place dependence is broader than the initial description, and differs in certain respects. These differences include: (1) an emphasis on the occupants' perceptions of the detailed discussion of the processes underlying the development of place dependence and those factors that strengthen people's subjective attachments to places; (4) an extension of the concept by strength of association between themselves and places, as well as between their group and places; (2)

dependent for some associations, and place independent for others, (e.g., a person may feel a strong attachment to his or her home, but not to the office in neighborhood, or an entire city. Furthermore, the same person may be place which he or she works)

"rights" to use of "their" beach area, and who is an outsider. This implicit understanding could bolster both their coactive and their individual responses to aggregate, as opposed to an individual, perception—a kind of surrogate social The surfers may have a tacit agreement among themselves as to who has the "best" in their area. Though they behave fairly independently of one another mon. They are all place dependent with respect to that beach. Their commonality in place dependence could produce behaviors that derive strength from the support system (cf. Jacobs, 1961). Territorial behavior exemplifies this point. ceding example), aggregates', and groups' relationships to places. A number of surfers, for example, may feel a strong attachment to a beach that they consider (i.e., constitute an aggregate), their perceived association with the place is com-The place-dependence dimension is descriptive of individuals' (as in the prepotential encroachments.

as a team, be place dependent on Candlestick Park. This strong association could meanings, the park may uniquely support the team's activities, they may have a Whatever the contributing elements, the outcome is a strong link to a specific evolve from a number of factors. Team members may share perceptions of place higher success rate at "home," and there may be little opportunity for relocation. Groups have perceived associations with places that transcend the place dependence of individual members. The San Francisco Giants, for example, may,

terization of the concept. In order for place dependence to be usefully applied to description to a more systematic and dynamic analysis. That is, we need to focus on the factors that underlie individual or group assessments of dependency on they include an occupant's assessment of: (1) the quality of current place; and settings, however, it is important that we go beyond this imprecise and static place. These factors can be organized within a two-component process. Briefly, Our definition and examples of place dependence provide a general charac-(2) the relative quality of comparable alternative places.

ponents, therefore, merely model the process undergone by occupants when consciously monitoring their transactions with places. Place dependence is not always salient to occupants. Rather, it becomes relevant when circumstances occur that heighten the occupants' awareness of their associations to places. Periods of abrupt environmental change, relocation, and very pleasant or unpleasant experiences with places are all circumstances that could bring issues of place dependence to the fore (cf. Fried, 1963; Michelson, 1977). Our two com-Before expanding on these components, we should note that although we are conceptualizing place dependence as evolving from occupants' assessments of the quality of places, we are not suggesting that people are continuously and self relevant levers cause place dependence to become prominent.

their association to a place, they will likely assess the place's quality, and the Whatever the particular triggering incident, once people become aware of tion (i.e., how dependent they are on a particular place). In evaluating the quality place-the better a place meets one's goals, the greater one's satisfaction. This quality of relevant alternatives, in order to determine the strength of their associaof a place, individuals judge how well the place facilitates their goals and activilies. This is particularly true of those goals and activities that are most important to them. The result of this evaluation determines an occupant's satisfaction with a kind of assessment is necessarily subjective and based on some internal standard of the occupant's as to how well a place should meet one's goals. That is, people derived from a person's direct or vicarious experiences with possible outcomes, expect certain outcomes in their transactions with places. These expectations, produces his or her Comparison Level (CL) for places (Thibaut & Kelley, 1959). Thus, degree of satisfaction with place is indexed by the extent to which an existing place's quality diverges from the occupants' CL for places (i.e., their expected level of place quality.)

A number of factors contribute to an assessment of place quality. As noted, a valence of these experiences will determine current CL. Thus, for example, if person's CL develops from his or her previous experiences with places. The individuals historically have had relatively negative outcomes, their CL will be low and they will have lower expectations in their evaluation of place quality. In contrast, a history of positive outcomes with current or comparable, previously experienced places will raise their CL and, concomitantly, the expectations imposed upon their current situation.

place facilitates or inhibits goal attainment and, thereby, assessments of place Several features of the resources available within a place can affect whether a quality. These include the amount of resources in an area, their caliber, and the degree to which they fit the needs of the occupant. The impact of each of these resource characteristics on assessments may vary considerably, and is dependent on the goal in question. For example, a hospital patient whose goal is to become healthier would be more concerned with the caliber or expertise of his or her doctor than with the number and variety of doctors available within that particu-

The value or salience of the goals that are met in a particular place also influence judgments of quality. Although the thwarting of any goal is frustrating, Wortman & Brehm, 1975). Similarly, the achievement of highly valued goals will produce more positive feelings than the attainment of minor ones. Therefore, the value of goals or needs will mediate an occupant's assessment of place quality by influencing the strength of an occupant's reactions to goal facilitation the more important the goal, the more upsetting its blockage (cf. Stokols, 1979)

The second component in the process of assessing place dependence involves the occupants' evaluation of the relative quality of their current situation vis-a-vis alternative comparable places. That is, occupants compare the environment they

parison Level for Alternatives (CLalt), occupants assess the quality of expected outcomes among suitable alternative places. Thus, the issue of place dependence goes beyond a simple assessment of the place currently occupied by focusing on presently occupy with places that they view as potential locations for their activities. Following Thibaut and Kelley's (1959) formulation of the construct Com-

the quality differentials among present place and relevant options.

recreational facilities and service organizations. Another couple, in the same situation, might be reluctant or uninterested in searching for options, settling groups use a variety of places for similar activities, the better able they are to make informed judgments about the relative quality of places. Both awareness and familiarity of potential locations can vary considerably among people. Differences in personality styles may explain why some people are more willing to learn about locational alternatives than others. For example, one couple moving into a new home might actively explore the environment, seeking out accessible quickly on single places for specific activities and never becoming cognizant of The identification and evaluation of alternatives is affected by several factors. ness, and to a lesser degree familiarity, with existing alternatives. Awareness refers to an individual's knowledge of relevant options. Familiarity extends awareness to actual experiences in different places. The more individuals and First, a comparison of possible options is predicated on an occupant's awareother possibilities.

Mobility is another factor that can influence an evaluation of the quality of perform most of their activities in places located within the immediate vicinity of tives, this is not necessarily the case. People who lack mobility may be aware of and familiar with alternatives, and even recognize higher quality in places other alternative places. The elderly, physically handicapped, and the poor are often severely limited in their access to different environments and are forced to their homes. Although this limited mobility can decrease knowledge of altemathan the ones they currently occupy. However, as long as places are inaccessible, they are nonviable alternatives.

The resources needed for the performance of some activities may be more specific than jogging or bicycling. Even more limiting are the resources required specific than for others, thereby limiting the number of alternative places available. Sports activities like golfing and tennis are considerably more resource by certain types of business establishments. Saw mills, ship builders, and ski resorts all are economically dependent on particular features of the environment.

Our consideration of the elements that influence assessments of current place quality (i.e., CL, resource characteristics, and value of goals), and the quality of ficity) is not meant to represent an exhaustive list. Rather, these elements are reasonable representations of the kinds of issues that contribute to the twocomponent process involved in an occupant's assessment of place dependence. relevant options (i.e., awareness of alternatives, mobility, and resource speci-In addition to these specific factors, there are a number of more subtle considera-

variations in the essential character of place dependence. We consider these variations in place dependence because of their potential implications for the tions that relate to both components of the assessment process, and account for dynamics of settings.

(e.g., primary environments) probably lead to a type of place dependence that As we have mentioned, place dependence is partially evaluated in terms of how well current and alternative places facilitate the attainment of important goals. The number and range of needs met by a particular place will affect judgments of the character of place dependence. Places that satisfy several needs can be described as being more embedded, extensive, or deep-seated for the occupants than places in which possible activities (and, therefore, attainable with current place is based on a number of expected outcomes and represents a weighted by value, and averaged across expected outcomes). In addition, the range of possible alternatives may narrow as the range of needs met in one's goals) are narrowly defined (cf. Stokols, 1979). In such situations, satisfaction kind of weighted averaging of all possible effects (i.e., all needs met in one place current environment increases.

nature of place dependence. The place dependence that occurs in environments where basic survival needs are met will undoubtedly differ from that that emerges The type of needs that are met within a particular place can also influence the in places where less crucial (e.g., recreational) needs are met (cf. Maslow, 1968). These differences would be most salient when place dependence is strong and occupants are threatened with a loss or disruption of place. The repercussions and impact of such threats would be considerably more serious in places meeting basic subsistence needs then in those associated with less central goals.

below CL. That is, occupants can be place dependent when their experiences with places are either satisfying or nonsatisfying. In some instances, people will perceive themselves as place dependent when they are satisfied with the quality of their transaction with a particular place, and they believe that this same level of satisfaction cannot be derived from their best comparable alternatives (CLalt). Occupants also can perceive themselves as being strongly linked to a particular their best relevant alternative (CLalt) is perceived to be even more negative, or when they feel they have no other alternatives. For example, institutionalized people or those who lack mobility might be dissatisfied with their current place place when their transactions with the place are unsatisfactory (below CL) but transactions, yet they may still perceive themselves as place dependent because Place dependence can occur in situations in which outcomes are above or alternatives are inaccessible.

There are several implications for the kind of place dependence that evolves in these very different circumstances. For example, when outcomes are below CL ments (e.g., vandalism; cf. Zeisel, 1976; Sommer, 1974), or they may develop a sense of helplessness (Seligman, 1975) and feel unable to act in www that will but options are worse or nonexistent, people may react against their environ-

unwilling to seek out alternatives, and/or resistant to any changes, even those that improve their lives. Conversely, place dependence that develops because of very positive outcomes may cause people to be very protective of their situations, might improve their current situations (Burton, Kates, & White, 1978).

affects its general character. As noted, place dependence can occur because of a transaction with place, a limited number of places in which the activity can be performed (e.g., saw mills and ski resorts). In other cases, options may decrease over time. That is, there may have been, initially, a number of viable alternatives for a particular activity but, as occupants spend more time in one place, a There are two ways in which the temporal component of place dependence paucity of relevant options. This lack of alternatives, however, may result from very different factors. In some situations, there may be, from the onset of narrowing of known alternatives occurs.

A second temporal feature of place dependence relates to the associations people who are relocated because of business transfers or urban renewal projects may still perceive themselves as strongly linked to their previous or past environment. As long as this perception persists, adaptation to their new environment will most likely be slow. Similarly, people may feel a compelling association toward prospective places. Members of the Palestinian Liberation Organization exemplify this temporal quality of place dependence. That is, they perceive themselves to be linked to, and dependent on, a land that they do not currenlly occupy. A strong future-oriented place dependence may influence an individual's willingness to adapt to his or her current place transactions, and his or her people sometimes feel toward places they do not currently occupy. For example, motivation to alter current activity locations.

consistencies would not affect the perception of place dependence, per se. They the discrepancies. The sudden recognition that one's formerly perceived options realized, potentially could affect the long-range survival of settings as well as the In assessing place dependence, occupants evaluate the quality of perceived place options. For a variety of reasons (e.g., awareness), there may be discrepancies between these perceived options and actual place options. Such incould, however, have major implications if the occupants become cognizant of do not really exist, or the awareness that more options exist than were initially short-term stress and well-being of occupants.

similar options will probably feel less place dependent than the individual who A final nuance of place dependence to consider here represents an extension of the CLalt construct, as developed by Thibaut and Kelley (1959). CLalt is the alternatives, as well as the quality of the best alternative, are considered by the occupant. A person perceiving him or herself to have several, qualitatively recognizes only one alternative. Thus, the evaluation of place dependence destrength of association between oneself and a place, the number of available occupant's assessed quality of the single, best alternative,

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rives from an assessment of the range or richness of options available, and the quality differentials among all viable options.

because of what it (like generically similar areas) affords. Thus, bird Consistent with our earlier distinction between geographical and generic place specificity, it follows that people can be dependent on either a particular place or on a category of places (geographical versus generic place dependence). People may care deeply about a place that they have never seen and probably never watchers may fight for the preservation of remote, relatively inaccessible places (an example suggested by Stephen Kaplan in a personal communication). People are motivated to preserve their generically similar place options-they care about alternatives that are attractive to them in principle, irrespective of whether they have experienced them in the past or are likely to do so in the future.

and the impact of settings' termination on occupants, are mediated by the We have endeavored to define and characterize place dependence because we consider the concept to be critical in understanding several issues related to quality) can be expected to affect the dynamics of settings in several ways. The settings. Occupants' willingness to alter existing settings or establish new ones, strength of association between place and occupant (cf. Firey, 1945; Fried, 1963). Moreover, the subtle variations in place dependence (e.g., its temporal Palestine Liberation Organization provides an interesting example of how these variations manifest themselves.

achieved in the current setting (below CL) and those believed to be attainable in the ideal setting (above CL) is stressful, motivating the group to resist adaptation and the tonomy as a nation) needs can be met. The incongruity between the outcomes to their current setting and continually strive for their ideal. The PLO is, perhaps, impact of these variations on settings. The more typical ways in which dependence might influence settings are discussed in the following section of this chapter. Before discussing the dynamic interface between people and places (i.e., settings), a brief review of our categorization of occupants may be helpful ments outside of Israel) because (1) this environment meets the subsistence needs of the members; and (2) the locational alternatives of the group are severely limited. At the same time, the group is dependent on an unrealized future place tence, higher-order personal (e.g., self respect) and group (e.g., collective au-The PLO, as a group, is dependent on its current environment (i.e., settle-(i.e., a Palestinian state) that represents an ideal in which the member's subsisan extreme example of the possible variations in place dependence

### Summary

People occupy places individually, or as a part of aggregates and groups. The relationship between people and places may be regular or sporadic. When people

nonspecific. Regular relationships between people and places vary objectively tively, there may be differences in the degree to which occupants perceive occupy a particular place on a predictable basis, we describe them as place specific. When their relationship to place is irregular, we describe them as place with respect to the frequency and enduring nature of the transactions. Subjecthemselves as linked to a particular place (i.e., place-dependent versus placeindependent people).

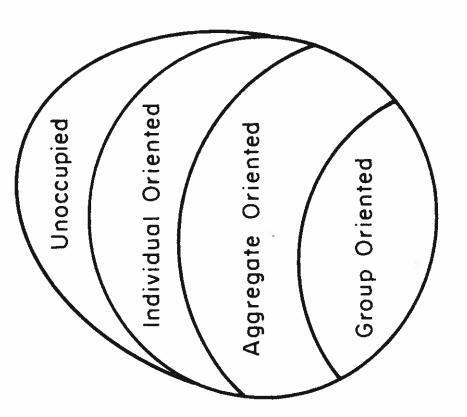
# SETTINGS: THE TRANSACTIONS AMONG PEOPLE AND PLACES

functional orientation? To what extent does place dependence mediate people's or occupational relocation? What factors prompt people to actively modify their those dimensions. To this point in the discussion, we have neglected questions reactions to abrupt environmental change and to life events involving residential The preceding discussion offers a set of dimensions for categorizing people and functional orientations, and people in terms of their organization and the type and degree of their associations with places. Although the proposed dimensions are -that is, they reflect the inherent interrelatedness of people and places-we have yet to examine explicitly the dynamic relationships implied by such as the following: Under what conditions do places acquire a particular places. In general, places have been characterized in terms of their predominant sociophysical environment? transactional–

To address these and related questions pertaining to people-place transactions, we begin by delineating a taxonomy of settings based on the dimensions presented in earlier sections of this chapter. Having designated the various types tionships among people and places that are associated with those settings. Our analysis of people-place transactions is organized around a broad set of issues relating to the "life cycles of settings" (cf. Devereux, 1977; Stokols, 1978; Wicker, 1979a)-that is, the conditions under which settings are established. of settings included in our taxonomy, we proceed to examine the dynamic relamaintained, modified, and/or terminated.

## A Taxonomy of Settings

The intersection between categories of places (see Fig. 22.1) and categories of that is, nonpatterned-activity places that are either unoccupied or sporadically occupied by place-nonspecific people (see Fig. 22.3). Moreover, settings can be partitioned into six major categories on the basis of the composition and organization of their occupants (individuals, aggregates or organized groups) and the people (see Fig. 22.2) illustrates the distinction between settings-that is, -and nonsettingspatterned-activity places occupied by place-specific people-



## PLACES

FIG. 22.1. Categories of places according to their functional orientation.

predominant functional meanings associated with their physical milieu (indinant, widely recognized orientation of the setting (e.g., an individual studying in a library carrel) or inconsistent with that orientation (e.g., a raucous group that vidual, aggregate, or group oriented), as depicted in Fig. 22.4. Thus, the composition and organization of occupants can be either consistent with the predomiappropriates a library study area as a regular meeting place).

Because the proposed categories of settings represent "ideal types," they necessarily oversimplify a number of inherently complex issues, including situations in which settings are associated with multiple functional orientations (e.g.,

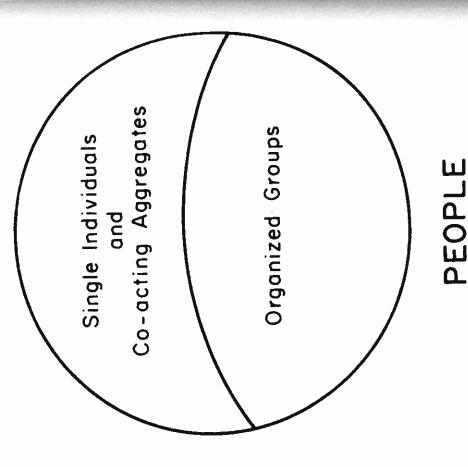


FIG. 22.2. Categories of people according to their composition and organiza-

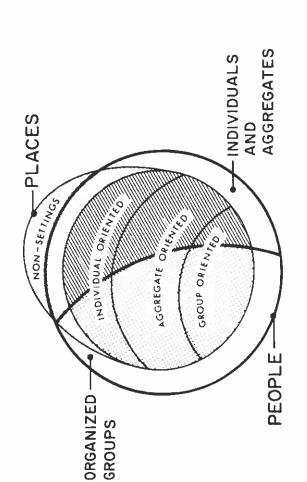
a large company office containing individual work stations, aggregate-oriented reception areas for visitors, and group-oriented conference rooms), and are occupied simultaneously by individuals, aggregates, and groups. Clearly, then, the boundaries between the proposed categories should not be viewed as rigid and impermeable.

The utility of the proposed taxonomy of settings, we believe, resides not so settings may be, they nonetheless suggest several intriguing questions concerning in what ways do the consistencies or discrepancies among place orientations much in its descriptive capacity but rather in the range of theoretical questions and hypotheses that it suggests. As oversimplified as the proposed categories of the etiology, maintenance, modification, and demise of settings. For instance,

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ternal cohesion or conflict? It is with these kinds of transactional phenomena and occupant organization predispose settings to stability or instability, to inthat we are concerned throughout the remainder of this chapter.

aggregate-occupied settings. Our reasons for focusing on this subset of our settings affords the consideration of social-structural as well as personal and taxonomy are threefold. First, people spend an inordinate amount of their daily Before turning to an analysis of the life cycle of settings, we should note once again that our discussion focuses on group-occupied rather than on individual- or routine within group-occupied places, be they family dwellings, classrooms, company offices, or friends' homes. Second, the analysis of group-occupied architectural-geographical elements of settings. And third, due to space limitations, it is not possible in this discussion to provide a more comprehensive treatment of the full range of settings included within our taxonomy.

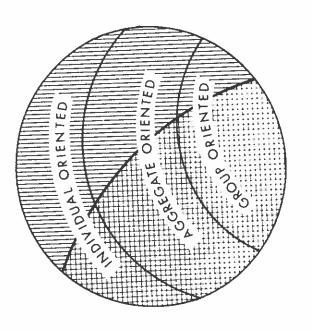


Non-settings (unoccupied places or those without recurring activities)

Settings occupied by individuals and aggregates

Settings occupied by groups

FIG. 22.3. The intersection of people and place categories.



## SETTINGS

by individuals Settings occupied and aggregates

Settings occupied by groups

FIG. 22.4. A taxonomy of settings.

## The Life Cycles of Settings

nature of those processes by which behavioral 'swirls and eddies" are trans-Factors Affecting the Emergence of Settings. Edward Devereux, in a recent havior settings are nothing more than the swirls and eddies in the flow of motivated human behavior which have become, to some degree, organized, stabilized, localized, recurrent and institutionalized [p. 13]." But what is the formed into organized and enduring settings? As a preliminary basis for addressdiscussion of the life cycles of settings (Devereux, 1977), has stated that "Be-

cupied (patterned-activity) areas. Moreover, we distinguish among situations in which the emergence of a setting coincides with the gradual development of a group within a particular place, and those in which a setting emerges as the result of territorial migration or invasion on the part of a preexisting group. These and their interaction yields four different sets of conditions under which settings potentially, a setting; or (2) are abruptly appropriated by a preexisting group; and outside group. In the third and fourth instances, the previous meanings and orientation of the place are altered by the emergence or invasion of the new ing this question, we distinguish between settings that emerge within previously unoccupied (nonpatterned-activity) places and those that develop within ococcupied areas that either (3) permit or encourage the development of a new group; or (4) are invaded by (or peacefully merge with) an already existing, antecedents of setting development are interrelated but not wholly overlapping, evolve: unoccupied areas that either (1) foster the development of a group and,

settings. The emergence of a setting occurs at the outset of phase 3, once the phase; and (3) the patterned-activity phase. The first phase applies only to Before examining the specific factors that influence the emergence of settings within unoccupied or occupied areas, it is necessary to consider the temporal stages reflected in the emergence of settings. At least three such stages can be identified; (1) the inert (or sporadic-activity) phase; (2) the transitional-activity nonsettings---that is, unoccupied places or those characterized by sporadic occuoccupied areas characterized by preliminary patterns of activity but lacking the clarity of functional orientation and occupant organization that typify structured predictability, functional meanings, and occupant structure (e.g., role relationships) associated with patterned activities are recognized and maintained by pancy and activities. The second phase describes 'transitional places' -- that is, setting members.

Note that patterned-activity places (i.e., settings) are conceptualized in this analysis as more than the objective ''social facts'' described by Durkheim current, or prospective occupants) of the stable, functional meanings associated with a place, and of the organizational requirements for maintaining the setting (1964). That is, the emergence of settings in our analysis presupposes a subjective dimension involving the recognition among occupants (including previous, objective social forces whose existence and impact are collectively recognized. intact. Thus, settings are construed as a category of "perceived social facts".

Having outlined some of the spatial and temporal patterns of setting establishment of settings within unoccupied and occupied areas. Our analysis cupied place from a composite of purely physical elements into an organized setting-a mixture of social as well as physical affordances. Second, we consider emergence, we now consider a number of specific circumstances that foster the focuses, first, on conditions favoring the transformation of an initially unoc-

such that the symbolic meanings (e.g., functional orientation) previously asfactors contributing to the evolution of new settings within already existing ones,

sociated with the place undergo fundamental change.

chapter and in Stokols, 1981). Thus, the distinction between manifest and latent value relates to whether or not potential or current occupants recognize the place occupants as congruent or incongruent with their preferred goals and activities (see also the definition of environmental congruence in the glossary of this modating the preferred goals and activities of prospective occupants. To the extent that this supportive capacity of an environment is recognized and, in some Our earlier discussion of perceived environmental quality and place dependence, for example, emphasized the manifest value of environments. That is, environmental quality is judged in terms of the degree to which places are viewed by The latent value of a place refers to its as-yet unrecognized capacity for accomcases, actualized by occupants, its value becomes manifest rather than latent. We begin with the assumptions that unoccupied places are differentially suitable for the establishment of settings, and that those areas of greatest latent value to prospective occupants will be most likely to evolve into organized settings. as congruent with their needs.

value of places is not actualized due to physical barriers or normative constraints winter has latent potential value as an outdoor recreational area. Once the pond is sitional (presetting) activity develops in the area. To the extent that manifest or recognized value is high, the likelihood of a setting emerging (e.g., an outdoor skating rink) is enhanced. Note that in some instances, the recognized potential the perceived fit between physical affordances of an environment and the activities of its users) offer a basis for estimating the latent value of places. For example, an out-of-the-way, undiscovered pond that remains frozen throughout discovered by ice-skating enthusiasts, its potential value is recognized and tran-The same kinds of factors that determine assessments of manifest value (e.g.,

(e.g., the presence of "no trespassing" signs near the pond).

esthetic quality of a place, its proximity to transportation and communication protection and well-demarcated group territory. Among the occupant attributes that are likely to contribute to assessments of place value are the range of alternative environments available to occupants, and the kinds of environmental facilities, and the degree to which its geographical characteristics offer physical utes of a particular set of occupants. The present discussion is not intended to provide a comprehensive listing of the determinants of place value, but it is possible to suggest certain environmental and occupant factors that are relevant to this issue. For instance, places whose supportive physical features are unique (i.e., few comparable areas exist elsewhere or are accessible) are likely to be of high value to prospective or current occupants. Such features might include the tion of the potential or actual match between place characteristics and the attrib-Any attempt to assess the latent or manifest value of places requires considerasupports that are required for their accomplishment of desired goals and activi-

to attract and sustain transitional activity than those of low latent value; and that (2) the higher the manifest value of a place either prior or subsequent to occupancy, the greater the probability that patterned activities will be established and unoccupied places high in latent value for prospective occupants are more likely Considering the three phases of setting emergence proposed earlier (i.e., inert, transitional activity, and patterned activity), we thus hypothesize that: (1) a setting will form.

with the place. Moreover, (5) the direction of occupants' assessments toward either place dependence or independence will be mediated by the quality of their formed groups, the physical environment will be viewed as symbolic of group sessments of place dependence or independence will be more extreme among local versus migratory groups due to the former's relatively greater experience migratory groups is assumed to result from the greater experience of local groups with a place prior to setting emergence, and the temporal linkage of group formation processes (e.g., the development of cohesion) with the establishment of a setting. At the outset of the patterned-activity phase, then, members of tion of place meanings than will those of migratory groups. Thus, for locally identity. Accordingly, we predict that: (4) within newly formed settings, asgradually within unoccupied areas will ascribe greater symbolic meaning to place heightened symbolic meaning of the physical milieu for locally formed versus locally formed groups will manifest greater clarity and consensus in their percep-We further hypothesize that: (3) the occupants of settings that emerge than will the members of preexisting groups that migrate to the area. cumulative experiences within that environment.

conflict, particularly when place meanings associated with the original and newly formed settings are contradictory. Differing perceptions of territorial jurisdiction and ownership rights exemplify sources of conflict among occupant groups who As our analysis of setting development shifts from initially unoccupied to already-occupied areas, additional conceptual issues arise. Most importantly, the tion of physical affordances into symbolic meanings, but also the modification of the existing, symbolic meaning by the new occupants. This alteration in the establishment of new settings in occupied areas involves not only a transformaperceived social field of the environment introduces the potential for lay claim to the same area.

literature of ecological psychology (e.g., Bechtel, 1977; Lozar, 1974; Srivasexisting one occurs without social conflict. This is particularly the case when members of a preexisting setting decide voluntarily to subdivide into smaller settings or to merge with the members of an outside group. Examples of subdivision within settings and mergers between them can be found in the research In many situations, the establishment of a new setting within an alreadytava, 1974; Wicker & Kauma, 1974). This literature also provides evidence for the impact of subdivisions and mergers on organizational effectiveness and member well-being.

The establishment of a new setting within an occupied area, however, often raises the potential for social conflict, especially when members of the original An attempt by an alienated faction of a teenage gang to develop an alternative setting within an existing one, or the appropriation and alteration of a setting by another gang, exemplify the involuntary or imposed establishment of settings in setting view the impending subdivision or merger as unwanted and involuntary occupied areas.

The preceding discussion suggests the following, additional hypotheses:

- an already-existing one decreases as the potential for conflict between members The likelihood of a new setting developing within the territorial domain of of the two settings increases.
  - . The potential for intergroup conflict is heightened to the extent that the original setting undergoes involuntary subdivision or merger (particularly when territorial resources are limited and the place meanings perceived by members of the original and new settings are contradictory).
- 8. Given a high level of potential conflict, active attempts to establish new settings within existing ones will promote overt, intergroup aggression to the degree that the relative power (e.g., membership size, economic resources) of the opposed occupant groups is comparable. Differential power among occupant groups is expected to reduce the likelihood and duration of overt violence, following nonvoluntary subdivisions and mergers of settings (cf. French & Ra-

Because of our focus on group-occupied settings in this discussion, we have emphasized the role of intergroup conflict as a concomitant of setting emergence in certain situations. We should note, however, that attempts to establish new accompanied by conflict arising among different mentioned examples of a noisy group "hanging out" in a library study area, or a youth gang whose "turf" includes the parking lot of a shopping center, illustrate aggregate conflicts. Thus, in relation to our proposed typology of settings (see Fig. 22.4), we hypothesize that: (9) the likelihood of a new setting developing within an occupied area decreases to the extent that its membership structure (e.g., group organization) is discrepant with the predominant functional orientation (e.g., individual or aggregate orientation) of the original setting. In those instances in which functionally discrepant settings do emerge, their stability and duration are likely to depend on the rigidity and enforcability of functional categories of occupants (i.e., groups, aggregates, and individuals). The earliergroup-versusand involving potential group-versus-individual meanings associated with the original setting. settings are sometimes situations

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-precede the appearance of those processes by which existing settings are maintained, modified, and terminated. The present section considers some of those processes by focusing on three additional (5) the deviation phase; and (6) the structural-transformation phase. In the by the occurrence of events within settings that lead to their deterioration and eventual demise. Crisis events are viewed as a category of severe deviations and stages of setting emergence previously discussed—that is, the sporadic, transtages in the life cycle of settings—namely, (4) the stability-maintenance phase; subsequent section, we examine the (7) crisis and (8) termination phases marked ransformations whose detrimental impact on the setting is irreversible. Factors Affecting the Maintenance and Modification of Settings. sitional, and patterned-activity phases-

lion, and termination phases, focusing instead on the ways in which on-going viations. Barker's (1968) analysis of behavior settings, for example, highlights protective strategies (e.g., the recruitment of additional members). Thus, the behavior setting is construed as an open system (cf. Katz & Kahn, 1966; von Bertalanffy, 1950) that strives to maintain a stable (equilibrium-like) relationship the synomorphy or fit between recurring patterns of human activity and the sociophysical environment. Deviations from optimal fit between human and environmental resources (e.g., undermanning) are counteracted by settingbetween itself and the broader environment through internal organization and Most conceptualizations of settings deemphasize the emergence, transformasettings maintain their stability and cope with environmentally induced denegative feedback mechanisms.

Our analysis builds upon earlier discussions of setting maintenance and deviation-countering processes. We assume, for example, that settings develop mechanisms for maintaining their stability (e.g., the norms and role structure associated with group-oriented settings), and for resisting internal and external threats to setting operations. The stability-maintenance phase previously mentioned is characterized by the smooth and predictable recurrence of organized tures from typical activity patterns occur, the setting is said to be in a deviation viations that result in significant and enduring changes in the setting's activity activity patterns within the setting. To the extent that perceived or actual deparphase. The structural-transformation phase is marked by the occurrence of destructure and/or physical milieu.

The present analysis, however, differs from earlier discussions of setting maintenance and deviation in some important respects. First, whereas previous analyses of behavior settings and group dynamics (cf. Barker & Associates, 1978; Cartwright & Zander, 1968) emphasize deviation-countering mechanisms, which serve to preserve equilibrium within groups, we give equal attention to the analyzed in terms of occupants' efforts to reduce population pressure by admiting fewer-than-usual new members to the setting (deviation counteraction) or, turally transformed. The phenomenon of overmanning, for example, could be deviation-amplifying processes (Maruyama, 1963) by which settings are strucalternatively, in terms of their initial decision to expand the physical size of the setting, thereby attracting larger numbers of applicants, creating overmanning and stimulating further efforts to expand the physical dimensions of the setting (deviation amplification). We view both of these perspectives as crucial to the

analysis of setting maintenance, deviation, and transformation.

geographical changes (cf. Bechtel, 1977). In the face of these events, occupants are usually portrayed as passive responders to environmental problems. Yet, it is often the case that setting members act spontaneously and decisively to refine their activities and surroundings, even in the absence of pressing environmental induced deviations to highlight both the active and responsive roles played by Second, earlier discussions of deviations within settings have emphasized the predominant role of the environment in altering stable patterns of setting activities-for example, through the sudden influx of new occupants from outside the setting (cf. Wicker & Kauma, 1974) or through abrupt architecturalproblems. Thus, we distinguish between occupant-induced and environmentoccupants in creating and coping with setting deviations.

Barker & Associates, 1978), our analysis emphasizes anticipated as well as actual deviations. Whereas the anticipation of deviations will often lead to their actual occurrence, this is not necessarily the case. A company's plans for relocation to a larger office building, for instance, may be delayed or even abandonned ring deviations within settings as separable phenomena. In the ensuing discuswe are particularly concerned with those circumstances that prompt occupants first to devise plans for transforming and improving the setting and, sub-Finally, unlike earlier discussions of disequilibrium within settings (e.g., due to resource constraints. We, therefore, treat anticipated and actually occur-

level of congruence thought to be available in the best alternative setting. The "best alternative setting" can be either a transformed version of the existing sequently, to actively implement their plans.

Under what conditions are settings likely to shift from stability to deviation and transformation phases? Our attempt to identify some of these conditions pants to modify the physical or social structure of their setting in accord with collective preferences. Transformational potential will be high to the degree that existing levels of occupant-environment congruence are lower than the potential setting or a completely different setting that has not yet been established or Stokols, 1981). Transformational potential refers to the motivation of occubegins with an assessment of the transformational potential of settings (cf.

We noted earlier that when preferred, alternative settings are thought to be pendent rather than place dependent. We, therefore, hypothesize that: (10) when independent occupants will be more motivated to leave rather than attempt to improve the existing setting, whereas place-dependent occupants will be more available outside of the existing situation, occupants will tend to be place indethe existing level of environmental congruence is perceived to be low, placemotivated to transform rather than leave the immediate setting.

we mentioned a variety of factors that may contribute to occupants' assessments same diversity of factors influences the transformational potential within settings of actual and potential levels of congruence (e.g., the unique goals and activities of setting occupants; the degree to which these goals are supported by the envifor example, may prompt them to search for more congruent, alternative settings In our discussion of place dependence and perceived environmental quality, at a given point in time. Changes in the particular goals pursued by occupants, or to restructure their existing environment (occupant-induced deviations). At the same time, sudden shifts in the form and quality of the physical environment may decrease perceived levels of congruence (environment-induced deviations), thereby promoting dissatisfaction with the setting and efforts to improve or ronment; occupants' awareness of and exposure to alternative settings). withdraw from it.

organization, and behavioral competence among occupants. Thus, assuming that In general, the perceived gap between actual and potential congruence will be greater to the extent that occupants possess clear images of preferred future environments. Images of preferred settings arise from the collective imagination of occupants within the context of existing environmental conditions. But the mational potential) does not necessarily promote structural modification of the setting, even when attractive alternative settings are thought to be unavailable. ages of the future, but also sufficient levels of environmental flexibility, social setting members are motivated to improve their environment, the greatest amount of change would be initiated by imaginative individuals and groups within flexible settings, whereas the least change would be accomplished by unimaginative salience of preferred environmental arrangements (i.e., a high level of transfor-For, the accomplishment of environmental change requires not only salient imoccupants within rigid settings.

The preceding discussion suggests the following specific hypotheses regarding the determinants of setting stability, deviation, and transformation:

- individual-oriented areas. Also, settings established by place-dependent groups 11. Place-dependent groups located within group-oriented areas will, in genindependent groups located within group-oriented, aggregate-oriented, or within aggregate- or individual-oriented areas will be less stable than those eral, maintain settings of greater stability and endurance than will placeconsisting of place-dependent groups within group-oriented areas.
- ment of group identity and cohesion (e.g., ''defensible spaces'' with wellstable than group-oriented places that do not offer architectural or geographical 12. Group-oriented places whose physical characteristics favor the developdefined boundaries; cf. Newman, 1973) will be more congruent and, therefore, supports for maintaining group solidarity.
- Group-occupied settings that have emerged gradually within initially unoccupied areas, or were established voluntarily within previously occupied areas,

will manifest greater stability than those whose establishment was nonvoluntary (i.e., contrary to the preferences of occupants within the original setting).

or the appearance of unwanted stimuli such as noise and congestion) will be more disruptive to place-dependent than to place-independent groups, due to the former's lack of attractive place options and (consequently) their greater Environmentally induced deviations (e.g., sudden geographical changes psychological investment in the immediate situation.

example, place-independent occupants might be more willing to allow their ning and overmanning; cf. Wicker, McGrath, & Armstrong, 1972) will induce greater stress and deviation-countering efforts among place-dependent than among place-independent occupants. In the face of membership shortages, for 14. Deviations from optimal staffing levels within settings (e.g., undermansetting to deteriorate or to merge with other undermanned settings.8

zation precludes their ability to agree upon and to implement a remedial course of Given a high level of transformational potential and the lack of better alternative settings elsewhere, structural modifications will more likely be implemented by organized and cohesive groups than by occupants whose disorgani-

viations and transformations within settings are functional or dysfunctional from the occupants' point of view. This issue raises additional, complex questions "functional or dysfunctional in the short run or long run, and for we employ two basic criteria for gauging the effectiveness of occupant-induced deviations and transformations within settings-namely, the degree to which these changes raise perceived levels of environmental congruence among occupants, and the degree to which the modifications enacted within settings promote its renewed stability or its eventual demise. The former criterion is essentially one of occupant well-being whereas the latter is more a matter of organizational survival. Depending on the situation, these criteria can be directly, inversely, or To this point in our analysis, we have ignored the question of whether deindividual occupants or the setting as a whole?" In the remainder of our analysis, negligibly related to each other.

duration settings, such as neighborhood restaurants, churches, and movie theatclasses, the campaign headquarters of a presidential candidate, and the yearly Factors Affecting the Termination of Settings. The present section focuses on the circumstances leading to an irreversible deterioration in the activity partems of a setting (the crisis phase) and, ultimately, to the disappearance of such patterns altogether (the termination phase). Our emphasis in this portion of the chapter is on settings of undefined rather than defined duration. Undefineders, can persist indefinitely, whereas defined-duration settings, such as college

<sup>8</sup>This possibility was suggested by Allan Wicker in a personal communication

example, the closing of the semester, the presidential election, and the national convention, respectively. Our principal concern, then, is to identify factors that convention of a professional group, have prescribed termination datesaffect the longevity of settings whose duration is indefinite.

Among the various circumstances that can prompt the abrupt and unexpected lermination of settings are severe environmental perturbations (e.g., earthquakes and floods forcing migration to safer areas) and events relating to the life cycles of occupants (e.g., increased family size or the death of a spouse necessitating residential relocation). In our analysis of setting crises and termination, we are more concerned with the interplay of environmental and occupant factors than with either of these categories considered alone. For instance, we are more interested in the relative impact of environmental change on place-dependent versus place-independent groups than in the impact of such change on groups in

We begin with a series of hypotheses derived from our earlier discussion of environmental congruence, place dependence, and transformational potential:

- 16. To the extent that occupants' efforts to improve their setting fail to enhance perceived levels of environmental congruence, the setting is more likely to enter the crisis and termination phases, particularly when dissatisfaction among occupants has been prolonged.
- 17. The abrupt termination of settings following environmental crises and/or der, social disorganization) among place-dependent vis-a-vis place-independent occupants' life events will induce greater stress (e.g., mental and physical disor-
- 18. Due to their greater psychological ties to their setting, place-dependent groups will take longer to establish new settings following geographical relocation than will place-independent groups.

strength of association between occupants and their environments. Throughout The concept of place dependence, defined earlier, reflects the perceived our analysis, we have emphasized the role of place dependence in affecting the maintenance, modification, and termination of settings. Just as it is possible to assess the dependence of individuals and groups on their environments, it is also conceivable that settings are differentially dependent on particular occupants for maintaining their efficiency and very survival. Prosperous companies, for example, may collapse precipitously following the departure of key executives. Similarly, a neighborhood tennis club may face premature closing as increasing numbers of its members shift their allegiance to raquetball and resign from the

Occupant-dependent settings, thus, are defined as those whose continued Occupant-independent settings are those that do not require the presence of existence requires the presence of specific occupants or a subset of occupants.

(or those whose membership varies over time) will be less dependent on specific specific members for their continuation. In general, variable-occupant settings occupants for their survival than will same occupant settings (see our earlier

discussion of place categories).

group-occupied settings characterized by constant rather than rotating members will be more likely to terminate following the departure of key individuals (e.g., charismatic leaders, persons occupying important roles in the organization) than On the basis of the preceding definitions, we hypothesize that: (19) occupant-dependent settings are more likely to terminate following the departure of setting members than are occupant-independent settings. Moreover, (20) following the loss of less crucial personnel.

self-protective strategies prior to the occurrence of environmental crises (rather than simply responding passively to such events) will be more likely to survive than will less organized and sophisticated settings (cf. Terreberry, 1968; Weick, find it increasingly difficult to survive in an economy beset by wildly fluctuating interest rates, spiraling inflation, and a global energy crisis. Furthermore, we zation enables members to forecast environmental changes and to actively initiate Trist (1965) suggest that the environments of organizations vary with respect to sistent with their discussion of environmental turbulence, we hypothesize that: (21) the prospects for prolonged survival decrease to the extent that settings exist within turbulent environments. For instance, a housing construction firm may predict that: (22) within turbulent environments, settings whose internal organitheir relative 'turbulence''—that is, their complexity and unpredictability. Conin addition to the dimensions of place dependence and occupant dependence, we introduce a final factor into our analysis of setting termination. Emery and

Additionally, we have outlined eight distinct stages in the life cycles of settings Although our analysis of these phenomena is preliminary and incomplete, it may provide a useful framework for future research on the transactions between In this section of the chapter, we have presented a taxonomy of settings based on and have offered a series of hypotheses concerning the antecedents and processes associated with setting emergence, maintenance, modification, and termination. the intersection of place-specific people and functionally organized places. people and places, and a conceptual basis for designing and improving settings.

## SUMMARY AND CONCLUSIONS

In recent years, the focus of psychological research has shifted increasingly from the micro to the molar (ecological) environment. This expanded frame of reference stems from the recognition among social scientists that models based solely on intrapersonal processes and/or social interaction do not adequately explain human behavior. Instead, behavior must be viewed within the context in which it occurs. In this chapter, we have developed a classification framework for describing the sociophysical milieu of behavior. This taxonomy of settings is derived theoretically, and serves as a basis for: (1) conceptualizing the complex transactions between peole and their environment; (2) conducting theory-guided research that focuses on the molar environment; and, (3) developing criteria for assessing the ecological validity of research findings and policy recommendations.

Our theoretical analysis of settings began with a detailed examination of their two major components: places (the physical context of behavior) and occupants inegularly occupied places, we discussed aspects of the former that contribute to (the people who transact with places). After distinguishing between regularly and their social imageability among current and prospective occupants. We further classified regularly occupied places in terms of their predominant functional orientation (i.e., individual, aggregate, and group oriented), and noted certain qualifications of this categorization scheme.

Occupants were described as acting alone, as part of an aggregate, or as place specific). When place specific, occupants may develop strong subjective members of organized groups. They can be sporadically associated with some places (i.e., place nonspecific), while predictably associated with others (i.e., attachments to particular locations. We termed this phenomenon place dependence and discussed, in some detail, its antecedents, subtle qualities, and its role in mediating occupants' reactions to environmental change.

In the last section of the chapter, we examined the interface of place and occupant categories as the basis for developing our taxonomy of settings. We then discussed eight distinct stages in the life cycle of settings and presented several hypotheses derived from our analysis.

desired geographical area, or that they have been thwarted in their attempts to the place dependence of groups and the collectively perceived contradictions areas who refuse to resettle in different regions, despite the potential for disaster within their current locations. And, in the context of international politics, the place-dependence concept suggests why the fervor of terrorist groups is to establish independent nations. In these and other instances of social conflict, Even though the present chapter has not been explicitly policy oriented, we do and political problems. The concept of place dependence, for example, offers a basis for understanding and altering the behavior of people living in hazardous heightened rather than neutralized by the perception that they have been denied a transform a currently occupied area into a new setting. These phenomena are exemplified by the efforts of revolutionary groups, such as the PLO and the IRA, between existing and preferred qualities of an area can have enormous political believe that our analysis of settings is germane to contemporary environmental

We have attempted in this chapter to develop a conceptualization of settings however, that taxonomic efforts at describing the large-scale environment, which cal research is to move effectively from micro to more molar levels of behavioral analysis. As a first step in submitting our conceptualization to empirical test, we are currently evaluating the reliability and validity of an index of place depenthat reflects the reciprocal relationship between people and places. Framing behavior within this multicausal model is, admittedly, complex. We believe, necessarily reflect the complexity of that environment, are crucial if psychologi-

# DESCRIBING AND CLASSIFYING THE TRANSACTIONS BETWEEN PEOPLE AND PLACES: A GLOSSARY

- cally designed for and occupied by aggregates of strangers or minimally 1. Aggregate-oriented places (or settings). Place (or settings) that are typirelated people.
- 2. Character of place dependence. Subtle variations in occupants' perception of their attachment to place/s derived from differences on dimensions such as (1) the number and range of needs met by a particular place; (2) temporal aspects of place dependence; and (3) the perceived availability of alternative place options. See also place dependence.
- on the setting is irreversible. Such events lead to the deterioration and Crisis events. Severe deviations within settings whose detrimental impact eventual demise of the setting.
- Crisis phase of settings. A stage within the life cycle of settings marked by the occurrence of events that lead to the deterioration and eventual demise of the setting. 4
- Defined-duration settings. Settings that have a prescribed termination
- Deviation phase of settings. A phase within the life cycle of settings marked by the occurrence of perceived or actual changes in the typical activity patterns and/or physical structure of a setting. 9
- Deviations within settings. Anticipated or actual departures from the typical activity patterns and/or physical structure of a setting. ۲.
- bles occupants to meet their needs and attain their valued goals. (A method for quantifying congruence is presented by Stokols [1979, 1981]. Environmental congruence. The degree to which the environment ena-See also Michelson, 1976, for an analysis of environmental congruence).
- terns or physical arrangement of a setting arising from changes in the Environment-induced deviations. Alterations in the typical activity patφ.

- external or internal environment of the setting (e.g., abrupt geographical changes within or adjacent to the setting).
  - Generic place dependence of occupants. The degree to which occupants perceive themselves to be strongly associated with and dependent on a category of functionally similar places. See also geographical place dependence of occupants. <u>.</u>
    - of people are associated with a category of functionally similar places on Generic place specificity of occupants. The degree to which the activities a regular and predictable basis. See also geographical place specificity of occupants. =
- cupants perceive themselves to be strongly associated with and dependent Geographical place dependence of occupants. The degree to which ocon a particular place. See also place dependence and generic place dependence of occupants.
- Geographical place specificity of occupants. The degree to which the activities of people are associated with a particular place on a regular and predictable basis. See also place specificity of occupants and generic place specificity of occupants. <u>:</u>
- Group. Two or more individuals whose activities and goals are interdependent, and who are aware of their interdependence. See also the definitions of group presented by Cartwright and Zander (1968); Hare, Borgatta, and Bales (1965); McGrath (1964); and Shaw (1976) 7.
- Group-oriented places (or settings). Places (or settings) whose predominant functions are geared toward people who know and interact with each other on a regular basis. 15.
- Individual-oriented places (or settings). Places (or settings) whose physical and normative properties either exclude or discourage occupancy by more than one person at a time. 16.
- Inert (or sporadic-activity) phase. A stage in the life cycle of settings marked by the absence of occupants or by sporadic occupancy and activi-
  - Irregularly occupied places. Places characterized by sporadic occupancy and human activities. See also nonsettings and nonpatterned-activity <u>..</u>
- Latent value of places. The unrecognized capacity of places to accommodate the preferred goals and activities of prospective or current occup-9.
- Life eyele of settings. Processes associated with the establishment, maining distinct stages: (1) inert (or sporadic-activity) phase; (2) transitional-activity phase; (3) patterned-activity phase; (4) stabilitymaintenance phase; (5) deviation phase; (6) structural-transformation tenance, modification, and termination of organized settings. As conceptualized in this analysis, the life cycle of settings incorporates the follow-

phase; (7) crisis phase; and (8) termination phase. See also Devereux's (1977) and Wicker's (1979a) discussions of the life cycle of behavior

Local groups. Groups whose development coincides with the emergence of an organized, environmental setting. See also migratory groups. 73

Manifest value of places. The recognized (and sometimes actualized) capacity of places to support the preferred goals and activities of prospective or current occupants. See also environmental congruence and poten-

Migratory groups. Preexisting groups that move into a new area and 23.

establish a setting there. See also local groups.

Nonpatterned-activity places. Areas characterized by the absence of occupants or by sporadic occupancy and association with human activities. See also irregularly occupied places and nonsettings.

Occupant dependence of settings. The degree to which a setting requires sporadically occupied by place-nonspecific people. Nonsettings are characterized by the absence of recurring patterns of behavior and the lack of a clear functional orientation. See also irregularly occupied Nonsettings. Nonpatterned-activity places that are either unoccupied or places, nonpatterned-activity places, and place specificity of occupants.

the presence of particular occupants, or a subset of occupants, for its continued existence. 56.

Occupant-induced deviations. Alterations in the typical activity patterns or physical arrangement of a setting arising from the spontaneous and voluntary actions of setting members.

Patterned-activity phase of settings. A stage in the life cycle of settings marked by the establishment of stable, recurring patterns of activity and widely recognized place meanings (e.g., the functional orientation of the

terns of behavior occur. The predominant, functional orientation of such places can be classified as individual oriented, aggregate oriented, or Patterned-activity places. Places in which recurring and predictable pat-

group oriented. See also settings.

tions. (Strategies for quantifying these dimensions are discussed in ical milieu to current or prospective occupants of a place. The specific meanings associated with a place can be described in terms of their content, complexity, clarity, heterogeneity, distortions, and contradic-Perceived social field of the physical environment. The totality of functional, motivational, and evaluative meanings conveyed by the phys-Stokols, 1981). 30.

Place. A geographically and/or architecturally delimited area. Places in this analysis are categorized as unoccupied (or sporadically occupied) and regularly occupied. The latter category includes three types of places: 31.

individual oriented, aggregate oriented, and group oriented, depending on the predominant functional orientation associated with the place.

- Place dependence. The degree to which occupants perceive themselves the quality of their current place, and the relative quality of comparable within an area, and occupants' awareness of and familiarity with relevant alternative places. See also geographical place dependence of occupants to be strongly associated with and dependent on a particular place, or a dence derives from a two-component process by which occupants assess alternative places. These assessments are influenced by factors such as the importance of occupants' goals, the kinds of resources available category of functionally similar places. The perception of place depenand generic place dependence of occupants.
- Place meanings. Functional, motivational, and evaluative information and impressions associated with particular places. Personal meanings are those held by single individuals. Personal meanings become part of the perceived social field of an environment to the extent that they are held in through the interaction and communication among members of organized common with other occupants (common meanings), and/or are shared groups (shared meanings). See also the perceived social field of the physical environment and social imageability.
  - Place options. Geographical areas that are perceived by occupants as comparable to their present location and as realistic (accessible) alternatives to their current place. The perceived availability of place options is a crucial factor in determining occupants' assessments of place dependence. See also place dependence.
- Place specificity of occupants. The degree to which the activities of people are associated with a particular place, or with a category of functionally similar places, on a regular and predictable basis. See also geographical place specificity of occupants and generic place-specificity
- Potential congruence. The level of goal facilitation perceived by the The best alternative setting can be either a transformed version of the existing setting or a different setting that has not yet been experienced or occupants of a place to be available within their best alternative setting. 36.
- Regularly occupied places. Places characterized by stable patterns of occupancy, human activity, and functional orientation. patterned-activity places and settings. 37.
  - Same-occupant places (or settings). Places or settings whose functions are performed by the same people on a regular basis. See also variableoccupant places (or settings).
    - Settings. Patterned-activity places occupied by place-specific people. Settings are characterized by recurring patterns of behavior and by widely

- recognized place meanings (e.g., functional orientation). The functional orientation of the physical milieu and the composition and organization of See also the analyses of behavior settings presented by Barker (1968), activity places, regularly occupied places, and place specificity of ocits occupants are used in this analysis to develop a taxonomy of settings. Barker and Associates (1978), and Wicker (1979b). See also patterned-
- imageability to the extent that they are regularly and predictably associated with patterns of individual and/or collective behavior. See also Social imageability. The capacity of a place to evoke vivid and collectively held social meanings among its occupants. Places acquire social the perceived social field of the physical environment. 40.
- Stability-maintenance phase of settings. A stage in the life cycle of settings characterized by the smooth and predictable recurrence of organized activity patterns. <del>1</del> .
- Structural-transformation phase of settings. A stage in the life cycle of settings marked by the occurrence of deviations that result in significant and enduring changes in the setting's activity structure and/or physical milieu. See also deviations within settings and transformations within 42
- Termination phase of settings. A stage within the life cycle of settings marked by the cessation of organized activity patterns within an area. See also crisis events and the crisis phase of settings. 43.
- Transformational potential. The motivation of occupants to modify the physical or social structure of their setting in accord with personal and tions depends not only on motivational factors but also on occupant resources (e.g., imagination, organization) and environmental circumcollective preferences. The actual accomplishment of desired transformastances (e.g., rigidity or flexibility of the environment). 4
- Transformations within settings. A category of deviations within settings that result in significant and enduring alterations of the activity structure and/or physical milieu of the setting.
- Transitional-activity phase of settings. A stage in the life cycle of settings marked by the preliminary occurrence of patterned activity within an area that is not yet associated with a clear, functional orientation. 46.
  - Transitional places. Occupied areas characterized by preliminary patterns of activity but lacking the clarity of functional orientation and occupant organization associated with structured settings.
- Undefined-duration settings. Settings that do not have a prescribed termination date. See also defined-duration settings. 48
- Unoccupied places. Places that either preclude the possibility of occupation or are structured in ways that inhibit the development of sustained activity and, thereby, remain ambiguous in their functional meaning. 49

50. Variable-occupant places (or settings). Places or settings whose functions are performed by different people on a rotating basis.

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