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# TEACHER BEHAVIOR RATINGS AS A CRITERION OF TEACHER EFFECTIVENESS

by

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#### INTRODUCTION

It seems to be a matter of common agreement that there exists a need for some adequate measures which might be used as criteria of teaching effectiveness. This need and its recognition have produced a number of discussions of the problem in the literature, such as that by Ryans (5) and by Orleans, et. al. (4). It has also led to the unprecedented action of the American Educational Research Association which appointed a special committee to investigate the problem of setting up criteria in this area (3). The importance of this problem and the evident inadequacies of existing instruments for this purpose have led to a number of attempts to devise procedures which would serve the purpose more adequately.

In his analytic discussion of criteria of teaching effectiveness, Ryans (5) indicated that criterion measures should be one of two types: (1) observation of the teacher, and (2) observation of the product of the teacher's efforts, the pupils. The latter referred to the "pupil gain" criterion, and has usually been measured by achievement tests. With existing tests, however, it seemed to be limited to the measurement of subject matter learning and study skills and to provide no means of measuring pupils' progress toward a number of other important educational objectives of a less tangible nature. Since it seemed obvious that the learning of the students is, at least in part, the effect of the teacher's behavior, the first approach appeared to offer a better and quicker way of developing measures of teacher effectiveness in these non-subject-matter areas.

The purpose of this study was, therefore, taken to be the development of procedures to provide measures of some of these intangible aspects of learning in the classroom, through the observation of teacher behavior. It was assumed that the behavior of the teacher plays an important part in setting the stage for learning through its effect on the social and psychological climate of the classroom. This would mean that these teacher behaviors were assumed to determine to a considerable degree the amount and quality of student learning.

The purpose of the study thus became, more specifically, to develop rating procedures to provide judgments of those teacher behaviors which were thought to be related to the development of good pupil-teacher relations, the learning of cooperative, democratic ways of working together, and the development of habits leading to good mental health. The aim was to develop a set of observer rating scales that would have the following characteristics: (1) the variables to be rated would be psychologically meaningful and relevant to possible educational objectives, (2) each scale would include a single variable, the nature of which would be unambiguous, (3) the ratings would possess some degree of reliability, in the sense that the results obtained from different observers should be relatively consistent, (4) the scales should be usable by professional educators and psychologists without requiring an undue amount of special training and experience in the use of these particular scales, and (5) the scales should be relatively free of values in order to make them useful in a wider variety of situations than would be the case if values were made a part of the scales.

#### The Rating Scales

The project began with the preparation of a list of some thirty kinds of teacher and pupil behaviors that were thought to be of some significance in a specification of classroom climate and which were thought to affect the learning process. Many of these were modifications of the 'absulors of parents listed in the Fels Parent Behavior Rating Scales (1), and were based on the thought that parent behavior and teacher behavior have much in common. Others were added which seemed appropriate in the group work situation of the classroom and in the particular relations of children to their teachers. All were based on the notion that differences in the achievement of different classrooms are due to real differences in the teachers. It was felt that these differences could be observed. They were also based on the belief that the achievement and growth of the student is affected by such classroom characteristics as warmth, acceptance, permissiveness, consistency of teacher behavior, opportunity for cooperative group activity, competitive pressures, absence of fear and tension, etc.

This list of behaviors was then used in making up a set of rating scales patterned after the Fels Parent Behavior Rating Scales (1). Each scale was presented on a separate sheet of paper, and included a definition of the behavior to be rated, descriptions of the behavior at various points along the scale, the (graphic) rating scale, and spaces for the score and identifying data. With the addition of a validity scale this gave a total of thirty-two scales. (For the variables and their definitions see the copy of the scales, Appendix A.) In using the scales the rater was instructed to indicate two things: (1) his rating, and (2) the limits within which he would consider another rating as being essentially in agreement with his rating. His rating was indicated by marking the line scale at the point corresponding to his judgment. The score based on this rating was simply the distance of this mark in millimeters from the base line. The "tolerance limits" were also recorded in millimeters. These "raw scores" formed the information for the subsequent analyses and evaluation of the scales.

#### Procedures

The scales were then tried out by two observers in nearby elementary schools. After a short period of preliminary training in class observation, the two observers visited nineteen class-rooms in the public schools of central Missouri and six classrooms in the University Laboratory School (University of Missouri). In every case the observers visited the classrooms together. The usual procedure was for the observers to take seats in the rear of the room and to remain as unoptrusive as possible. During the observation period they made notes on the activities observed, incidents which occurred, and observations of the relationships between the teacher and the students. The observation period typically lasted for about one hour. The ratings were usually made later in the day from notes made during the observation. Where possible, the observers also made notes on the rating scales of the kinds of behavior observed which they believed had influenced the rating.

It had been intended to repeat this series of observations in order to check on the stability of the behaviors rated—to get a test—retest reliability measures on the scales. Due to the approach of the end of the school year this was not possible.

Of the twenty-five classrooms visited, four presented the observers with situations where the regular teacher had yielded temporarily to a specialist teacher in one case and to practice teachers in the others. Since it was felt that in these situations the regular patterns of classroom relations were markedly disrupted, these classes were excluded in making the analysis of the scales. This left data on twenty-one classrooms.

#### Results

One requirement that should be met in devising scales of this kind for the use of observers is that when a given situation is observed and rated there should be at least some degree of agreement between the ratings of the observers. The lack of such agreement would point out the inadequacy of the scale, the need for either revision or abandonment of that scale. The first analysis of the data of this investigation was aimed at testing the scales against this requirement. The results of the analysis are given in Table 1, which gives the means and standard deviations for each rater on each scale and the correlation between ratings of observers on each scale.

Examination of Table 1 indicates that there were a number of scales on which there was little or no agreement between the ratings of the two observers. In three cases the correlation between ratings of the observers was negative. Since these correlation coefficients are, in a sense, reliability coefficients, it is important that they be high enough to indicate at least some reliability. Taking a correlation of about .50 (r of .49 is significant at .01 level, one-tailed test) as an arbitrary minimum to satisfy this requirement eliminated all but twelve of the thirty-two scales. This meant that twenty scales needed to be drastically revised or to be discarded. Presumably, minor revisions would be sufficient for the twelve scales that had survived this requirement.

TABLE 1

COMPARISON OF OBSERVER RATINGS ON 2: CLASSROOMS

-	Scale	Obser	ver A	Obser	ver B	Inter-observer
	Scale	Mean	SD	Mean	SD	correlation
1. /	Adjustment of Classroom	56.1	13.0	60.3	13.5	.41
2. /	Activeness of Classroom	59.5	17.3	57.7	8.7	.75
3. 1	Discord in the Classroom	43.0	13.8	46.8	10.2	.13
4. C	Coordination of Classroom	61.3	9.6	57.1	11.5	.71
5. 5	Student-Centeredness of	56.0	18.5	53.8	13.5	.08
_	Classroom				22.0	
	Intensity of Contact	60.9	15.7	51.2	11.4	.22
	Restrictiveness of Regulations	53.5	15.1	52.4	12.3	.66
	Readiness of Enforcement	49.4	9.5	51.4	8.5	.36
	Severity of Actual Penalties	36.0 ·	8.7	42.7	11.6	.06
	Justification of Disciplinary Policy as Presented to Child	42.5	8.5	51.4	9.7	.35
11. I	Democracy of Regulation and Enforcement Policy	32.0	10.9	49.0	14.1	.21
12. C	Clarity of Policy of Regulations and Enforcement	56.4	7.6	54.1	12.6	.51
3. E	Effectiveness of Policy of	59.9	10.6	56.0	13.3	.79
	Regulations and Enforcement			50000	-	
	Disciplinary Friction	32.6	12.1	41.1	11.9	.35
	Quantity of Suggestion	65.5	11.7	64.8	11.5	.21
	Coerciveness of Suggestion	66.0	10.6	56.6	13.8	.34
	General Babying	49.0	13.3	49.4	13.1	.13
	General Protectiveness	62.0	6.9	46.7	10.7	21
	Readiness of Criticism	50.2	13.9	52.4	13.4	24
	Direction of Criticism	54.5	10.1	46.1	13.2	.50
21. R	Readiness of Explanation	47.0	20.0	54.4	10.6	.57
2. S	Solicitous for Student Welfare	30.8	8.9	39.5	11,2	.15
3. A	Acceptance of Students	56.5	15.8	48.6	16.0	.51
4. E	Emotionality	37.6	11.6	38.7	8.8	.45
5. U	Inderstanding	55.8	12.3	51.7	14.3	.67
	lapport Between Teacher and Students	60.6	14.5	47.2	15.2	53
	Affectionateness	62.0	10.7	49.6	13.5	.69
	ntra-Group Activity	70.1	9,6	68.6	9.1	.18
	Group Action	28,6	12.4	39.3	12.2	.18
	Acceleration	56.2	9.3	54.6	10.2	16
	Alidity	46.6	13.5	44.2	14.0	.62
	Ceacher Approach to Students	65.3	13.7	57.2	12,4	.44
	eacher Approach to students	00.0		31,4	16,4	.73

At this point the analysis was split into two parts: (1) the further study and analysis of the data to aid in a better understanding of what the scales were and how they related to each other, and (2) the (subjective) re-examination and revision of the scales. A summary of the results of work in these two parts follows in the order given above.

Part 1. A complete matrix of intercorrelations was obtained for the ratings of each observer (Tables 2 and 3). Two attempts were then made to determine in what manner the variables tended to cluster together.

The first of these was performed upon the intercorrelations of the twelve variables which had been found to possess some degree of reliability (as defined by inter-observer agreement). The procedure for the determination of a cluster consisted of inspecting the inter-correlations and selecting those variables which correlate highly with each other and little or not at all with the other variables. Use of this procedure revealed what appeared to be two clusters (Tables 4 and 5).

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INTERCORRELATIONS OF RATINGS OF ORSERVER A. TABLE 2

Variable

Accessed Characters   Strategy   Characters   Strategy   Characters   Strategy   Characters   Strategy   Characters   Strategy   Characters   Strategy
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13. Cartary of Policy   14. Cartary of Policy   15.
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11. Disciplinary Principle 12. Disciplinary Principle 13. Control subjection 14. Disciplinary Principle 15. Disciplinary Principle 16. Disciplinary Principle 17. Control subjection 18. Control subjection 18. Control subjection 19. Control subjection 19
Country of Suggestion   Coun
Continues of Sequence   Cont
General Background   General Background   Grant B
10   10   10   10   10   10   10   10
10   10   10   10   10   10   10   10
10 Therefore of Criticism   10 Therefore of Criticism   11 Therefore of Criticism   12 Therefore of Criticism   13 Therefore of Criticism   14 Therefore of Criticism   15 Therefore of Explanation   16 Therefore of Explanation   17 Therefore of Explanation   18 Therefore of Explanation   19 Therefore of Explanation   10 Therefore of Explanation   10 Therefore of Explanation   11 Therefore of Explanation   12 Therefore of Explanation   13 Therefore of Explanation   14 Therefore of Explanation   15 Therefore of Explanation   16 Therefore of Explanation   17 Therefore of Explanation   18 Therefore of Explanation   19 Therefore of Explanation   10 Therefore of Explanation   10 Therefore of Explanation   10 Therefore of Explanation   11 Therefore of Explanation   17 Therefore of Explanation   18 Therefore of Explanation   18 Therefore of Explanation   18 Therefore of Explanation   19 Therefore of
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The first cluster included eight variables (Tables 4 and 5):

- 2. Activeness of Classroom
- 7. Restrictivenessof Regulations (negative relationship)
- 20. Direction of Critic.sm (Approval)
- 21. Readiness of Explenation
- 23. Acceptance of Students
- 25. Understanding
- 26. Rapport between Teacher and Students
- 27. Affectionateness

This cluster was tentatively called the "warmth" cluster since all the variables seem to indicate the establishment of a comfortable and pleasant relationship between the teacher and the students.

The second cluster contained three variables (Tables 6 and 7):

- 4. Coordination of Classroom,
- 12. Clarity of Policy of Regulations and Enforcement,
- 13. Effectiveness of Policy of Regulation and Enforcement.

This appears to be a "stability" or "maintenance of order" type of cluster, since all the variables appear to indicate the presence of efficiency and planned organization of the classroom.

One variable of the twelve, 31. Validity, did not enter either of the two clusters. This variable was designed to indicate the extent to which the presence of the observers in the classroom altered the climate and conduct of the class.

The second analysis made of the way in which the variables cluster together was performed in the same way on the complete set of intercorrelations of the ratings made by Observer B. Although more confusing because of the larger number of variables involved, the results of this second analysis appear to be very similar to those obtained in the first analysis. The largest and clearest cluster again appears to be a type of "warmth" cluster and includes all the variables assigned to that cluster in the first analysis. In all, the cluster contained twenty-two variables. The variables assigned tentatively to this cluster with positive loadings were:

- 1. Adjustment of Classroom
- 2. Activeness of Classroom
- 5. Student-Centeredness of Classroom
- 6. Intensity of Contact
- 10. Justification of Disciplinary Policy as Presented to the Child
- 11. Demecracy of Regulation and Enforcement Policy
- 20. Direction of Criticism (Approval)
- 21. Readiness of Explanation
- 23. Acceptance of Students
- 25. Understanding
- 26. Rapport between Teacher and Students
- 27. Affectionateness
- 29. Group Action

The variables assigned to this cluster with negative loadings were:

- 7. Restrictiveness of Regulations
- 9. Severity of Actual Penalties
- 15. Quantity of Suggestion
- 16. Coerciveness of Suggestion
- 19. Readiness of Criticism
- 23. Intra-Group Activity
- 30. Acceleration
- 31. Validity
- 32. Teacher Approach to Students

Table 4

Intercorrelations of Variables of Cluster I for Observer A

	Variable	7	20	21	23	25	26	23
2,	Activeness of Classroom	17	.36	.35	.37	.61	.73	.58
.7.	Restrictiveness of Regul.		49	64	52	.03	52	40
ķ0.	Direction of Criticism			.46	.67	.33	.63	.60
21.	Readiness of Explanation				.39	.34	.64	.28
23,	Acceptance of Students					.64	.61	.60
25.	Understanding					•	.47	.51
26.	Rapport							.64
27.	Affectionateness							

Table 5

Intercorrelations of Variables of Cluster I for Observer B

	Variable Variable	7	20	21	23	25	26	27
2.	Activeness of Classroom	61	.43	.56	.62	.47	.53	.67
7.	Restrictiveness of Regul.		58	58	83	59	65	80
20.	Direction of Criticism			.80	.79	.59	.83	.73
21.	Readiness of Explanation				.82	.83	.89	.85
23.	Acceptance of Students					.78	.89	.88
25.	Understanding						.83	.82
26.	Rapport							.86
27.	Affectionateness							

Table 6
Intercorrelations of Variables of Cluster II for Observer A

Variable	4	12	13
4. Coordination of Classroom	•	.54	.60
12. Clarity of Policy			.62
12. Clarity of Policy 13. Effectiveness of Policy			

Table 7

Intercorrelations of Variables of Cluster II for Observer B

Variable	4	12	13
4. Coordination of Classroom		.66	.74
2. Clarity of Policy			.83
3. Effectiveness of Policy			

The second cluster obtained in this analysis of the ratings of Observer B appears to be the same as the second cluster obtained in the first analysis. It contains the same variables and appeared to be a "stability" or "maintenance of order" cluster. It contained four variables:

- 4. Coordination of Classroom
- 12. Clarity of Policy of Regulations and Euforcement
- 13. Effectiveness of Policy of Regulation and Enforcement
- 8. Readiness of Enforcement

This more complete analysis was not done on the intercorrelations of the ratings of Observer A. Although there were some differences and the correlation coefficients of Observer A were in general smaller, it was observed that they tended to follow the same general pattern as those of Observer B.

It would seem that the results of these cluster analyses are essentially in agreement with the factors reported recently by Ryans (6) in his study of teacher behaviors in the elementary school. Ryans found five oblique factors which he described as: A, Originality, adaptability and tolerance; B, Businesslike vs. disorganized, irresponsible approach; C, Understanding, fair vs. unfriendly, domineering; D, Sociability; and E, Appearance. The second cluster found in the present study, the "stability" or "maintenance of order" cluster, seems to be much like Ryans' factor B, Businesslike vs. disorganized, irresponsible approach. The first cluster, the "warmth" cluster, appears to correspond to Ryans' factors A. C, and D. It would not be unreasonable to suppose that with a larger number of cases and with the more rigorous procedures of factor analysis, this "warmth" cluster might yield several factors of the type indicated by Ryans. Since the present study included no scales dealing with teacher appearance, no clusters could be expected to correspond with Ryans' factor E.

In the course of the preceding analyses a phenomenon was observed that appeared not to be directly related to the main investigation, but which appeared to be both important and interesting. In a number of cases it was observed that the raters had disagreed on the ratings to be assigned teachers on a pair of scales, i.e., the correlation between raters was low. Yet when correlations were run between the scales (for each rater) the scales were found to be related. Take the following combination, for instance:

Variable	5	6 .
5	.08(a)	.65(b)
6	.66(c)	.22(d)

In this case (a) and (d) are correlation coefficients representing the degree of interobserver agreement; (b) is the correlation between the two scales based on ratings of Observer A;
and (c) is the correlation between the two scales based on ratings by Observer B. What was the
meaning of this sort of thing? Does it indicate a prestructuring of the phenomena of the classroom
in the minds of the observers as suggested as a possibility by Ryans (6)? And that cluster or factor
analysis revsals only the structure of a part of the observer's value system? Or is it merely evidence
of the presence of the "halo" effect? No answers to these questions could be found in the data at
hand.

Part 2. The evidence on scale reliability given above indicated the necessity of reviewing and revising many of the rating scales that had been constructed and tried out. At least twenty of the scales needed to be revised to make them more reliable before further work with them could be justified. The scales were, therefore, re-examined with special attention to those on which the agreement of the observers was low. This reconsideration resulted in the discovery of several characteristics of some of the scales that may have been contributing to this lack of reliability.

In the first place, there were a few scales which the observers felt could not be used because the observation period provided no opportunity to observe the behavior with which the scale was concerned.

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In these cases one observer refused to make a judgment, the other made ratings which were in the nature of predictions of what the teacher's behavior would be in that kind of situation. This was noticeably true for scales 18, General Protectiveness and 22, Solicitous for Student Welfare.

Second, it became more apparent that a number of the scales were not confined to a single, unitary dimension; that some scales included two or more kinds of behavior that were not necessarily closely associated. This was found to be true of even some of the scales that showed a satisfactory degree of inter-observer agreement. For example, scale 2, Activeness of Classroom, was composed of elements of activity and of tension. Scale 5, Student-Centeredness of Classroom, was built around the notion of meeting student needs. But observation indicated that the teacher, rather than ignoring student needs, was usually sacrificing some needs for others. This brought up the question of who is to define student needs--should the ratings be made on the degree to which the teacher is meeting the student needs as defined by the school board, the teacher, the pupil, or the observing psychologist? On scale 15, Quantity of Suggestion, one rater assigned two values to one teacher. The teacher was giving many detailed suggestions at some times (especially in initiating student activities), and in other phases of the activities was avoiding making any suggestions. Did this indicate the need for more than one scale, with each devoted to a particular kind of activity in the teaching process? Scale 21, Readiness of Explanation, included both explanation of the assigned topic and explanation of "irrelevant" subjects brought up by the students. Teachers often differed in readiness to explain these different kinds of topics. On scale 26, Intra-group Activity, there was apparently some confusion as to whether to rate on the basis of "planned" interactions or "casual" interactions, or both. There were other scales for which experience and data indicated the need to split the scale anto two or more additional scales for one reason or another, but the ones mentioned are perhaps typical.

Third, many scales appeared to need a more explicit definition of the behavior to be observed and of the points on the scale itself. It was discovered that the two observers had tended to base their ratings on different kinds of observed behavior: one rated as much as possible on the basis of student behavior, the other tended to prefer to observe and rate the behavior of the teacher. Insofar as the scales allowed these differences in the approach of the observers to the rating situation, the scales were at fault. It was felt that this was also contributing to the lack of agreement between the ratings of the two observers.

Another problem arose in connection with the question of values. The attempt had been made to construct scales that would be relatively free of value considerations with the idea that values could be applied later by persons using the scales. However, it became evident that the scales varied in the effects produced by this process of attaching values. Some of the scales survived the process rather well, the attachment of values resulting in the highly valued activity falling at an extreme of the scale. But many became "double-ended" or curvilinear when values were attached, with both extremes representing undesirable conditions and the most highly valued activity falling somewhere within the scale. This observation posed a problem that should have been foreseen and worked out ahead of time if the scales were to be of practical use.

This insertion of the problem of values and educational objectives forced a reconsideration of some of the assumptions underlying the whole research project: the nature and relevance of educational objectives, the general nature of any criterion, and the relations of both of these to any proposed criterion measures.

In summary, then, at this point it was seen that most of the rating scales were unreliable in use although the cluster analyses indicated that they were tapping some of the kinds of variables that many have considered to be important. A review of the scales indicated a number of ways in which they might be improved so as to increase their reliability. However, it was also discovered that the application of value judgments to the scales (a step necessary if they were to be used as criteria) led to a situation which would be very inconvenient in the analysis of results when the scales were used as criterion measures. Thus the problems of reliability and practicality forced a reconsideration of the whole criterion problem in the effort to find a means of re-casting the

<sup>1.</sup> We would like, at this point, to thank Dr. Kenneth B. Brown for bringing this matter to our attention.

measuring instruments into a form that would be reliable and that could handle in some way the values that must eventually be attached to the measurements.

#### A Reconsideration of the Problem

After a considerable amount of reading and thinking about these questions it became increasingly apparent that this type of approach to the criterion, popular as it may be, has some serious drawbacks from a theoretical standpoint. Educators seem to be in agreement on the whole, on the ultimate objectives of education, and therefore on the ultimate criterion which may be taken to be the student's performance in later life (3). Since the ultimate criterion is not one on which measures can readily be gained, it becomes necessary to resort to some type of intermediate criterion measures. Accordingly, they have had recourse to such things as measures of pupil achievement, ratings of teacher behavior, tests of qualities presumed to be associated with teaching effectiveness, and the teacher's record as a college student (2). At the present time the first two of these are the only ones that appear to be considered seriously as criterion measures (3, 5, 7). The present study began with the object of developing improved measures or instruments for the rating of teacher behavior. It is now seen that the project ran into difficulties. It could not have been otherwise. An intermediate criterion measure, to be useful'as a criterion measure, must be related to the ultimate writerion (9). This relationship must often be assumed. The question in this study became, then, one of how large an assumption should be made. For such measures as those of pupil achievement the assumption of relevance to the ultimate criterion can be made easily--it seems reasonable to assume a relationship between what a student learns now and what his behavior will be when he leaves school. The same assumption cannot as readily be made about the relation between what the teacher does and what the student does in later life. In the first place, this assumption requires one more "jump" from the ultimate criterion than does the "pupil gain" criterion. In the second place, it has been repeatedly observed even by those advocating its use, that a teacher behavior criterion is faced with certain serious problems (2, 3, 4, 8). Different teachers showing what appears to be the same behavior get different results from the student. It appears that different students react differently to the teacher exhibiting this behavior. It has also been noted that teachers showing different behaviors sometimes attain similar results. In other words, to predict student outcomes from teacher behavior would require a combination (the nature of which has yet to be demonstrated) of teacher personality (specific traits unknown), teacher behaviors (unknown), and the special situation in which the teaching is done (the significant variables in this situation are also unknown)<sup>2</sup>. The evidence is clear. It is utter folly to continue to assume a simple relationship between simple teacher behaviors and the ultimate criterion of education. The attempt to develop an adequate measure of teacher behaviros for use as a criterion measure has, therefore, been abandoned.

#### Plans for Future Research

The purpose of this project, the development of measures of some of the intangible aspects of learning in the classroom, will be retained. But the attention will be shifted from the behavior of the teacher to the behavior of the students in the class. Experience of the project staff and of others indicates that a great deal can be learned from the observation of students (8). If a device could be developed to help the observer see and report the student behaviors in the classroom, and to help him organize these observations according to their meanings, the result would be a measuring device that would fall into the same category or criterion measures as does the "pupil gain" criterion, which, as indicated above, does not require assumptions that are too remote or which are contrary to fact. The goal of this part of the project, then, will be to produce an illustrative device of this sort and to try it out.

What seems to be indicated as necessary in such an instrument are the following: (1) emphasis on student behavior, (2) specific behavior descriptions, (3) definite provision for application of values to the scales, and (4) a format which would be not too time-consuming. The project staff

<sup>2.</sup> A formulation similar to this one was presented by N. L. Gage at the 1953 Convention of American Personnel and Guidance Association, Chicago, April 1, 1953

is now engaged in the development of such an instrument.

#### Summary

- 1. An attempt was made to formulate a series of teacher behavior rating scales which would serve as criterion measures in the study of teaching effectiveness.
- 2. The scales were tried out by two observers in twenty-one elementary school classrooms. The results showed some degree of reliability (inter-observer agreement) for twelve of the thirty-two scales. Three possible reasons for the unreliability of the remaining scales were presented:
  (a) the attempt to rate behavior that occurred too infrequently, (b) inadequate specification and definition of behaviors to be rated, and (c) permitting the observers to base their ratings on the observation of either student or teacher behavior.
- 3. A cluster analysis of the results indicated that there were probably two clusters of importance included in the scales: (a) a "warmth" cluster, and (b) a "maintenance of order" cluster.
- 4. A reconsideration of the criterion problem indicated that this type of approach leads to results that are logically unacceptable as criterion measures, and that an approach utilizing observation of student behaviors would be more acceptable.

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APPENDIX A
The rating scales

Teacher	Date of Observation
Grade	SchoolRoomCity
Rate the g	ADJUSTMENT OF CLASSROOM (Well adjusted - Maladjusted) eneral internal adjustment of the class as a whole in its
day-by-day by satisfa	relationships. Is the classroom atmosphere characterized ction, stability, achievement, and happy adjustment; or by unpleasantness, repression, and insecurity?
motives, o economic,	broad variable, including conflicts among persons, among r with obstacles. Conflicts may be emotional, social, or physical; both overt and covert. Rate the total conthe quality of the students' classroom atmosphere.
-	Exceedingly well-adjusted. Characterized by pleasant cooperation, security, and full satisfactions throughout.
	Fundamentally sound adjustment, but with minor conflicts here and there.
	Fairly smooth on surface, but suggests inducement of repression or insecurity.
- ;	Definite evidence of mild maladjustment throughout.
- 1	Dominated by maladjustment, coloring most class activities.
	Extreme maladjustment; torn with conflict, repression, and insecurity.
Score	
Rater's re	marks: (continue on back of sheet)

Teacher	Date of observation
Grade	SchoolRoomCity
	ACTIVENESS OF CLASSROOM (Active - Inactive)
as a whole	neral activity level of the classroom, taking the class. Is the classroom atmosphere active, quick, and alert; nactive, slow, and inert?
of activit	broad, general variable, including amount and quickness ty, alertness, decisiveness, and tension, insofar as they est overtly as part of the students' environment.
_	Classroom extremely bustling, busy, excited, tense.
-	People in classroom move quickly, talk rapidly, work with dispatch. Classroom alert, wide-awake, moving, decisive.
-	People move, talk, and work without haste, but with some dispatch. Classroom alert, but not hypertense.
-	People move, talk, and walk with leisurely deliberateness. Classroom relaxed, but not lackadaisical.
-	People move slowly, talk slowly, work slowly. Classroom passive, relaxed, easy-going, indecisive.
_	Classroom poky, lackadaisical, lazy, slow-moving, procrastinating.
Score_ Tolerance Range	
Rater's r	emarks: (continue on back of sheet)

Teacher_	Da te	of Observation_	
Grade	School	Room	_City
	DISCORD IN THE ( (Conflict - He		
an atmos criminat unpleasa	extent to which the classroom phere of overt conflict, discion, quarreling, complaining at discord among individuals of the classroom typically	cord, unpleasant Is the atmosp Or are the in	argument, re- here marked by terpersonal
types of	inter-student and student-teamaladjustment, as worry, insonly insofar as it impinges r	security, illnes	s, and cynicism.
-	Classroom flies into vindic disputes, on slightest pro-		tion, bitter
	Underlying discords often large harmony as sharp argument unpleasant wrangli	ments or ill-nat	ured sarcasm.
-	Harmonious basic relationsl of surface contention, bick	hips, overlaid w kering, and teas	ith a good deal
-	Tolerant, friendly. Argume Teasing occasional. Quarre		good-na tured .
_	Peaceful, harmonious, agreeroom harmony disturbed only stances.	eable atmosphere y under rare and	reigns. Class- extreme circum-
Score_ Toleranc Range	9	Date of	rating
Ratoris	remarks: (continue on b	ack of sheet)	

Teacher_	Date of Observation
Grade	SchoolRoomCity
	COORDINATION OF CLASSROOM (Coordinated - Chaotic)
of organi	routine functioning of the classroom as to its smoothness zation. Is it effectively planned and executed? Or is it ated and chaotic?
systemati of schedu works in	casis of effectiveness in operation rather than tendency to be ze every detail. Include care of belongings, coordination ale, planning, and general efficiency of organization as it practice. Disregard variation in aesthetic standards, styles and quantity of equipment, etc.
-	Extremely effective management. Model of efficiency. Long range planning, flexibly executed. Confusion unknown.
-	Smooth-running and efficient on the whole. Classroom kept in order and on schedule most of the time. Activities planned ahead. Some superficial disorder.
-	Fair coordination. Considerable disorder, but can usually find things. Some inefficiency of planning, but class activities are relatively adequate. Sometimes off schedule.
-	Poor coordination; essential rudiments of organization are there, but inefficiency and confusion are common. Often late; off schedule half the time. Classroom disorderly.
-	Chaotic, disorganized. Nothing happens on schedule. No planning. Equipment in tangled scramble. Confusion reigns even in essentials.
Score Tolerance Range	RaterDate of rating
Rater's r	emarks: (continue on back of sheet)

	Da te	Date of Otservation		
Grade	School	Room	Ci ty	
	STUDENT-CENTEREDNESS (Student-centered - Stude			
which it is apparent no teacher to	rganization of the classros built around the student eeds of the students consignatify himself in terms origidly follow his sched	<b>ts' n</b> eeds an idered ఓటుye of his plea	ed welfare. Are the the the needs of the	
fice of pla	s student-centered to the easure, convenience, oppore students.			
Ī -	Whole classroom revolves many major sacrifices for	about the n	eeds of the students; ts' trivial comforts.	
	Consideration for the stunot to the extent of direction of the teacher.			
-	Needs of the students are extent that they do not or involve additional eff	disrupt plan	ned classroom procedure	
-	Student needs get proport disregarded as attended	tional consi to.	deration; are as often	
_	Although given attention the students are often no	in critical	matters, the needs of favor of other interest	
_	Classroom organized stric Student needs clearly neg	etly about i glected in f	nterests of the teacher Cavor of other interests	
	Rater	Da	te of rating	

Teacher	Date of Observation				
Grade	School	Room	City		
		Y OF CONTACT ous - Inert)			
Does the	reactivity of the teac teacher react readily the students as much	and vigorously	tacts with the students; or does he tend to		
students suggestio	ty" includes both init and responding to studen, affection, coercion, play, scolding, thre	ent initiative help, convers	. It includes attention ation, criticism, in-		
Rate only independe	on situation where the nt of duration of cont	ere is opportu act.	nity for stimulation		
	Intensively vigorous,	, overstimulati	ng, excited.		
	Active, readily atter	ntive, vigorous	•		
-	Fairly active, respon	sive, alert.			
-	Accessible, intereste	ed, half-hearte	d, reserved.		
7	Perfunctory, passive,	, retiring, tac	iturn, bored busy.		
_	Oblivious, absorbed,	inaccessible,	preoccupied.		
Score Tolerance Range		•	Date of rating		
Rater's r	emarks: (contin	nue on back of	sheet)		

Teacher	Date of Observation
Grade	School Room City
	RESTRICTIVENESS OF REGULATIONS (Restrictiveness - Freedom)
teacher a Are the ring these	restrictiveness of the regulations set up or implied by the as standards to which the students are expected to conform. requirements numerous and severe; or few and mild? In meeters tandards would the child be highly circumscribed in his or would he still have a large measure of freedom?
implied i and methorequireme	whether requirements are sharply codified rules, or merely in the disciplinary policy. Disregard the teacher's motives ods of enforcement. Include both prohibitions and positive ents. Consider the standards expected, regardless of how are enforced.
-	Teacher's standards for students' conduct are minutely restrictive beyond all reasonable interpretation of either students' welfare or classroom convenience.
-	Requirements are unnecessarily abundant and exacting, but usually aimed at practical ends rather than "pure discipling
-	Restrictions are moderate and practical, but teacher shows little concern for students' freedom as an end, imposing requirements whenever they seem expedient.
	Standards and regulations are somewhat liberal. Freedom is allowed in a few matters commonly subject to regimentation.
-	Students are expected to conform to a few basic standards but teacher will endure considerable annoyance rather than unduly restrict student freedom.
_	Standards are both scarce and mild, limiting student freedom barely enough to avoid serious damage to persons and property.
Score Tolerance Range	
Rater's I	remarks: (continue on back of sheet)

Teacher	Date of Observation
Grade	SchoolRoomCity
	READINESS OF ENFORCEMENT (Vigilant - Lax)
up for th	teacher's tendency to enforce the standards of conduct set e students. Does the teacher follow up to see that the onforms, or sustains a penalty? Or are lapses in compliegarded?
for the t being, or of enforc of enforc confuse w	able applies only to situations where there is an opportunity eacher to enforce an accepted standard which has been, is is about to be violated by the student. Disregard the method ement and the severity of penalties. Disregard effectiveness ement and clarity to the child of standards involved. Do not ith the non-regulational type of teacher domination covered uggestion" scales.
	Eternally vigilant. Goes out of way to discover and discipline misconduct. Often pounces before lapse occurs.
-	Seldom lets student "get away" with anything. Enforces rules strictly whenever violations come to attention, but seldom deliberately hunts for misbehavior.
-	Moderately firm. Strict about important requirements and prohibitions; but rather lax with minor violations, especially when they are not an issue at the moment.
_	Reluctant to enforce standards. Tends to overlook violations unless they are flagrant, cumulative, or threaten serious consequences.
_	Extremely lax. Disregards obvious misbehavior. Enforces regulations only when pressed by the strongest motives or the severest circumstances.
Score Tolerance Range	

Rater's remarks: (continue on back of sheet)

Teacher		Date of Ob	serva tion
Grade	School		City
		OF ACTUAL PENAL' ld - Severe)	TIES
	f misconduct. Are p		teacher takes official y severe, or light and
conduct, from mild of privil or implie	invoking no penalti l verbal reproof to leges. Consider onl	es. Include al severe corporal y such situation tandards. Try	tirely disregards mis- l censorial reactions punishment and removal ns as come under express to judge the penalties in r the students.
-	Severe penalties, dread, terror, or		nulating students to resentment.
-	Rather severe on in extenuating cir	•	inclined to be lenient
-	Moderate penalties vating power for students are oversly resentful.	s. Severe enoug the child; but r inhibited, sever	gh to have definite moti- not so severe that the rely frightened, or deep-
	Mild penalties prosituation; but permuch motivating pe	nalties often so	be severe in critical eem too mild to have
-	Most flagrant mis than weak verbal their potency for	remonstrance. I	es no penalty more severe Penalties are so light that s negligible.
Score Toleranc Range	e	Ra ter	Date of rating
Ra ter's	remarks: (con	tinue on back of	f sheet)

Teacher_		Da te	of Obse	rva tion
Grade	School	······································	Room_	_City
JUSTIF		CIPLINARY POLI Rational - Arb		RESENTED TO THE CHILD
for requi	rements and per	nalties. Does 1 basis? Or a	the tere to	e students the reasons acher attempt to put all policies presented in a
of enforce codified a Include a	ement. Disrega and the extent	ard the clarit to which they sures, whether	y with are de pertai	d readiness and severity which regulations are mocratically set up. ning to established stion.
_	hind requireme		tions,	ractical reasons be- even in emergencies or
-				audents, as a general rule. issue is very critical
-	No apparent to the rational	endency favori approach to st	ng eith udent c	er the peremptory or ontrol.
-	Arbitrary in a pressed. Often as reasons.	most matters. er avoids the	Does nissue,	ot justify policies unless or invokes moral precepts
_	Never explains in very arbits question "why	rary fashion,	s tuden t expec ti	s. Handles discipline ng students never to
Score Tolerance Range		Ra ter		Date of rating
	emarks: (d	rontinue or ba	ck of s	heet)

reacher	<del></del>		pate	or obse	rvation	<del></del>
Grade	School_		Roc	omC	1 ty	
	DEMOCRAC		LATION AND atic - Dic		EMENT POLICY 1)	
of regula	tions for voice in	the stude determini	ents' condu	et. D	e students the oes the teacher y shall be? Or mabove?	give the
of Sugges students both over	stion). Rand indert consult. Dictatoria	ate indepe pendent of ing with s	endent of frestrict students ar	justifi veness id cons	licy (see Coerc cation of polic of regulations idering student foolish, benev	y to . Include s'expresse
-	Endures min giving with stud	uch incon students lents in f	venience a large sha ormulating	nd some re in polici	e risk to class; policy forming. ies whenever pos	room welfare Consults
-	Attempts practical	to adjust	policies n consults	to stude	ients' wishes whats.	nenever
-	but dicts	tes when		sharp	safe or trivial conflict betweeners.	
-	Neither d	emocratic	nor dicta	torial urse i	, deliberately. n most cases.	Follows
-	Tends to considers	be rather	dictatori tudent des	al, bu ires.	t usually gives Seldom consult	benevolent students.
-	occasions	llv when	they do no	t conf	ccedes to stude: lict with own co	onvenience
-	Dictates consults	policies students	without re when setti	gard to	o student wisher	s. Never
Score	<del></del>	Ra t	ær	<del></del>	Date of rati	ng
Rater's r	emarks:	(continu	e on back	of she	et)	

Date of Observation
Grade School Room City
CLARITY OF POLICY OF REGULATIONS AND ELFORCEMENT (Clear - Vague)
Rate the clearness with which the teacher's standards of student conduct are manifested to the students. Are regulations and requirements clearly formulated and consistently executed, so that the students should be able to know what is expected of them and what will happen if they fail to conform? Or are the teacher's standards and policies so vague or fluctuating that the student has little chance of adjusting?
Schedule and other standards are precisely formulated and adhered to meticulously. Teacher goes out of way to maintain clear, consistent policy regardless of special circumstances.
Policies are sometimes adjusted to meet unusual circumstances but on the whole they are clear-cut and consistent.
There is a core of reasonable consistency about teacher's policy, which serves as a stable basis for adjustment despite numerous minor fluctuations and vagueness about details
Standards are usually formulated, but exceptions and modi- fications are frequent enough to keep students readjusting. Schedule often upset.
Regulations vaguely formulated. Enforcement uncertain and inconsistent. Student basis for adjustment is slight, even in some major matters.
Policies of teacher in dealing with students are so erratic, unformulated, and inconsistent that students never know what to expect. Schedule chaotic.
Score Range
Rater's remarks: (continue on back of sheet)

Teacher	Date of Observation
Grade	SchoolRoomCity
EFF	ECTIVENESS OF POLICY OF REGULATIONS AND ENFORCEMENT (Successful - Unsuccessful)
by the tea	legree to which the student conduct meets the standards set acher. Are the students well-behaved? Or do the students eet the requirements implied in the teacher's control policy?
amount of	erms of the students' net overt behavior, disregarding the coercion, threats, penalties, etc., employed in producing for. Disregard student inner conflicts in conforming.
-	Students conduct themselves in accord with teacher's standards in every respect. Teacher's policy achieves its goal.
-	Teacher attains goal in all major respects and most minor on
-	Policy predominately successful, although it fails in many instances and respects.
	Success very questionable. Teacher's regulations and enforcment fail to produce the desired results about as often as they succeed.
-	Teacher's policy fails to elicit the desired behavior in most of the important aspects of control.
_	Student overt behavior is entirely at odds with standards implied in policies of teacher. Policy entirely unsuccessful
Score Tolerance Range	
Rater's r	emarks: (continue on back of sheet)

Teacher_	<del>.,</del>	Date of	Observation	
Grade	School	Room	City	
		CIPLINARY FRIC entious - Cond		
of regulstudents lion in	amount of overt ations and reques characterized by regard to student us coordination,	ts. Is the recontinuous was conduct? Or	elationship betw rangling, resist is discipline c	een teacher and ance, and rebel- haracterized by
is, how trol the	d whether student much disharmony o students! conduc mmediate suggesti	ccurs as part t, both in en	of the teacher'	s attempt to con
_	Situations to w characterized b resisted. Fric	y overt teache		
-	When student is there is usuall Friction freque	y an argument		
_	frequently, but	harmonious ad	nild resists, et ljustment in dis . Friction mode	ciplinary situa-
-	Teacher-child c exceptional, su		now and then, bu mild.	t they are
-	Disciplinary co student conform lapses. Fricti	s docilely, or	the teacher tra	
Score Toleranc Range	C	Ra ter	Date o	f rating
Ra ter's	remarks: (con	tinue on back	of sheet)	

Teacher		te of Obse	rva tion
Grade	School	F.oom	_Ci ty
Rate the	QUANTITY OF S (Suggesting - Nor teacher's tendency to make	-suggestin suggestic	ons to the students. Is
attempts :	er constantly offering recto direct the students' in thhold suggestions, giving	mediate be	ehavior? Or does the
Rate only "suggestic	not apply to routine regularity where there is opportunity on" is defined broadly, in negative, verbal and non-verbal and non-	ty for suggesting displaying displaying the suggesting of the sugg	gestion. Note that lrect and indirect, posi-
_	Teacher continually attempt of the students' routine as well.	npting to functioni	direct the minute details ng, and "free" activities
-	what to do next or how to	o do it.	, but more often indicates
-		cy to inte	riere by making suggestion
-	large measure of freedom	to do thi	
_	but tends to withhold th they are the obvious rea	em when the tiction to t	the immediate situation.
Score			Date of rating
Range			
Patonie r	emanks. (continue on	back of sh	neet)

Teache	rDa t	e of Obs	ervation
Grade_	School	_F>0m	_Ci ty
Rate as	COERCIVENESS OF (Mandatory - s to dictatorial quality the the students' immediate behavi	Optional teacher	s suggestions in dealing
control does t	l a situation by issuing orde the teacher make his suggestion he child?	rs or co	mmands to be obeyed? Or
see th	only where teacher is trying rough the verbal form to the -does the suggestion demand o	signific	ant content for the stu-
Ī-	Efforts to control student to be obeyed at once, eve	nts take en in tri	form of peremptory orders, ivial matters.
-	Suggestions not quite abs		n coerciveness, but immediate of any importance.
	Teacher coercive in major gestions where there is n	affairs	s, but uses optional sug- tant issue.
	Definite tendency to avoi uses it when exasperated non-coercive suggestion.	or persi	on where possible, but stently unsuccessful with
	Commands resorted to only Teacher goes cut of way to students.	in life to avoid	e-and-death emergencies. coercion in his suggestions
Tollera.	nceRater	<del></del>	Date of rating
Rater'	s remarks: (continue on	back of	sheet)

Teacher_	Date of Observation
Grade	CchoolRoomCity
	GENERAL EAEYING (Over-helps - Withholds help)
difficultin situat	teacher's tendency to help the students through the ordinary ties of everyday life. Does the teacher insist on helping tions where the students are quite capable; or does the teache aid even in major difficulties?
drill and mental,	ative to the student ability level. Disregard deliberate i training. This is a general variable including motor, emotional, and social behavior. It applies only to tasks the are attempting, not to teacher-imposed requirements resisted tudents.
7	
-	Continually helping students, even when students are fully capable and willing.
_	Usually helps more than needed. Seldom lets students strugg unsuccessfully.
-	Helps when needed, but not when students can get by alone.
-	Tends to withhold aid, letting students solve own minor problems. Offers help after prolonged failure or in emergen
-	Leaves students alone to solve even major problems, often refusing aid when requested.
ScoreToleranceRange	e
Rater's :	remarks: (continue on back of sheet)

Teacher		Da te	of Observ	ation
Grade	School	Room	C1 ty_	
		GENERAL PROTECT: (Sheltering - E:		
well-be shelter does th	ing. Does the ed, and prevent	teacher tend to difficulties for	keep the com reachi	ards to the student students unnecessarily ng the students? Or dangers, perplexities,
emotion maturat How muc	al, mental, and ional level. Di h does the prote	social hazards isregard whether	. Rate re r students of the te	from physical, bacterial lative to the students's are aware of protection eacher tend to protect
-	Tends to she discomfort of	lter students for difficulty.	rom every	imaginable slight
-	Not given to from many tr	inventing imagi	inary haza ies which	ards, but does protect students could handle.
_	Allows stude: but shelters	nts to be expose from serious u	ed to many psets ever	minor difficulties, if purely temporary.
	Lets student Jasting harm		acles wher	n there is no danger of
_	Exposes stude quite serious	ents to rather sor situation a	tough situ acute.	ations, unless danger is
_	problems, su		ious to ha	or hazards, dangers, zards, or deliberately
Score Toleran Range	ce	Ra ter		Date of rating
Rater's	remarks: (c	continue on back	c of sheet	:)

Teacher_	Date of Observation
Grade	SchoolRoomCity
	READINESS OF CRITICISM (Critical - Uncritical)
tude toward vigorous: teacher r	teacher's tendency to express an approval-disapproval atti- ard the students' behavior. Does the teacher readily and ly express a reaction to things the students do; or is the non-committal, repressed, uninterested, or stoical toward ents' actions?
approval facial ex	tendency to express criticism regardless of whether it is or disapproval. Criticism may be vertal, gestural, or by expression or tone of voiceany signal to the student indicate oval or rejection of behavior in a specific situation.
T -	Alert to react to students' every move, regardless of how trivial.
-	Quick and free in expressing approval - disapproval. Criticism may be mild, or withheld, if the matter is obviously trivial.
-	Reacts freely when attention is called, but not alert for chance to criticise.
	Tends to refrain from reacting critically in unimportant matters. Usually responds when pressed.
-	Withholds criticism unless greatly aroused. Tends to be poker-faced, non-committal,
_	Gives no indication of either approval or rejection of student acts, regardless of importance.
Score Tolerance Pange	
Rater's r	emarks: (continue on back of sheet)

reacher		_pa ve or	Observa C.	rout	
GradeSchool	1	_Room	City		<del></del>
	DIRECTION (Approval -				
Rate the direction behavior. When praise, approval	the teacher read	cts does	it tend to	take the form	nof
Rate only situation behavior rather cisim may be verified that the same as witnesses. Reference of the control	than general aff cal, gestural, c sed either direc	fectionat or by fac otly to t	eness or l ial expre: he studen	hostility. Cr ssion or tone o ts or with the	lti- of voice student
Warm, ordina	unambiguous pra ry behavior. S	ise and c lortcomin	ommenda ti igs over lo	on toward even oked or excuse	ra ther d•
	is on approval. aneous acclaim.		.sapproval	is sugarcoate	d with
	ed criticism. Page 18 and the second			obation, predo	mina tes
	to disapprove mais tempered wis.				
Teache worthy propor	r always finding behavior, pick tionately.	g fault. ing out m	Ignores inor deta	or belittles p ils to critici	raise- se dis-
Score Tolerance Range	Ra te: —	r		Date of rating	
Rater's remarks:	(continue o	on back o	f sheet)		

Teacher	Date of Observation
Grade	SchoolRoomCity
	READINESS OF EXPLANATION (Satisfies curiosity - Thwarts curiosity)
curiosity and "How?	teacher's tendency to satisfy the students' intellectual . Does the teacher readily respond to the students' "Why?" " questions; or is the student thwarted in attempts to get on and explanation from the teacher?
tions which furnishing think for A teacher	accuracy, depth, and honesty of answers. Note that explanach are too ambitious, or too forced, may rate low; and the gs of specific references may rate high. Active coaching to self may rate high. Do not confuse with mental tabying. may refuse to do the student's simple thinking, and yet go s way to help with difficult explanations.
-	Never too busy to answer student questions as adequately as possible. Anticipates questions. Encourages curiosity with willing explanation.
_	Goes out of way to answer fairly involved questions, but sometimes postpones till students are more advanced. May evade when very busy or very tired.
_	Usually tries to satisfy student curiosity. Sometimes loses patience with persistent "Why's?"
_	Answers simple questions when in good humor and not preoccup but seldom goes byond minimum needed to shut student up.
_	Explanations are grudging and reluctant where any mental effort is required. Teacher often evades the issue.
_	Thwarts student curiosity. Actively discourages questions, "Too busy," "Just because," etc.
Score Tolerance Range	A
Rater's r	remarks: (continue on back of sheet)

Teacher_	Date of Observation
Grade	School Room City
	SOLICITOUS FOR STUDENT WELFARE (Anxious - Nonchalant)
well-beir of propor markedly	teacher's tendency to display over-concern for the student ng. Is the teacher readily excited to overt anxiety all out tion to the importance of the situation? Or is the teacher calm, cool, and nonchalant, even in the face of critical the students?
it. Incl dents, in	the teacher's net behavior, regardless of the motives behind lude only behavior which is a potential stimulus to the stuppinging more or less directly upon their awareness. Include for both physical and mental comfort.
Ī -	Given to severe, irrational anxiety on largely imaginary grounds. Readily panicked.
_	Chronic anxious tension over students, but more "jittery" than panicky. Given to "hunting for trouble."
-	Shows considerable anxiety when students are in any danger, but seldom loses rational control.
-	Somewhat solicitous, but minimizes hazards. Frequently shows concern, but without losing perspective.
-	Rarely worried or solicitous beyond needs of situation and responsibility as a teacher. Attitude rather indifferent.
	Monchalant and seemingly unconcerned even in major matters. So unsolicitous as to appear neglectful or irresponsible.
Score Tolerance Range	
Rater's I	remarks: (continue on back of sheet)

Teacher_	Date of Observation
Grade	SchoolRoomCity
	ACCEPTANCE OF STUDENTS (Devotion - Rejection)
identific Is he will and less some crea	teacher's acceptance of the students with respect to his cation with students and consideration of them as individuals lling to accept students as persons who happen to be younger trained than himself? Or does he view students as troubleatures who must be endured for the sake of their possibilities adults or because it is part of the job?
as accept not the	all evidence which in any way may impinge upon the students tance - rejection, however subtle, vague, or indirect. It is teacher's true feeling but his <u>attitude</u> as a functioning unit tudents' environment which we are rating.
T -	Teacher's behavior is wholly accepting in the sense that he treats students as if they were personal friends.
-	Teacher completely accepts students in the classroom situation but does not lose sight of the fact that he is their teacher.
-	In general, the teacher identifies with students and acts as part of the "in-group" but falls back upon his role as teach when the situation shows signs of getting out of hand.
-	Teacher accepts students as <u>students</u> but never considers his role toward them as being other than that of teacher and mai tains his dignity and authority in that position.
-	Teacher's attitude is definitely that of aloofness and superiority, rejecting students as inferior beings.
_	Teacher considers himself as being upon a pedestal and is strongly rejecting towards the "little monsters" whom he must teach.
Score Tolerance Range	
Rater's r	remarks: (continue on back of sheet)

Teacher		Date of	Observation
Grade	_Scmol	Room_	_Ci ty
	(Emotional emotional ty of the tea	cher's	
	tly cool and objective?		Bury emo droimar, or ro ro
to bring a emotion. tion of potions of a predomina	it out if it is there. Combine direct express plicy due to emotion. rage, panic, disgust, m	Combirdon of "Emotic irth, on may	sufficient cause for emotion he frequency and intensity of emotion and irrational distortion," as used, includes manifestal or sympathy, where feeling be considered to be positive.
	Teacher constantly gireaction to student b	ving ve ehavior	nt to unbridled emotion in
	Controlled largely by dealing with students	emotio	n rather than by reason in
-	Expression of emotion disorganized. Emotio seldom much disorgani	n freel	y inhibited, but policy readily y expressed, but actual policy
	Usually maintains cal even in face of stron		ctive behavior toward students
_	Never shows any sign students, either dire	of emot culy or	cional disorganization toward in policy.
Score Tolerance Range		r	Date of rating
Rater's i	remarks: (continue	on bac	k of sheet)

Teacher_	Date of Observation
Grade	School Room City
	UNDERSTANDING (Keen - Obtuse)
viewpoints and intel a failure	teacher's understanding of the students' abilities, needs, s, etc. Does the teacher's behavior indicate a thorough ligant understanding of the students; or does it indicate to appreciate the capacities and limitations of the students ability to meet the students on their own level?
	t be called "functional teacher intelligence." It includes foresight, student-empathy.
_	Teacher always sees subtleties of student motivation; shows accurate appreciation of student interests and level of maturity.
-	Usually shows thorough understanding of students. Occasion ally fails to see the point.
-	Has good grasp of everyday situations, but often misses the subtle angles.
-	Usually shows common sense where the point is obvious, but incapable of keen analysis.
_	Entirely lacking subtlety; often misses the obvious
_	Completely fails to see the student viewpoint, capacities, limitations. Expects entirely too much or too little. Fails to meet students on students own ground.
Score Tolerance Range	
Rater's r	emarks: (Continue on back of sheet)

Teacher_	Date of Observation
Grade	SchoolCity
	RAPPORT BETWEEN TEACHER AND STUDENTS (Close rapport - Isolation)
and stude distant	closeness of the psychological relationship between teacher ents. Do they show a high degree of rapport; or are they and out of touch with each other "spiritually," tending to ited in each other's presence?
and shart it indepe	iable includes mutual understanding, sympathy, confidence, ing of aspirations, intimate thoughts, and feeling. Rate endently of the dominance-submission relationship. Do not with antagonism-harmony.
_	Complete sharing of intimate thoughts and feelings. Implicit trust and confidence in each other.
-	Close mutual understanding and sympathy, but with occasiona temporary lapses.
_	Moderate degree of rapport in most situations; achieve close confidence in a good many respects, but fails in other
-	Do not get along together any too well, but occasionally a close relationship is temporarily established.
-	Perfunctory relationship, superficial understanding, interest slight or forced. Tend to be inhibited in each other's presence.
_	Spiritually isolated. No sharing of confidence and aspirations. No active interest in each other.
Score_ Tolerance Range	
Ratorie r	numarks: (continue on back of sheet)

Teacher		Date of	Observ	a tion
Grade	Scho•1	Room_	01	ty
		CCTIONATENES onate - Hos	_	
Does the	teacher manifest a v	arm, persor	al aff	the students personally. ection to the students; definite antagonism?
which affe		ly indirect	ly as	r than the deeper one through care, solicitude
	Passionate, consum:	ing, intense	e, arde	ent, uncontrolled.
-	Affectionate, warm	, fondling,	loving	g expressive.
	Temperate, fond, a	ttached, for	rgivin	g, kind.
-	Objective, inhibite	ed, neutral	, matte	or-of-fact.
-	Cool, aloof, dista	nt, forbidd:	ing.	
_	Avoiding, annoyed,	irritated,	the bother	red.
_	Hostile, rejecting	, disliking	, blam:	lng, icy.
Score Tolerance Range				Date of rating

Teacher_	Date of Observation
Grade	SchoolRoomCity
	INTRA-GROUP ACTIVITY (Student-student - Teacher-student interaction)
s tuden ts	classroom situation in terms of amount of interaction among. Is all activity carried on directly between teacher and Or is there much inter-student discussion?
Include and unst	both inter-student activity structured and approved by teache ructured casual inter-student behavior.
_	All classroom activity is between teacher and student. Students never interact except through the media of the teacher.
-	Teacher permits occasional comments by one student to another student but maintains himself as the major focal point of all student discussion.
-	Student interaction is frequent with activity closely structured and guided by teacher.
-	Most discussion and activity conducted by students with occasional interference and guidance by teacher.
-	Teacher contributes to classroom activity to about the same extent as any one student in the group.
_	Teacher sits back and allows all classroom activity to be conducted by students, rarely adding any comments to the discussion.
Score Tolerance Range	
Rater's	remarks: (continue on back of sheet)

Teacher	Date of Observation
Grade	SchoolhoomCity
	GROUP ACTION (Group identity - Self assertion)
classroom group, su other mem	degree to which students work together in discussion and activity. Do students work on a problem as an integrated prorting and contributing to the assertions and ideas of bers of the group? Or do students tend to be more self-expressing individuality in contrast to activities of roup?
ideas to	n of individuality may be either constructive, adding new the discussion or may serve as a tearing apart of other. It may be approved of or disapproved of by the teacher.
	Students always work as a body, with individual contribution serving only to support and augment the activity of other members of the group.
_	Group feeling predominates with occasional minor contradic tory comments.
_	Cooperation and individual assertion belance each other with group feeling and individual assertiveness about equal in the classroom behavior.
_	A nucleus of group feeling is maintained but most classroom discussion is of a self-assertive nature.
_	All student activity is self-assertive, with no consideration of the group, except as the group provides situations in which the individuals can express themselves,
Score	
Patonic n	omarks. (continue on back of sheat)

Teacher_	Date of Observation			
Grade	SchoolRoomCity			
ACCELERATION (Push - Inertia)				
in the pu to progre activity material	extent to which the teacher attempts to force rapid progress spils. Is he constantly forcing students to work more rapidless to more advanced material? Or does he allow classroom to move along at its own rate, going on to more advanced only when it seems that students know the currently covered the point of boredom?			
Consider pressure exerted on students to do homework, and amount of homework, pressure to go on to next topic even though students appear confused and have unanswered questions, and pressure to keep working no matter what alternative activity is suggested. Disregard teacher motivation. Thus a non-accelerative teacher may be motivated by personal laziness and non-preparation or by a desire to promote student development in non-academic ways.				
_	Teacher is constantly pushing students to work faster, to learn more, to concentrate; he is demanding and a slave-driver.			
-	Teacher attempts to keep class constantly moving forward at a rate slightly beyond student ability, and keeps after students fairly regularly about keeping up to date.			
-	Teacher expects students to progress in activity and generally keeps them working on activity at hand, but is willing to slow down or digress from topic when it seems to be to student advantage.			
-	Classroom progress moves slowly, teacher is willing to go no faster in the coverage of material than the slowest of his students.			
	Almost the only progress made in class is by student incentive. It seems to matter little to the teacher if class shows any progress at all.			
ScoreTolerance				

Rater's remarks: (continue on back of sheet)

TeacherDate of Observation				
Grade School Room City				
VALIDITY (Observer changes situation - Observer ignored)				
Rate the extent to which you feel that your presence alters the usual classroom activity. Does there appear to be a marked change in behavior and attitudes of teacher and students upon your entrance into the classroom? Or do you have the impression that your presence has no influence on the classroom situation:				
Conditions to be noted include marked awareness of your presence by teacher and students, increase or decrease in activity, change in class plans, etc.				
There appears to be a complete change in classroom situation - due to your presence with alteration of class activity, change in teacher and student activities.				
The classroom activity is definitely modified in consideration - of your presence.				
There is some change in classroom activity and atmosphere - due to your presence, but this change is slight and does not significantly alter validity of observation.				
Teacher and students are aware of your presence but in no way alter behavior and activity accordingly.				
- Teacher and students appear to be oblivious to your presence.				
core Rater Date of rating olerance ange				
Rater's remarks: (continue on back of sheet)				

Teache	rDate of	Date of Observation		
Grade_	School	RoomCity		
	TEACHER APPROACH TO ST (Group oriented - Individua)			
homoge a whol he att if eac	the extent to which teacher conceives neous group or as individuals. Does e, the members of which are relative empt to adjust his behavior toward h individual were a separate case wides and problems of his own?	s he conceive of his class as ely undifferentiated? Or does the indivioual students, as		
spent tions vidual fulfil	er time spent in instruction directed in individual instruction, willingnes not of pertinence to entire group, experience into the classification and attempts to encourage actions but not by group.	ess to answer individual ques- emphasis on bringing indi- room, emphasis on individual		
Ī-	Teacher conceives of class as comp students to be treated as a body,	pletely homegenous group of ignoring obvious differences.		
-	Marked differences amongst student attention, but the approach is dec			
-	Teacher approaches class as group partures from group activity. Teavidualization.	but welcomes individual de- cher does not initiate indi-		
-	Individual interests and activities are brought into the group activiting same activity but each student the activity in individual ways.	ty. Thus group may be perform- t is encouraged to approach		
-	Major emphasis is placed upon inditeacher falling back on mass approach seems highly unfeasible.			
] -	Teacher behaves as if he were a prestudent, having each one working ounrelated activities.			
Score_	Ra ter	Date of rating		
Tolera	nce			
Range_				

Rater's remarks: (continue on back of sheet)