This is a comprehensive application of contemporary psychological theories to the analysis of consumer behavior. Although modern marketing is drawing heavily upon psychology, there is a tendency for the emphasis to become somewhat "one-sided," as observed in the stress on motivation research. The danger is that concentration upon only one aspect of behavior will obscure other important psychological dimensions necessary to understanding the behavior of consumers.

Motivation, Cognition, Learning

The analysis of consumer behavior presented here is derived from diverse concepts of several schools of psychology—from psychoanalysis to reinforcement theory.

Human behavior can be grouped into three categories—motivation, cognition, and learning. Motivation refers to the drives, urges, wishes, or desires which initiate the sequence of events known as "behavior." Cognition is the area in which all of the mental phenomena (perception, memory, judging, thinking, etc.) are grouped. Learning refers to those changes in behavior which occur through time relative to external stimulus conditions.

Each broad area is pertinent to particular problems of consumer behavior.

All three together are pertinent to a comprehensive understanding of consumer behavior.

Motivation

Human Needs

Behavior is initiated through needs. Some psychologists claim that words such as "motives," "needs," "urges," "wishes," and "drives" should not be used as synonyms; others are content to use them interchangeably. There is one virtue in the term "drive" in that it carries the connotation of a force pushing the individual into action.

Motivation arises out of tension-systems which create a state of disequilibrium for the individual. This triggers a sequence of psychological events directed toward the selection of a goal which the individual anticipates will bring about release from the tensions and the selection of patterns of action which he anticipates will bring him to the goal.

One problem in motivation theory is deriving a basic list of the human needs. Psychologists agree that needs fall into two general categories—those arising from tension-systems physiological in nature (biogenic needs such as hunger, thirst, and sex), and those based
upon tension-systems existing in the individual's subjective psychological state and in his relations with others (psychogenic needs).

Although there is not much disagreement as to the list of specific biogenic needs, there is considerable difference of opinion as to the list of specific psychogenic needs. However, the various lists of psychogenic needs can be grouped into three broad categories:

1) **Affectional needs**—the needs to form and maintain warm, harmonious, and emotionally satisfying relations with others.

2) **Ego-bolstering needs**—the needs to enhance or promote the personality; to achieve; to gain prestige and recognition; to satisfy the ego through domination of others.

3) **Ego-defensive needs**—the needs to protect the personality; to avoid physical and psychological harm; to avoid ridicule and "loss of face"; to prevent loss of prestige; to avoid or to obtain relief from anxiety.

One pitfall in the analysis of motivation is the assumption that a particular situation involves just one specific need. In most instances the individual is driven by a combination of needs. It seems likely that "love" brings into play a combination of affectional, ego-bolstering, and ego-defensive needs as well as biogenic needs. Within the combination some needs will be relatively strong, others relatively weak. The strongest need within the combination can be called the "prepotent" need. A given consumer product can be defined in terms of the specific need-combination involved and the relative strengths of these needs.

Another pitfall is the assumption that identical behaviors have identical motivational backgrounds. This pitfall is present whether we are thinking of two different individuals or the same individual at two different points in time.

John and Harry can be different in the motivational patterns leading to the purchase of their suits. Each could have one motivational pattern influencing such a purchase at age twenty and another at age forty.

**Ego-Involvement**

One important dimension of motivation is the degree of ego-involvement. The various specific need-patterns are not equal in significance to the individual. Some are superficial in meaning; others represent (for the individual) tremendous challenges to the very essence of existence. There is some evidence that one of the positive correlates of degree of ego-involvement is the amount of cognitive activity (judging, thinking, etc.) involved. This means that consumer goods which tap low degrees of ego-involvement will be purchased with a relatively lower degree of conscious decision-making activity than goods which tap higher degrees of ego-involvement. Such a factor must be considered when decisions are made on advertising and marketing tactics.

At times the ego-involvement factor is a source of conflict between client and researcher. This can occur when research reveals that the product taps a low degree of ego-involvement within consumers. The result is difficult for a client to accept; because he is ego-involved and, therefore, cognitively active about his product, consumers must certainly be also. It is hard for such a client to believe that consumers simply do not engage in a great deal of cognitive activity when they make purchases within his product class. One way to ease this particular client-researcher conflict would be for the researcher to point out this implication of the ego-involvement dimension.
"True" and Rationalized Motives

A particular difficulty in the study of motivation is the possibility that there can be a difference between "true" motives and rationalized motives. Individuals sometimes are unaware of the exact nature of drives initiating their behavior patterns. When this occurs, they attempt to account for their behavior through "rationalization" by assigning motivations to their behavior which are acceptable to their personality structures. They may do this with no awareness that they are rationalizing. There can be other instances, however, in which individuals are keenly aware of their motivations, but feel it would be harmful or socially unacceptable to reveal them. When this is the case, they deliberately conceal their motivations.

These possibilities create a problem for the researcher. Must he assume that every behavior pattern is based upon unconscious motivation? If not, what criteria are to be used in deciding whether to be alert to unconscious motivation for this behavior pattern and not that one? What is the relative importance of unconscious motives, if present, and rationalized motives? Should rationalized motives be ignored? After all, rationalized motives have a certain validity for the individual—they are the "real" motives insofar as he is aware of the situation.

The situation is even more complicated than this—what about the dissembler? When the individual actually is dissembling, the researcher must attempt to determine the true motives. But, how shall we determine whether we are faced with a situation where the respondent is rationalizing or dissembling? In a given case, did a projective technique reveal an unconscious motive or the true motive of a dissembler? Conceptually, rationalized motives and dissembled motives are not equal in psychological implication; but it is rare, if ever, that one finds attempts to segregate the two in consumer research directed toward the analysis of motivation. This failure is understandable, to some extent, because of the lack of valid criteria upon which to base the distinction.

Cognition

Need-Arousal

Motivation, thus, refers to a state of need-arousal—a condition exerting "push" on the individual to engage in those activities which he anticipates will have the highest probability of bringing him gratification of a particular need-pattern. Whether gratification actually will be attained or not is a matter of future events. Central to the psychological activities which now must be considered in the sequence are the complex of "mental" operations and forces known as the cognitive processes. We can view these cognitive processes as being purpose in that they serve the individual in his attempts to achieve satisfaction of his needs. These cognitive processes are regulatory in that they determine in large measure the direction and particular steps taken in his attempt to attain satisfaction of the initiating needs.

The Ego-Superego Concept

The ego-superego concept is pertinent to a discussion of cognitive activities which have been triggered by needs. Discussions of the ego-superego concept usually come under the heading of motivation as an aspect of personality. It is our feeling that motivation and the consequences of motivation should be kept systematically "clean." In the broadest sense, ego and superego are mental entities in that they involve memory, perceiving, judging, and thinking.

The Ego. The ego is the "executive," determining how the individual shall
seek satisfaction of his needs. Through
perception, memory, judging, and think-
ing the ego attempts to integrate the
needs, on the one hand, and the con-
ditions of the external world, on the
other, in such manner that needs can
be satisfied without danger or harm to
the individual. Often this means that
gratification must be postponed until a
situation has developed, or has been en-
countered, which does not contain harm
or danger. The turnpike driver who does
not exceed the speed limit because he
sees signs saying there are radar checks
is under the influence of the ego. So is
the driver who sees no cars on a straight
stretch and takes the opportunity to
drive at excessive speed.

The Superego. The superego involves
the ego-ideal and conscience. The ego-
ideal represents the positive standards of
ethical and moral conduct the individ-
ual has developed for himself. Conscience
is, in a sense, the “judge,” evaluating
the ethics and morality of behavior
and, through guilt-feelings, adminis-
tering punishment when these are violated.
If a driver obeys the speed limit because
he would feel guilty in doing otherwise,
he is under the influence of the super-
ego. (The first driver above is under the
influence of the ego because he is avoid-
ing a fine, not guilt feelings.)

Specific Examples
Credit is a form of economic behavior
based to some extent upon ego-superego
considerations. It is generally felt that
one cause of consumer-credit expansion
has been a shift away from the superego’s
role in attitudes toward credit. The past
ego-ideal was to build savings; debt was
immoral—something to feel guilty about,
to avoid, to hide. These two superego in-
fluences restrained the use of credit. For
some cultural reason, credit and debt
have shifted away from superego domi-
nance and are now more under the con-
tr of the ego—the primary concern now
seems to be how much of it can be used
without risking financial danger.

The purchasing of specific consumer
goods can be considered from the point
of view of these two influences. Certain
goods (necessities, perhaps) carry little
superego influence, and the individual is
psychologically free to try to maximize
the probability of obtaining satisfac-
tion of his needs while minimizing the prob-
ability of encountering harm in so do-
ing. Other goods, however, tap the su-
perego. When a product represents an
aspect of the ego-ideal there is a strong
positive force to possess it. Conversely,
when a product involves violation of the
conscience, a strong negative force is
generated against its purchase.

Let us assume that, when the need-
push asserts itself, a variety of goal-ob-
jects come into awareness as potential
sources of gratification. In consumer be-
havior these goal-objects may be differ-
ent brand names. The fact that a partic-
ular set of goal-objects come into aware-
ness indicates the generic character of
this stage in the cognitive process—a class
of goal-objects is seen as containing the
possible satisfier. What the class of goal-
objects and the specific goal-objects
within the class “promise” in terms of
gratification are known as “expecta-
tions.”

There are, then, two orders of expec-
tation: generic expectancies, and object-
expectancies. Suppose the needs were
such that the individual “thought” of
brands of frozen orange juice. Some
of the generic expectations for frozen
orange juice are a certain taste, quality,
source of vitamin C, protection against
colds, and ease of preparation. The par-
ticular brands carry expectations specifi-
cally associated with one brand as
against another. The expectation might
be that brand A has a more refreshing taste than brand B.

In many instances, cognitive competition occurs between two or more generic categories before it does between goal-objects within a generic category. Much consumer-behavior research is directed toward the investigation of generic categories—tires, automobiles, appliances, etc. But perhaps not enough attention has been given to the psychological analysis of cognitive competition between generic categories. An example of a problem being studied is the competition between television viewing, movie going, and magazine reading. For a particular producer, cognitive competition within the pertinent generic category is usually of more concern than cognitive competition between his generic category and others. The producer usually wants only an intensive analysis of consumer psychology with respect to the particular generic category of which his product is a member.

Let us now assume that under need-push four alternative goal-objects (brands A, B, C, and D) came into awareness. Why these particular brands and not others? Why are brands E and F absent? An obvious reason for brand E's absence might be that the individual had never been exposed to the fact that brand E exists. He had been exposed to brand F, however. Why is it absent? The problem here is one of memory—a key cognitive process. The producers of brands E and F obviously are faced with different problems.

Two sets of circumstances contain the independent variables that determine whether a given item will be remembered. One is the nature of the experience resulting from actual consumption or utilization of the goal-object. This will be discussed later when we come to the reinforcement theory of learning. The other is the circumstances present on what might be called vicarious exposures to the goal-object—vicarious in that at the time of exposure actual consumption or utilization of the goal-object does not occur. The most obvious example would be an advertisement of the goal-object. Of course, the essential purpose of an advertisement is to expose the individual to the goal-object in such a manner that at some subsequent time it will be remembered readily. The search for the most effective methods of doing this by manipulation of the physical aspects of the advertisement and the appeals used in it is a continuing effort in consumer-behavior research. Finally, for many consumers these two sets of circumstances will be jointly operative. Experiences with the goal-object and subsequent vicarious exposures can coalesce to heighten the memory potential for an item.

Making a Choice

With, say, four brands in awareness, the individual must now make a choice. What psychological factors underlie this choice? The four brands could be in awareness due to the memory factor because they are immediately present in the environment; or some because they are in the environment, and the others because of memory.

The first problem is the extent to which the items are differentiated. The various goal-objects have attributes which permit the individual to differentiate between them. The brand name is one attribute; package another; design still another. These differentiating attributes (from the point of view of the consumer's perceptions) can be called signs or cues. All such signs are not equally important in consumer decisions. Certain of them are depended upon much more than others. For example, in a study of
how housewives select fresh oranges, the critical or key signs were thickness of skin, color of skin, firmness of the orange, and presence or absence of "spots" on the skin.

The signs have expectancies associated with them. Package (a sign) can carry the expectancy of quality. Thin-skin oranges carry the expectancy of juice; spots carry the expectancy of poor taste quality and insufficient amount of juice. Often sign-expectancies determined through consumer research are irrelevant or invalid. Signs are irrelevant when they do not represent a critical differentiating attribute of a goal-object. Certain discolorations on oranges have nothing to do with their intrinsic quality. Expectancies are invalid when they refer to qualities that do not in fact exist in association with a particular sign.

The different goal-objects in awareness can be assessed in terms of the extent to which they arouse similar expectancies. This phenomenon of similarity of expectations within a set of different goal-objects is known as generalization. One goal-object (brand A, perhaps), because of its associated expectancies, can be assumed to have maximum appeal within the set of alternative goal-objects. The alternates then can be ordered in terms of how their associated expectancies approximate those of brand A. Is this ordering and the psychological distances between the items of the nature of:

<table>
<thead>
<tr>
<th>Brand A</th>
<th>Brand A</th>
</tr>
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<tbody>
<tr>
<td>Brand B</td>
<td>Brand B</td>
</tr>
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</table>

or

| Brand C | Brand C |

These differences in ordering and psychological distance are referred to as generalization gradients. In the first case, the expectancies associated with brand B are quite similar to those for brand A, but are not quite as powerful in appeal. Brand C has relatively little of this. In the second case, the generalization gradient is of a different form, showing that brand B offers relatively little psychological competition to brand A. (There will also be generalization gradients with respect to cognitive competition between generic categories.) In addition to the individual producer being concerned about the memory potential of his particular brand, he needs to determine the nature of the generalization gradient for his product and the products of his competitors. Mere ordering is not enough—the "psychological distances" between positions must be determined, also, and the factor determining these distances is similarity of expectancy.

The discussion above was concerned with cognitive processes as they relate to mental representation of goal-objects under the instigation of need-arousal. The items brought into awareness, the differentiating sign-expectancies, and the generalization gradient are the central factors in the particular cognitive field aroused under a given "need-push." One important dimension has not yet been mentioned—instrumental acts. These are acts necessary in obtaining the goal-object and the acts involved in consuming or utilizing it. Examples are: "going downtown" to get to a department store, squeezing the orange to get its juice, ease of entry into service stations, and the operations involved in do-it-yourself house painting.

Instrumental acts can have positive or negative value for the individual. One who makes fewer shopping trips to downtown stores because of traffic and parking conditions displays an instrumental act with negative value. Frozen foods are products for which much of the appeal lies in the area of instrumental acts. The
development of automatic transmissions and of power-steering in automobiles are examples of product changes concerned with instrumental acts. The point is that concentration upon cognitive reactions to the goal-object, per se, could be masking critical aspects of the situation based upon cognitive reactions to the instrumental acts involved in obtaining or utilizing the goal-object.

**LEARNING**

**Goal-Object**

Starting with need-arousal, continuing under the influence of cognitive processes, and engaging in the necessary action, the individual arrives at consumption or utilization of a goal-object. Using our consumer-behavior illustration, let us say that the consumer bought brand A and is now in the process of consuming or utilizing it. We have now arrived at one of the most critical aspects of the entire psychological sequence. It is with use of the goal-object that degree of gratification of the initial needs will occur.

**Reinforcement**

When consumption or utilization of the goal-object leads to gratification of the initiating needs there is "reinforcement." If at some later date the same needs are aroused, the individual will tend to repeat the process of selecting and getting to the same goal-object. If brand A yields a high degree of gratification, then at some subsequent time, when the same needs arise, the consumer will have an increased tendency to select brand A once again. Each succeeding time that brand A brings gratification, further reinforcement occurs, thus further increasing the likelihood that in the future, with the given needs, brand A will be selected.

This type of behavioral change—increasing likelihood that an act will be repeated—is learning; and reinforcement is necessary for learning to take place. Continued reinforcement will influence the cognitive processes. Memory of the goal-object will be increasingly enhanced; particular sign-expectancies will be more and more firmly established; and the generalization gradient will be changed in that the psychological distance on this gradient between brand A and the competing brands will be increased.

**Habit**

One of the most important consequences of continued reinforcement is the influence this has on the extent to which cognitive processes enter the picture at the times of subsequent need-arousal. With continued reinforcement, the amount of cognitive activity decreases; the individual engages less and less in decision-making mental activities. This can continue until, upon need-arousal, the goal-obtaining activities are practically automatic. At this stage there is a habit.

Note this use of the term "habit." One frequently hears that a person does certain things by "force of habit," that habit is an initiator of behavioral sequences. Actually habits are not initiating forces in themselves; habits are repeated response patterns accompanied by a minimum of cognitive activity. There must be some condition of need-arousal before the habit-type response occurs. This has serious implications in the field of consumer behavior. The promotional and marketing problems faced by a competitor of brand A will be of one type if purchase behavior for brand A is habitual, of another if this is not true. If the purchase is largely a habit, there is little cognitive activity available for the competitor to "work on."

Frequency of repeating a response is not a valid criterion for determining
whether or not a habit exists. An act repeated once a week can be just as much a habit as one repeated several times a day. The frequency of a response is but an index of the frequency with which the particular need-patterns are aroused. Frequency of response also is often used as a measure of the strength of a habit. The test of the strength of a habit is the extent to which an individual will persist in an act after it has ceased providing need gratification. The greater this persistence, the stronger was the habit in the first place.

**PROBLEM—CONCEPT—RESEARCH**

The above views integrate concepts in contemporary psychology which seem necessary for a comprehensive explanation of human behavior, and apply these concepts to the analysis of consumer behavior. Each psychological process touched upon contains areas for further analysis and specification.

Some type of comprehensive theory of human behavior is necessary as a working tool to avoid a lack of discipline in attacking problems in consumer behavior. Too frequently a client with a practical problem approaches a researcher with an indication that all that is needed is a certain methodology—depth interviewing, scaling, or projective devices, for example.

The first step should be to take the practical problem and translate it into its pertinent conceptual entities. This phase of the problem raises the question of motivations. Here is a question involving relevance and validity of sign-expectancies. There is a question dealing with a generalization gradient, etc. Once the pertinent conceptual entities have been identified, and only then, we arrive at the stage of hypothesis formulation. Within each conceptual entity, a relationship between independent and dependent variables is established as a hypothesis to be tested.

Often the relation between conceptual entities must be investigated. For example, what is the effect of continuing reinforcement on a specific generalization gradient? Within the same research project, one psychological entity can be a dependent variable at one phase of the research and an independent variable at another. At one time we might be concerned with establishing the factors associated with differential memory of sign-expectancies. At another time we could be concerned with the influence of remembered sign-expectancies upon subsequent purchase-behavior.

Discipline requires that one turn to methodology only when the pertinent conceptual entities have been identified and the relationships between independent and dependent variables have been expressed in the form of hypotheses. Fundamentally this sequence in the analysis of a problem serves to delimit the methodological possibilities. In any event, the methodologies demanded are those which will produce unambiguous tests of each particular hypothesis put forth. Finally, the results must be translated into the terms of the original practical problem.

We have used the term “discipline” in this phase of our discussion. The researcher must discipline himself to follow the above steps. Some find this a difficult thing to do and inevitably their data become ambiguous. They must resort to improvisation in order to make sense of the results after the project is completed. A research project is truly a work of art when the conceptual analysis, the determination of the hypotheses, and the methodologies have been developed in such an “air-tight” sequence that practically all that is necessary is to let the facts speak for themselves.
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