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Seyventh Annual Report  
Behavior in Groups  
Test of a Proposed Theory of Leadership  
Contract N? ONR 35609  
Group Psychology Branch  
Office of Naval Research  
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I. INTRODUCTION

The contract was responsible for the publication of a book and several articles during the period November, 1959 through November, 1960. "Leadership and Interpersonal Behavior", the edited proceedings of a symposium held in March, 1959 was published (Petrullo and Bass, 1961). Also published in book form as a chapter was the extension of the theory of leadership to understanding conformity phenomena (Bass, 1961). In addition, articles appeared or were in press: (1) describing the verification of three theorems about successful leadership ability and group effectiveness (Bass, 1961c); (2) a comparison of objective indices of behavior in groups with observers, participants, and self-ratings of the same behavior (Garman & Bass, in press); (3) a test of the theorem that we want to be esteemed most by those we esteem (Wurster, Bass, & Alcock, in press); and (4) an evaluation of a film reaction test as a measure of sensitivity training (Bass, in press).

Negotiations are almost completed for publishing the SIT Inventory to identify self, interaction and task-oriented subjects. A manual has been constructed summarizing research with the SIT.

A two-day research planning conference was held in April at Dauphine Island, Alabama attended by investigators from Tulane University, Mississippi Southern College and Louisiana State University.

II. RESEARCH REPORTS COMPLETED

Technical Reports 24 through 27, described in the preceding annual report were completed and distributed during the current reporting period (Bass, 1961, d-f; Frye & Stritch, 1961).

A doctoral dissertation (Frye, 1961) examined the differential effects of success or failure as leaders on self, interaction and task-oriented quartets under conditions when the groups were reported effective or ineffective. Significant trends emerged, some in line with theory expounded in Bass (1960, Chapter 8), others requiring modification of theory.
For a master's thesis, Campbell (1960) paired self, interaction and task-oriented Ss so that every S of a particular type met every other after three pairings. Each dyad was formed to evaluate a man's face by ranking 10 traits after a discussion. Both subjective and objective comparisons were made of how the interaction varied in differentially composed dyads. Again, theoretical expectations were only partly confirmed. Results were more complex than expected.

III. REPORTS IN PREPARATION

The following research reports have been completed but not yet published, or are in preparation.

A. Modifying behavior in small groups
   1. Discussion time in groups after the supervisor leaves as a function of prior partial vs. full reinforcement by the supervisor, (Frye & Stritch).
   2. Effects of types of reinforcement on group behavior, (Frye, Stritch & Mullins).
   3. Effects of time pressure on group behavior, (Frye & Stritch).
   4. Effects of group size on group effectiveness and behavior and the significance of oddness vs. evenness in size, (Frye & Stritch).
   5. The reliability of objective group behavior indices based on rankings, (Frye & Stritch).

B. Self, Interaction and Task Orientation
   1. Further studies with professional women secretaries on effects of group composition on leadership and member behavior, (Bass & Dunteman).
   2. Orientation of good and poor supervisors and foremen; of supervisory and non-supervisory engineers in a chemical plant, (Dunteman & Bass).
   3. Orientation and college achievement (Dunteman, Stritch, South & Butler).
   4. Orientation and reactions to acceptance-rejection in a two-person situation, (Kanfer & Bass).

C. Simulated organizations
   1. Simulating manufacturing organizations in an industrial psychology class, (Dunteman & Bass).
   2. Competition between overlapping committee, simple and complex line-staff simulated manufacturing organizations, (Vaughan, Dunteman & Bass).
D. **Intergroup Conflict**
   1. Intergroup versus interindividual competition, (Gates, Frye & Stritch).
   2. Biases in the evaluation of one's own group, its allies and opponents, (Bass)

E. **Leadership Training**
   1. Mood changes during a sensitivity training laboratory, (Bass).

IV. **RESEARCH IN PROGRESS**

In the following studies, data collection and analysis are now in progress:

A. **Behavior in small groups**
   1. Correlation of relative successful leadership, with an optimally weighted prediction of post-discussion from pre-discussion rankings, (Dunteman).
   2. Factor analyses of objective indices of group behavior and a battery of personality tests, (Dunteman).

B. **Self, interaction and task-orientation**
   1. Personal history and orientation, (Dunteman).
   2. Changes in orientation from childhood through senescence, (Frye & Campbell).
   4. Fakability of the SIT Inventory, (Bass & Stimpson).
   5. Marital compatibility as a function of the differential orientation of spouses, (Frye, South & Spruill).
   6. Relation of children's orientation to that of their parents, (Frye, South & Spruill).
   7. Orientation and reactions to Freudian interpretation vs. non-directive counseling, (Butler & Frye).

*Some of these studies are being done without direct support of Contract N7 ONR 35609 but have been generated by previous contract research—or dovetail with current contract research efforts.*
C. Simulated Organizations
   1. Effects of effective and ineffective departmental performance, of "boss" support or rejection on supervisors behavior and reactions to "subordinates", (Vaughan and Bass).

D. Leadership Training
   1. A review of the leadership training literature (1950-60) in terms of its implications for military leadership training, (Dunteman & Vaughan).

V. REFERENCES AND BIBLIOGRAPHY (1960-61)


2. Bass, B. M. Independent and dependent variables of an apparatus to study leadership in simulated or real trios. Technical Note 3, Contract N7 onr 35609, Louisiana State University, December 1960b, 5 pp.


15. Wurster, C., Bass, B. M. and Alcock, W. A test of the proposition: We want to be esteemed most by those we esteem most highly. J. abnorm. soc. Psychol., in press.

VI. PROJECT PERSONNEL

Bernard M. Bass (½ time) Principal investigator
George Dunteman (½ time) Research assistant
Agnew Vaughan (½ time) Research assistant
Roland Frye Consultant
Thomas Stritch Consultant
Susan Ellaby Project secretary

A re-negotiation of overhead charges retroactive to July 1958 resulted in the loss of over 50 per cent of the funds budgeted for operations in 1961-3. If new support is not forthcoming, data collection and analyses will terminate on July 1, 1962 and 1962-3 will be limited to writing of reports. The technical report series will also be terminated immediately. To conserve funds, subsequent research reports will be distributed as reprints only after publication as journal articles.