This study examined selected aspects of the exercise of influence in educational organizations. Power motivation, characteristics of the exercise of influence, and influence effectiveness were studied. A sample of elementary school principals indicated their perceptions and behavioral intentions relevant to the exercise of upward influence in several common decision situations. The results of the study suggest that principals who were rated high in influence activity can be characterized by both high instrumental and intrinsic power motivation, as well as high self-perceptions of power. Several situational factors surrounding the exercise of influence were found to be related to choices among alternative influence targets and the likelihood of using various methods of influence. The likelihood of using "manipulation" as a method of influence was found to most consistently differentiate between principals rated high and low in influence effectiveness, with high effectiveness principals indicating they were more likely to use this method. (Author)
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THE EXERCISE OF INFLUENCE IN EDUCATIONAL ORGANIZATIONS

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Abstract

This study examined selected aspects of the exercise of influence in educational organizations. Power motivation, characteristics of the exercise of influence and influence effectiveness were studied. A sample of elementary school principals indicated their perceptions and behavioral intentions relevant to the exercise of upward influence in several common decision situations. The results of the study suggest that principals who were rated high in influence activity can be characterized by both high instrumental and intrinsic power motivation, as well as high self-perceptions of power. Several situational factors surrounding the exercise of influence were found to be related to choices among alternative influence targets and the likelihood of using various methods of influence. The likelihood of using "manipulation" as a method of influence was found to most consistently differentiate between principals rated high and low in influence effectiveness, with high effectiveness principals indicating they were more likely to use this method.
The Exercise of Influence in Educational Organizations

Power, influence and political behavior are ubiquitous phenomena in formal organizations. It is commonly recognized, however, that the study of power and influence is a relatively neglected area of organizational research. Since Cartwright (1959) first chided social psychologists for being "soft" on power, numerous writers at fairly regular intervals have commented on the seeming "dearth" of research on power and related phenomena in organizations (e.g., Kahn, 1964; Pollard & Mitchell, 1972; Schopler, 1965; Thompson, 1959; Porter, 1974). Tedeschi (1972: vii) began a recent volume of research on power by noting: "the current status of theory and research in the area of social power and influence is clearly inadequate from almost anybody's point of view."

The importance of studying power and influence is derived from the growing recognition that relations among organizational participants are governed by an informal power structure as well as the formal authority structure prescribed by the organization (March, 1962; Thompson, 1959). In studying intra-organizational behavior it is useful to recognize that competing sets of interests (e.g., arising from goal differentiation) exist both within and between subunits in the organization. Such competing sets of interests are thought to contribute to the level of informal political behavior (Zalenznik, 1970).

Organizational decisions can be viewed as the outcomes of bargaining processes in which various individuals, subunits or coalitions attempt to advance their own self-interests. The simple observation that all individuals in the organization are unlikely to be equally powerful or equally skillful in exercising the power they have available therefore has important
implications for understanding organizational behavior and decision processes within the organization. Furthermore, such a view highlights power and influence as critical variables of study in organizations (Pollard & Mitchell, 1972).

When power and influence have been studied in organizational settings, a great deal of research attention has been focused on the bases and distribution of power. Following French and Raven (1959), a considerable amount of research has examined the implications of various bases of power for subordinate satisfaction and performance, and leadership effectiveness (e.g., Bachman, Slesinger & Smith, 1966; Hill & French, 1967; Ivancevich, 1970).

Research examining the distribution and bases of power appears to overlook several issues that are important to a comprehensive understanding of the role of power in organizational processes. For example, while research demonstrating that individuals or subunits high in power generally receive a relatively high proportion of organizational resources is useful (e.g., Pfeffer & Salancik, 1974), it provides little information concerning the process by which a given base or amount of power is translated into organizational outcomes. Pollard and Mitchell (1972) make an important distinction between the power an individual is capable of using in a given situation ("possible" power) and the amount of power actually exercised ("effective" power). The process of exercising power involves the translation of "possible" power into "effective" power to accomplish particular goals. The effectiveness with which this process is accomplished is likely to be an important determinant of successful influence. Unfortunately, research incorporating testable propositions concerning characteristics of the exercise of power in organizations is rare and thus our understanding
of this process remains limited. Research examining specific characteristics of the exercise of power and relating such characteristics to influence effectiveness should therefore contribute to our understanding of political phenomena in organizations.

This study reports a portion of the results from a larger research investigation (Mowday, 1975) designed to examine selected aspects of the exercise of influence in an organizational setting. The study specifically examined the exercise of upward influence by managers in organizations. It was felt that such a focus would more closely tie together the study of power and leadership in terms of a somewhat neglected aspect of the manager's role (i.e., the exercise of upward influence). Three aspects of the exercise of influence were studied: (1) power motivation; (2) characteristics of the influence attempt; (3) effectiveness in exercising influence.

**Power Motivation**

Cartwright (1965) and Kipnis (1974) have discussed decisions concerning whether or not to exercise influence in a given situation in terms of power motivation. The research question of central importance involves the identification of characteristics that differentiate individuals who are active in attempting to exercise influence (high power motivation) from those who are not. At least three considerations appear important with respect to power motivation: (1) intrinsic motivation; (2) instrumental motivation; (3) self-perceptions of power.

Intrinsic motivation to exert influence is thought to be related to the satisfaction derived from the process of exercising influence itself. For purposes of this study, intrinsic motivation was conceptualized in
terms of need theory (Murray, 1938). Two needs appear particularly relevant to the study of power motivation in organizational settings: need for power and need for achievement.

The need for power is characterized by attempts to control the environment and influence and direct other people (Jackson, 1967; McClelland & Watson, 1973; Winter, 1973). Previous research has found that individuals with a high need for power are more likely to prefer jobs where leadership is possible and actively attempt to influence others in small groups (Birch & Veroff, 1966; Winter, 1973). Individuals with a high need for power can be expected to take an activist role with respect to their work environment and thus would be expected to more frequently initiate influence attempts directed toward influencing the outcome of important decisions.

Individuals with a high need for achievement are generally described in terms of task orientation, aspirations to achieve difficult goals and a positive response to competition (Jackson, 1967; Steers, 1975). Tedeschi, Schlenker & Lindskold (1972) view the need for achievement as related to the more general concept of self-confidence in power transactions. These authors suggest that high need achievers are generally more confident that influence attempts they initiate will be successful. As a consequence, it was predicted that individuals with a high need for achievement will more frequently initiate influence attempts (i.e., exhibit a high power motivation) in the work situation. Such a relationship may be particularly likely where the exercise of influence is believed by the individual to be instrumental to task accomplishment. Where the exercise of influence facilitates the accomplishment of a given work task (which may frequently be the case for managers), the high need achiever may gain intrinsic satisfaction from the
influence attempt itself as well as from subsequent task accomplishment.

Instrumental motivation to exert influence can be viewed as the rational calculation of the net advantages associated with a specific influence attempt (Cartwright, 1965). In other words, the exercise of influence is a behavioral act directed toward the attainment of particular goals. A number of writers have conceptualized the process of exercising power in terms of a expectancy theory or subjective expected utility model (e.g., Cartwright, 1965; Harsanyi, 1962; Nagel, 1968; Pollard & Mitchell, 1972; Tedeschi, et al., 1972). Despite the theoretical popularity of such approaches in explaining power related behavior, it appears that few studies (e.g., French, Morrison and Levinger, 1960; Zipf, 1960) have operationalized measures designed to test expectancy predictions related to the exercise of influence. Instrumental motivation in this study was conceptualized in terms of a simplified expectancy theory approach incorporating two variables: (1) perceived probability of successfully exercising influence; (2) anticipated value of the outcome of successful influence. When these two components are multiplicatively combined to form a measure of motivational force to exert influence, it was predicted such a measure would be positively related to power motivation.

Power motivation has also been found to be related to self-perceptions of power (Cartwright, 1965; Levinger, 1959; Tedeschi et al., 1972). Levinger (1959), for example, induced high self-perceptions of power in experimental subjects and found moderate relationships between such perceptions and a measure of number of influence attempts. Consequently, it was predicted that individuals with high self-perceptions of power are more likely to exhibit high power motivation in the work place.
It is important to recognize that the three components of power motivation discussed above are conceptually related. For example, high self-perceptions of power are likely to affect the perceived probability of successfully exerting influence. In addition, the needs for power and achievement may be related to the valence attached to the outcomes of successful influence attempts.

Characteristics of the Influence Attempt

The exercise of influence can be viewed as a purposeful act in which the individual exerting influence (i.e., the influence agent) must make calculated choices among alternative influence targets in the organization and methods of influence to utilize in the influence attempt. Factors affecting both of these decisions were examined in this study.

The choice of a target of influence is a relatively neglected aspect of the exercise of power in organizations. Most studies examining characteristics of the exercise of influence hold constant the target of influence (e.g., Kipnis & Cosentino, 1969; Rosenberg & Pearlin, 1962). Organizational decision making, however, is a process characterized by a large number of participants who may differ with respect to their potential influence over the decision outcome (Patchen, 1974). In organizational decision making contexts, then, influence agents are likely to have some discretion in the choice of a target even though the formal decision making channels are specified. One study by Filley and Grimes (1967) found little agreement among respondents concerning who they would approach to influence the outcome of eight hypothetical decisions.

Tedeschi et al. (1972) indicate that the major consideration in the choice of an influence target is the expectation that the target controls
access to the important values desired. Further, they hypothesize that people have a natural tendency to go through the "channels of authority." This is presumably the path of least resistance in selecting a target and involves lower potential costs in exercising influence. The probability of successfully influencing a decision, however, may increase in certain situations by choosing a target outside the "chain of command" with respect to the decision to be influenced. For example, it may be necessary to go over the head of your immediate superior in situations where he or she is believed to be unsympathetic to your goals.

The propensity of influence agents to choose an influence target either inside or outside the "chain of command" was examined in this study. Two factors were hypothesized to affect such a choice. First, the nature of the decision to be influenced may affect the choice of an influence target. Influence agents are likely to approach different individuals in attempting to influence decisions of various types even when the formal "chain of command" with respect to these different decisions is the same. This choice may be highly dependent on perceptions concerning the ability of others to influence the decision outcome (Tedeschi et al., 1972) and informal interaction patterns that develop in the workplace. Second, the timing of the influence attempt was predicted to affect the choice of a target. Decision making in organizations is frequently a process that takes place over a period of time (e.g., budgeting decisions). More importantly, the role of various individuals in the decision process may change as the decision moves through the organization. Individuals who are influential during the early stages of a decision process may not be influential during the late stages. In examining the timing of the influence attempt in relation to the choice of an influence target, the nature of the decision to
be influenced was held constant so the two predictions concerning this choice were not confounded.

The second characteristic of the exercise of influence investigated in this study concerned the choice of a method of influence. Raven and Kruhianski (1970) have reviewed a number of criteria that may be used in choosing among alternative methods of influence. Previous research has found the choice of a method of influence to be related to the nature of the influence situation (Goodstadt & Kipnis, 1970; Kipnis & Costentino, 1969), Rotter's (1966) internal-external control orientation (Goodstadt & Hjelle, 1973) and professional norms (Rosenberg & Perlin, 1962). In addition, such a choice has been hypothesized to depend upon the differential in influence between the influence agent and target of the influence attempt (Kipnis, 1974; Tedeschi et al., 1972, 1973).

Two factors were predicted to influence the choice of a method of influence. First, the choice of a method was predicted to be related to the target of influence (holding decision situation constant). Influence agents may select the method of influence which is believed to be most appropriate and potentially effective given the person to be influenced. Second, the choice of a method was hypothesized to depend upon the timing of the influence attempt (holding both influence situation and influence target constant). Methods of influence likely to be effective during the early stages of a decision process may not be successful during the late stages. For example, individuals may be more likely to use threats during the late stages of a decision process.

The research questions of primary interest here concerns the propensity of the influence agent to use different methods of influence.
depending upon the choice of a target and the timing of the attempt. No specific predictions were made concerning which of the several methods of influence studied were most likely to be used in various situations.

**Determinants of Influence Effectiveness**

Very little is known concerning the determinants of effectiveness in the exercise of influence in organizations. Much of the literature which addresses this issue is biographic in nature (e.g., Evans & Novak, 1966), case study (e.g., Strauss, 1962) or relates overall leadership effectiveness as defined by group productivity to the possession of various bases of social power (Stogdill, 1974). An example of this last type of research is provided by Bachman, Smith and Slesinger (1966). They found that managers of high effectiveness sales offices were more likely to place reliance on referent and expert power as opposed to legitimate, coercive or reward power. Such research appears to provide only indirect clues concerning effectiveness in the exercise of influence.

Unlike previous investigations, this study utilized a criterion that was specifically designed to measure effectiveness in exercising influence (as opposed to overall leadership or group effectiveness). In addition, attention was directed toward characteristics of the process of exercising influence as possible determinants of effectiveness.

The results presented here examine the relationship between the rated effectiveness of managers in exercising influence and the likelihood they would use various methods of influence in given decision situations. The intent of this analysis was to determine whether managers rated effective use characteristically different methods of influence than individuals who are less effective. This analysis was purely exploratory in nature and thus no specific predictions were made concerning the nature of the relationships
likely to be found.

Method of Study

Sample and Research Site

The sample for this study was composed of 65 elementary school principals from three West Coast school districts. Sampling only elementary school principals allowed formal position power and role requirements to be held relatively constant in the study. In addition, studying elementary school principals provided a sample of managers occupying intra-organizational boundary spanning roles. The principals were clearly recognized as the spokesmen for their organizational subunits and thus in a position to exercise upward influence in the organization.

The three school districts studied were composed of an approximately equal number of elementary schools and had somewhat similar organizational structures. In each district the principals reported to an assistant or deputy superintendent of instruction. No major differences were found between the principals sampled from the three districts in terms of age, tenure in the district or tenure on the job of principal. For this reason, principals from the three districts were combined for purposes of analysis.

Research Instruments

Respondents completed a questionnaire specifically designed for this study that asked them to indicate their perceptions and behavioral intentions with respect to three decisions commonly faced by managers in organizations: (1) the allocation of budgetary resources; (2) reclassification or promotion of a subordinate in the absence of currently available budgetary resources; (3) securing resources to undertake a special project
(resources in addition to the basic budget allocation). In addition, principals were asked to distinguish between the early and late stages of the budgetary process in answering several questions to introduce the consideration of timing in the study. These decisions were chosen for study because they were felt to be commonly faced by most managers and the determination of the decision outcome is outside the authority of the principal. The exercise of upward influence is therefore necessary to affect the decision outcome.

For each decision situation and both stages of the budgeting process, principals were asked to indicate: (1) the perceived probability of successfully influencing the decision (measured on an 11 point probability scale representing the number of chances out of 100 of being successful); (2) the anticipated value (valence) of the outcome of successful influence (9 point scale ranging from "not valuable" to "extremely valuable"); (3) the name of the individual they would be most likely to approach in attempting to influence the decision and the name of the individual they would be next most likely to approach; (4) the likelihood of using five methods of influence with respect to each potential influence target (5 point scale ranging from "very unlikely to use method" to "very likely to use method").

The five methods of influence studied were: (1) threats (e.g., to go to the board); (2) appeals to legitimate authority (e.g., school board policies); (3) persuasive arguments; (4) rewards or exchange of favors; (5) providing information to the individual in such a way they are not aware you are trying to influence them. Following Gilman (1962), the last method of influence was interpreted as "manipulation." The defining characteristic of "manipulation" appears to be the lack of awareness on the part of the influence target that an individual is trying to influence them.
In addition, each respondent was asked to provide ratings of the overall influence of principals and administrators in the school districts, including themselves. The self-rating of influence was of particular interest in the study. Influence was defined as the "general ability to get others to do something they might not otherwise do." Ratings of influence were made on a 9 point scale ranging from "almost no influence" to "very high influence." To insure variance in the ratings and establish anchor points on the scale, principals were asked to use the following procedure:

1. first rate the individual they believed had the most influence in the district; 
2. next rate the individual they believed had the least influence; 
3. complete the remaining ratings. This procedure appears to have successfully insured an adequate level of variance in the ratings.

The needs for power and achievement were measured using the Manifest Needs Questionnaire developed by Steers and Braunstein (in press). This instrument utilizes behaviorally anchored preferences in the work situation to measure need strengths. The developers of the instrument report acceptable levels of reliability and good convergent and discriminant validity of the scales.

Independent ratings were obtained for each principal concerning their:

1. overall influence activity in the district; 
2. overall effectiveness in exercising influence. The ratings were made by the immediate superior of each principal on a 9 point scale ranging from "well below peers" to "well above peers." For purposes of analysis the ratings were standardized for each rater (mean zero and standard deviation equal to one) to eliminate the influence of rater response tendencies.
Data Collection

Questionnaires were distributed by the researcher and returned directly to the university by mail. Principals were told that the purpose of the study was to examine the use of influence by managers to achieve goals associated with the performance of their job. Questionnaires were individually coded so that responses could later be matched with the independent behavioral ratings. A great deal of emphasis was placed on the anonymity of responses and confidentiality of the study results in explaining the study due to the potentially sensitive nature of the topic. The average response rate across the three districts of 83% which was judged to be quite good given the use of a mail survey.

Results

Power Motivation

A measure of motivational force to exert influence was calculated separately for the budget, reclassification and special projects decision situations by multiplicatively combining the perceived probability of successfully exerting influence and the anticipated value of the outcome of successful influence associated with each decision. The independent rating of overall influence activity was examined in relation to the motivational force to exert influence (three measures), need for power, need for achievement and self-perceptions of power. Since the "predictor" variables cannot be assumed to be independent, a multivariate method of analysis was utilized. Multiple discriminant analysis was the method of analysis chosen due to its ability to provide more extensive information concerning relationships in the data. Respondents were divided into high, medium and low influence activity groups by trichotomizing the distribution
of standardized ratings based on scores one standard deviation above and below the mean. The results of this analysis are reported in Table 1. The reduced sample size in this analysis was due to the failure of several respondents to provide self-ratings of influence.

The results of the analysis indicate that influence activity was significantly related to the measures of motivational force, need strengths and self-perceptions of power. The strength of the multivariate relationship as measured by omega-squared corrected for small samples (Tatsuoka, 1973) indicates that 12% of the variance in the "predictor" measures was explainable by reference to the grouping of principals based on the level of influence activity.

An examination of the means and discriminant weights in Table 1 suggest that high influence activity principals can be described as having both high instrumental and intrinsic motivation to exert influence, as well as high self-perceptions of influence. The finding that the motivational force measure associated with the budget decision and, to a lesser extent, the special projects decision discriminated between high and low influence activity groups provides support for decision theory approaches to power motivation. The results indicate that principals who are active in attempting to influence the outcome of decisions in the school district are more likely to perceive a high probability that such activity will lead to valued outcomes. In addition, it was found that the need for power and self-perceptions of influence also tended to discriminate between influence activity groups. These findings are congruent with the results of previous research in which such measures have been found to be related to the propensity to exert influence in various situations.

Characteristics of the Influence Attempt

The first characteristic of the influence attempt examined concerned the choice of a target of influence (i.e., individual most likely to be approached
in an attempt to influence a decision) for the three decisions studied and the two stages of the budgeting process. It was predicted that the choice of an influence target would be related to nature of the decision to be influenced and the timing of the influence attempt. These predictions were examined in relation to the assertion of Tedeschi et al. (1972) that individuals are more likely to stay within the organizationally specified "chain of command" in selecting influence targets.

Interviews conducted with administrative personnel within each school district revealed that the "chain of command" was the same for each of the decisions studied and for the two stages of the budgeting process. In other words, within each school district the principal should go to the same individual in an attempt to influence each of these decisions. Because the "chain of command" was the same for each decision, the choice of different influence targets across the decision situations constitutes evidence of the propensity to deviate from the organizationally specified "chain of command" in exercising influence. A simple frequency count found that 59% of the principals choose different influence targets with respect to the three decisions and 27% choose a different target during the early and late stages of the budgeting decision.

To examine the relationship between the choice of a target and the nature of the decision situation, the choice of a target for each decision was divided into two classes: (1) target inside the "chain of command"; (2) target outside the "chain of command." Cochran's Q Test (Siegel, 1956) was used to test whether the principal's choice of a target was systematically related to the nature of the decision to be influenced. This test provides a method of testing whether three or more sets of frequencies differ among themselves when subjects are "matched" or repeated measures are used. The results of this analysis are reported in Table 2.
As the results in Table 2 indicate, there was a significant relationship between the choice of a target and the type of decision to be influenced. Although there was a marked tendency for principals to stay within the "chain of command" for the budget and special projects decision, this was not found to be the case with respect to the reclassification decision. Closer analysis of the data indicated that principals who deviated from the "chain of command" were likely to approach a staff personnel officer to influence this decision.

A similar analysis was performed to examine the relationship between the choice of a target and the timing of the influence attempt. As before, responses were divided into two classes reflecting the choice of a target inside or outside the "chain of command." McNemar's test for the significance of changes (Siegel, 1956) was used to test the relationship. The results are reported in Table 3.

The results in Table 3 demonstrate that the timing of the influence attempt was significantly related to the choice of a target. Principals were most likely to go outside the "chain of command" during the late stages of the budgeting process. Analysis of the responses suggests that during the late stages of the process principals indicated they were likely to go over the head of their immediate superior to the superintendent in making an influence attempt. Such a finding probably closely reflects the movement of the budgeting decision through the organization from lower levels during the early stages to the highest levels during the late stages.
of the process.

The second characteristic of the exercise of influence examined in the study concerned the likelihood of using five methods of influence in the three decision situations and both stages of the budgeting process. It was predicted that the choice of a method of influence would be related to the target of influence (holding decision situation constant) and the timing of the influence attempt (holding both decision situation and target of influence constant).

To examine the choice of a method of influence in relation to the choice of an influence target, the ratings of the likelihood of using each of the five methods of influence were compared for the two influence targets identified for each of the three decisions studied. In other words, a within-decision analysis was conducted resulting in three comparisons. By comparing the ratings for the two targets named for each decision it is possible to hold constant the affect of decision type on the choice of a method.

The method of comparison involved the calculation of a mean absolute difference score across the five methods for the two sets of ratings in each comparison (e.g., the absolute difference was taken between the likelihood of using persuasion with respect to the first target and the likelihood of using persuasion for the second target, and so forth for each method). If there were no differences in the likelihood of using the methods of influence across the two targets, the mean difference score would have a expected value of zero. On the other hand, if the likelihood of using the methods differed across the two targets, the mean difference score would have an expected value greater than zero.
The comparison for each of the three decision situations was tested by means of a t-test to determine whether the mean difference score significantly differed from zero. The results of the analyses indicated that the mean difference score was significantly different from zero in each of the three comparisons (t = 3.71, 3.20, 3.33, respectively). All t values were significant at p.<01 with 52 degrees of freedom (reduced sample size for this analysis is due to the failure of some respondents to indicate two different influence targets for each decision).

To determine whether the choice of a method of influence was related to the timing of the influence attempt, a similar method of analysis was used. The likelihood ratings for the methods of influence were compared for the target of influence that was most likely to be approached during the early and late stages of the budgeting process. In this analysis only responses in which the same individual was chosen as the influence target during the early and late stages of the process were examined (N = 47 responses). In this manner, it is possible to hold constant both the target of influence and the type of decision in determining the influence of timing on the choice of a method. The results of the analysis indicate that the mean difference score significantly differed from zero (t = 3.33, p<.01, 46 df). As a consequence of these analyses, it was concluded that the choice of a method of influence was significantly related to both the choice of an influence target and the timing of the influence attempt.

**Influence Effectiveness**

The relationship between the rating of influence effectiveness and the ratings of the likelihood of using five methods of influence was examined separately for the three decision situations and for the early
and late stages of the budgeting process. Although it is recognized that these analyses are not independent, the relationship was examined for each of the five situations to determine whether consistent relationships would be found. For each analysis, principals were divided into high, medium and low effectiveness groups based on a trichotomization of the distribution of standardized effectiveness ratings. Trichotomization was achieved by dividing the distribution based on scores one standard deviation above or below the mean. A multiple discriminant analysis was run for each decision situation to determine the multivariate relationship between influence effectiveness and the likelihood of using the various methods.

Insert Tables 4, 5, 6, 7, 8 About Here

The results of the analysis for the budget decision are reported in Table 4, the early stages of the budget in Table 5, the late stages of the budget in Table 6, the reclassification decision in Table 7, and the special projects decision in Table 8. As the results indicate, influence effectiveness was significantly related to the choice of a method of influence in four of the five decision situations (no significant relationship was found for the reclassification decision although the pattern of mean scores found in this situation was similar to that found in the other analyses).

An examination of the means and discriminant weights for each analysis suggests that "manipulation" was the method of influence that most consistently differentiated between high and low effectiveness principals. In the first three analyses, it was found that high effectiveness principals were more likely to indicate they would use "manipulation" than were medium and low
effectiveness principals. In addition, it was found that medium effectiveness principals indicated they were relatively more likely to use rewards or exchange of favors than were either the low or high effectiveness groups.

In the special projects decision (Table 8), a somewhat more complex pattern of results were found. The likelihood of using persuasive arguments differentiated the high and medium groups from principals rated low in effectiveness. High effectiveness principals were relatively more likely to indicate they would use "manipulation" than were principals in the other groups. The likelihood of using rewards or exchange of favors distinguished low and medium effectiveness principals from the high group. Further, medium effectiveness principals were slightly more likely to indicate they would use a threat. The strength of these relationships as measured by the corrected omega-squared (Tatsuoka, 1973) ranged from a low of 12% to a high of 23% across the analyses.

Discussion

The broad concern of this study can be summarized with reference to Lasswell's (1951) description of the central issue in research on politics: who gets what, when and how. More specifically, the results of the study provide information concerning the characteristics of individuals who are likely to be high in influence activity within the organization and several factors that may affect the method by which they exercise influence.

The results indicate that principals who were high in influence activity can be characterized by both instrumental and intrinsic motivation to exert influence, as well as high self-perceptions of power. The finding that high influence activity principals tend to perceive a relatively higher probability that influence attempts on their part will lead to valued outcomes suggest strategies organizations might employ in an effort to control
political behavior. Specifically, organizations may be able to control such perceptions through careful attention to the reinforcement of behavior in the work setting. For example, influence activity that is followed by negative reinforcement or a lack of reinforcement may serve to decrease the perceived probability that valued outcomes will result from influence activity and, eventually, extinguish such behavior. Further, selective reinforcement of the consequences of political behavior may control the extent to which the need for power is stimulated among managers in the work environment.

Although a significant multivariate relationship was found between the rating of influence activity and the measures of power motivation, the low strength of the relationship (12%) suggests that additional measures and more sophisticated measurement techniques need to be incorporated in future research. For example, Cartwright (1965) hypothesized that the role perceptions of the manager may be an important determinant in the degree to which they engage in influence activity. Such a measure was not examined in the present investigation. In addition, more sophisticated expectancy measures incorporating multiple outcomes and differentiating between various levels of effort may improve the prediction of influence activity.

The finding that principals were likely to choose influence targets outside the organizationally specified "chain of command" with respect to important decisions provides indirect evidence of the existence of political motivation in these organizations (this seems to be more plausible than the alternative explanation that principles were not aware of the "chain of command"). Presumably, principals who were not sensitive to political considerations surrounding the influence of decision outcomes would be more likely to confine their influence attempts to prescribed channels. The finding that the choice of an influence target was related to both the type of
decision to be influenced and the timing of the influence attempt suggests that principals made calculated choices among alternative targets in exercising influence. More research is needed to determine the factors for such choices. For example, future research might test the prediction of Tedeschi et. al. (1973) that the choice of a target is dependent upon perceptions that the individual controls valuable resources and can be successfully influenced. Other factors that may influence such a choice include informal interaction patterns and friendships that develop in the work setting.

The results with respect to the likelihood of using various methods of influence also suggest that the principals made calculated choices depending upon the individual to be influenced and the timing of the influence attempt. These findings add to the previous research which has found that several individual and situational factors influence the choice of a method. Future research may follow the lead of Raven and Kruglanski (1970) in attempting to determine the nature of the criteria that are used in making these choices. These results found in this study suggest that the likelihood of using various methods of influence may be dependent on perceptions that different methods are more appropriate and likely to be more effective given the particular person to be influenced. In addition, the choice of a method may be limited by formal and informal norms that develop in the organization concerning which methods are legitimate to use.

The finding that influence effectiveness was most consistently related to the likelihood of using "manipulation" as a method of influence appears to have Machiavellian connotations. The use of "manipulation," however, can be viewed as a strategic technique designed to maximize the influence agent's flexibility in exercising influence. For example, the influence agent runs
the risk of being turned down early in the process when more direct methods of influence are used (e.g., persuasive arguments). When this occurs, the only further course of action available to the individual may involve potentially costly attempts to go over the head of the immediate decision maker. In the school district setting, for example, the principal may go to the school board on a particular issue. By using more indirect methods of influence such as "manipulation," the influence agent maintains a higher degree of flexibility with respect to future action. In Newman's (1968) terms, he or she "avoids a decisive engagement."

When organizational politics is defined as the "deliberate exercise of power for particular ends" (Porter, 1974), it can be seen that the exercise of upward influence by managers in organizations constitutes one subset of the larger study of organizational politics. The tendency in the past to view organizational politics as an inherently negative feature of organizations has perhaps inhibited research on this topic. It appears more reasonable, however, to view organizational politics as a neutral phenomena in organizations. Political behavior is neither inherently positive or negative. Rather, the important consideration is whether behavior contributes to organizational goal attainment. Berliner (1973) provides one interesting example in Soviet industry where political behavior has been institutionalized because of its contribution to overall organizational effectiveness.

There is little doubt that additional research is needed to increase our understanding of the process through which power is exercised in organizations. This study focused on aspects of the process in educational organizations. Future research may examine the generality of these findings in other institutional contexts. Of particular interest may be the extent
to which organizational climate influences the level of political activity within the organization. Viewing organizational politics as a neutral phenomena in organizations will hopefully serve to increase research interest in this area.
References


Porter, L.W. Behavioral science in management: Where are we now? *Presidential Address to the 34th Annual Meeting of the Academy of Management, Seattle, August, 1974.*


Tatsuoka, M.M. *An examination of the statistical properties of a multivariate measure of strength of relationship.* (Final Report). Urbana, Ill.: University of Illinois at Urbana-Champaign, Department of Educational Psychology, College of Education, December, 1973.


Footnotes

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2 Following Dahl (1957), the terms power and influence will be used interchangeably. In the discussion which follows, the "exercise of power" and the "exercise of influence" both refer to the same fundamental process.
Table 1
Discriminant Weights and Mean Levels of Motivational Force, Need Strengths and Self-influence Ratings for High, Medium and Low Influence Activity Principals

<table>
<thead>
<tr>
<th>Measures</th>
<th>Influence Activity</th>
<th>Discriminant Weights</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Low (n=7)</td>
<td>Medium (n=38)</td>
</tr>
<tr>
<td>Motivational Force</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Budget Decision</td>
<td>21.0</td>
<td>29.9</td>
</tr>
<tr>
<td>Reclassification Decision</td>
<td>15.0</td>
<td>30.6</td>
</tr>
<tr>
<td>Special Projects Decision</td>
<td>45.0</td>
<td>51.8</td>
</tr>
<tr>
<td>Need for Power</td>
<td>3.4</td>
<td>3.8</td>
</tr>
<tr>
<td>Need for Achievement</td>
<td>2.9</td>
<td>3.3</td>
</tr>
<tr>
<td>Self-influence Rating</td>
<td>4.0</td>
<td>5.3</td>
</tr>
</tbody>
</table>

Note: Test Statistic = 23.2 (12df), p<.05, $\Omega^2$=12%
Table 2
Choice of Influence Target in Relation to the "Chain of Command"

<table>
<thead>
<tr>
<th>Choice of Influence Target</th>
<th>Decision Situation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Budget</td>
</tr>
<tr>
<td>Inside &quot;Chain of Command&quot;</td>
<td>49</td>
</tr>
<tr>
<td>Outside &quot;Chain of Command&quot;</td>
<td>15</td>
</tr>
</tbody>
</table>

Note: $Q = 8.6$ (2df), $p < .05$
Table 3
Choice of Influence Target
By Timing of the Influence Attempt

<table>
<thead>
<tr>
<th>Choice of Influence Target</th>
<th>Stages of Budgetary Decision Process</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Early</td>
</tr>
<tr>
<td>Inside &quot;Chain of Command&quot;</td>
<td>47</td>
</tr>
<tr>
<td>Outside &quot;Chain of Command&quot;</td>
<td>17</td>
</tr>
</tbody>
</table>

Note: $X^2 = 6.8$ (1df), $p < .05$
Table 4
Budget Decision: Discriminant Weights and Mean Likelihood Ratings of Using Five Methods of Influence For High, Medium and Low Effectiveness Principals

<table>
<thead>
<tr>
<th>Methods of Influence</th>
<th>Influence Effectiveness</th>
<th>Discriminant Weights</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Low (n=11)</td>
<td>Medium (n=46)</td>
</tr>
<tr>
<td>Threats</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Legitimate Authority</td>
<td>4.2</td>
<td>3.9</td>
</tr>
<tr>
<td>Persuasive Arguments</td>
<td>3.9</td>
<td>4.6</td>
</tr>
<tr>
<td>Rewards</td>
<td>1.2</td>
<td>1.6</td>
</tr>
<tr>
<td>Manipulation</td>
<td>1.8</td>
<td>2.2</td>
</tr>
</tbody>
</table>

Note: Test Statistic = 19.9 (10df) p<.05, η²=12%
Table 5
Early Stages of Budget Decision:
Discriminant Weights and Mean Likelihood Ratings
of Using Five Methods of Influence
For High, Medium and Low Effectiveness Principals

<table>
<thead>
<tr>
<th>Methods of Influence</th>
<th>Influence Effectiveness</th>
<th>Discriminant Weights</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Low (n=11)</td>
<td>Medium (n=46)</td>
</tr>
<tr>
<td>Threats</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Legitimate Authority</td>
<td>4.2</td>
<td>4.1</td>
</tr>
<tr>
<td>Persuasive Arguments</td>
<td>3.9</td>
<td>4.7</td>
</tr>
<tr>
<td>Rewards</td>
<td>1.1</td>
<td>1.6</td>
</tr>
<tr>
<td>Manipulation</td>
<td>1.9</td>
<td>2.2</td>
</tr>
</tbody>
</table>

Note: Test Statistic = 20.5 (10df) p<.05, $\eta^2 = 13\%$
Table 6
Late Stages of Budget Decision:
Discriminant Weights and Mean Likelihood Ratings
of Using Five Methods of Influence
For High, Medium and Low Effective Principals

<table>
<thead>
<tr>
<th>Methods of Influence</th>
<th>Influence Effectiveness</th>
<th>Discriminant Weights</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Low (n=11)</td>
<td>Medium (n=46)</td>
</tr>
<tr>
<td>Threats</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Legitimate Authority</td>
<td>4.3</td>
<td>4.0</td>
</tr>
<tr>
<td>Persuasive Arguments</td>
<td>3.8</td>
<td>4.7</td>
</tr>
<tr>
<td>Rewards</td>
<td>1.2</td>
<td>1.5</td>
</tr>
<tr>
<td>Manipulation</td>
<td>2.0</td>
<td>2.0</td>
</tr>
</tbody>
</table>

Note: Test Statistic = 23.4 (10df) p<.01, $\Omega^2 = 16\%$
Table 7
Reclassification Decision:
Discriminant Weights and Mean Likelihood Ratings of Using Five Methods of Influence
For High, Medium and Low Effectiveness Principals

<table>
<thead>
<tr>
<th>Methods of Influence</th>
<th>Influence Effectiveness</th>
<th>Discriminant Weights</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Low (n=11)</td>
<td>Medium (n=46)</td>
</tr>
<tr>
<td>Threats</td>
<td>1.2</td>
<td>1.1</td>
</tr>
<tr>
<td>Legitimate Authority</td>
<td>4.6</td>
<td>4.4</td>
</tr>
<tr>
<td>Persuasive Arguments</td>
<td>4.0</td>
<td>4.4</td>
</tr>
<tr>
<td>Rewards</td>
<td>1.1</td>
<td>1.4</td>
</tr>
<tr>
<td>Manipulation</td>
<td>1.9</td>
<td>1.9</td>
</tr>
</tbody>
</table>

Note: Test Statistic = 13.2 (10df) p = NS
Table 8
Special Projects Decision:
Discriminant Weights and Mean Likelihood Ratings
of Using Five Methods of Influence
For Low, Medium and High Effectiveness Principals

<table>
<thead>
<tr>
<th>Methods of Influence</th>
<th>Influence Effectiveness</th>
<th>Discriminant Weights</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Low (n=11)</td>
<td>Medium (n=45)</td>
</tr>
<tr>
<td>Threats</td>
<td>1.0</td>
<td>1.1</td>
</tr>
<tr>
<td>Legitimate Authority</td>
<td>4.6</td>
<td>4.2</td>
</tr>
<tr>
<td>Persuasive Arguments</td>
<td>3.7</td>
<td>4.8</td>
</tr>
<tr>
<td>Rewards</td>
<td>1.5</td>
<td>1.6</td>
</tr>
<tr>
<td>Manipulation</td>
<td>1.9</td>
<td>1.9</td>
</tr>
</tbody>
</table>

Note: Test Statistic = 30.8 (10df) p<.01, $\Omega^2 = 23\%$
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