

PNAS-921

40332

TRAINING INSTITUTION PROFILE REPORT
ACADEMIC PARTICIPANTS AT
COLORADO STATE UNIVERSITY
(GREELEY)

June 1972

The American University
DEVELOPMENT EDUCATION AND TRAINING RESEARCH INSTITUTE
2139 Wisconsin Avenue, N.W.
Washington, D.C. 20007

PREFACE

The Development Education and Training Research Institute¹ (DETRI) Training Institution Profile Reports are designed to provide you with reliable information about training programs as they are viewed and evaluated by A.I.D. participants. The reports were prepared for those U.S. institutions attended by 30 or more A.I.D. Academic participants who later received exit interviews at DETRI. The exit interview period was July 17, 1967, through February 29, 1972. These interviews cover participants whose programs ended between these dates and who departed through Washington, D.C.

Each report is divided into three sections: 1. Narrative, 2. Statistics, and 3. Noteworthy Comparisons. The first section presents the views of a typical participant at your institution and of other participants who hold different opinions. When applicable, quotes from participants will be used so that you can "listen" to the participants speak for themselves.

The second section contains tabular and graphic presentations of items from the DETRI exit interview questionnaire. The items were chosen by A.I.D.'s Office of International Training to represent important aspects of participants' training experiences. The participants' responses to these items are compared with the responses of A.I.D. Academic participants enrolled in all training institutions.

1. See Appendix II.

When responses given by the participants at your training institution differ significantly² from those of all Academic participants, the differences will be described in Section 3, Noteworthy Comparisons. Differences which are not statistically significant will not be mentioned in this section.

The reader interested primarily in statistical information may want to go directly to the sections on statistics and noteworthy comparisons. As statistics alone have a tendency to make one lose awareness of the individual, the narrative section has been personalized, presenting a non-statistical description of the information given by the participants interviewed. The reader looking only at this section should keep in mind that the narrative is an oversimplification of the data in this report.

There are two appendices to the report. Appendix I contains information on the procedures used to collect the data for these Profile Reports and on the reliability, validity, and comprehensiveness of that data. Appendix II, The Glossary, defines Academic and Special participants, explains the scaling technique, and provides some information about DETRI.

These reports were prepared by Paul R. Kimmel, William C. Ockey, Herman J. Sander, Robert McCarthy, and Ann Fenderson of The American University, DETRI, under contract AID/csd-2865. The authors were ably assisted by Dorothy Daun, Pamela Griffith, Pamela Nash, and Richard Seabrook.

2. "Significantly" means statistically significant. The test used was one of the "5 per cent level of confidence." This means that the differences between the data could have occurred by chance alone less than 5 in 100 times. It is unlikely that such obtained differences are a result of chance alone. It is probable (95 out of 100 times) that the differences obtained are attributable to causal factors--although the causes may not be known.

CONTENTS

<u>Section</u>	<u>Page</u>
Preface	i
1. Narrative	1
2. Statistics	5
3. Noteworthy Comparisons	22
Appendix I--DETRI Procedures and Reliability of Data	A-1
Appendix II--Glossary	A-2
Appendix III--References	A-4

SECTION 1

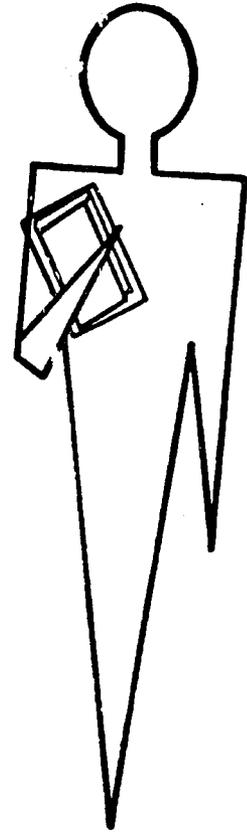
NARRATIVE

You are about to meet "Aidre," our hypothetical A.I.D. Academic participant, in training at Colorado State University at Greeley. Aidre's opinions and evaluations on any given issue are those of many of the participants at this University on that particular issue. When there are important differences between Aidre as the "typical" participant and his fellow participants, they will be mentioned. We have included some quotations taken from the participants' own accounts of their experiences at Colorado State.

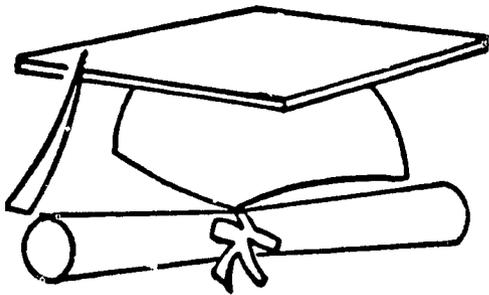
Aidre represents 43 A.I.D. participants who completed their training programs at Colorado State University at Greeley and answered the DETRI questionnaire between July 1967 and February 1972. He came from the Far East and was a graduate student who obtained a Master's degree in education at Colorado State.

When Aidre discussed plans for his training in his home country, he understood that he would be receiving his academic education at Colorado State University at Greeley and that his program included a plan for him to obtain a degree. He was gratified that these plans were not changed when final arrangements were made for his program.

Aidre did not attend a formal orientation program for foreign students when he arrived at Colorado State, although many of his fellow participants did attend such a program.



1



All of the participants at Colorado State said they had Faculty Advisors who helped them arrange their course schedules. They commented that their Advisors were helpful and cooperative, and especially understanding of foreign students with language problems. Aidre rated the help of his Faculty Advisor as extremely useful. (Participants were provided 7-point scales on which to make ratings of usefulness and satisfaction. These are described in Appendix II).

Given a list of academic difficulties A.I.D. participants sometimes have with their training, Aidre reported that he experienced the most difficulty with too much assigned reading and with too many quizzes. A number of his fellow participants reported problems stemming from courses whose subject matter was too specific or too abstract. Aidre had very little difficulty becoming accustomed to the U.S. grading system. He found his courses at Colorado to be related to his major field, and little duplication of subject matter in different courses. He also felt that his courses were neither too advanced nor too simple.

Aidre found that although U.S. teaching methods were different from those he was used to in his country, they were quite effective. He was particularly impressed that classroom discussions at Colorado State were "orderly and conducted with courtesy." He felt that ample time was devoted to lectures, lectures and small discussion groups, laboratory work and individual research. He reported, however, that he would have liked more field trips, such as visits to classrooms, in connection with his courses. "You cannot learn to teach out of a book." He also felt more time should be given to seminars, although many of his fellow participants disagreed.

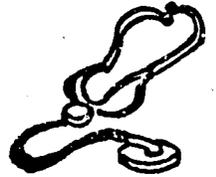
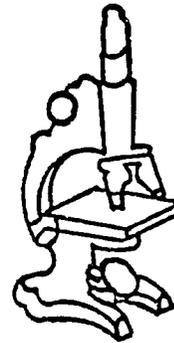
Aidre had some courses in which instruments and equipment were used. These were not so different from those in his country that Aidre expects to have any difficulty in using his training for this reason. Some of his fellow participants who used various instruments and equipment in their classes here, however, reported that these were not similar to what is available at home.

In rating the usefulness of his courses at Colorado State to the objectives of his program, Aidre gave a rating of "2" on the 7-point scale. He also rated at "2" the suitability of his technical training to his home country conditions. He commented that U.S. teaching methods "are different from ours, but very useful". He thought he would be able to adapt at least some of these to the situation in his country.

Another participant remarked that, "everything I learned can be used in my office."

Aidre received help from a Foreign Student Advisor while he was at Colorado State, and found him always available. A fellow participant reported, however, that this Advisor was less available than his Faculty Advisor. The latter was "there any time we needed him"; but the Foreign Student Advisor, "in my opinion, has too much work. It was hard to find him." There was no "typical" response when the participants were asked to rate the usefulness of the help they received from the Foreign Student Advisor. Ratings on this scale were fairly evenly distributed among "1," "2," and "3."

In general, Aidre was quite satisfied with his experience at



Colorado State. He rated his total technical training at "2" on the 7-point scale. He was pleased with the good training in his field, the understanding assistance of his Faculty Advisor, the helpfulness of the American students, and the friendliness of the townspeople in Greeley. He enjoyed participating in the activities arranged by the Cosmopolitan Club, as well as those of an association of his fellow countrymen. In summarizing his experience at Colorado State, Aibre said not only was "the atmosphere in the classroom excellent," but "there is understanding for foreign students at the University and there is no discrimination against them."

SECTION 2

STATISTICS

5

Table 1

Q. What regions of the world were the participants from?

REGION	PARTICIPANTS AT COLORADO STATE (GREELEY) % of 43	ALL ACADEMIC PARTICIPANTS % of 3378
Near East- South Asia	27.9	20.3
Far East	58.2	32.0
Latin America	2.3	16.0
Africa	11.6	31.7

Table 2

Q. How much education did the participants have prior to beginning their A.I.D. training programs? (Item 169)

YEARS OF EDUCATION	PARTICIPANTS AT COLORADO STATE (GREELEY) % of 43	ALL ACADEMIC PARTICIPANTS % of 3360
7-11	2.3	4.2
12	7.0	7.5
13-15	14.0	26.6
16	30.2	23.7
17-18	32.6	25.9
19 and over	13.9	12.1

Table 3

Q. What type of students were the participants?
(Item 60)

TYPE OF STUDENT	PARTICIPANTS AT COLORADO STATE (GREELEY) %* of 43	ALL ACADEMIC PARTICIPANTS %* of 3387
Graduate student	95.4	69.7
Undergraduate student	4.7	23.7
Non-degree student	2.3	11.8

* Percentages add to more than 100% because participants were allowed more than one answer.

Table 4

Q. Did the participants' training programs include a plan for them to earn an academic degree in the United States? (Item 61)

DEGREE PLANNED	PARTICIPANTS AT COLORADO STATE (GREELEY) % of 43	ALL ACADEMIC PARTICIPANTS % of 3343
No	11.6	17.2
Yes	88.4	82.8

Table 5

Q. What academic degrees did the participants earn? (Items 62 and 63)

DEGREE EARNED	PARTICIPANTS AT COLORADO STATE (GREELEY) % of 35	ALL ACADEMIC PARTICIPANTS %* of 3299
None	5.7	17.0
Associate	0.0	1.1
Bachelor's	5.7	22.2
Master's	82.9	58.8
Doctor's	5.7	6.2

* Percentages add to more than 100% because participants were allowed more than one answer.

Table 6

Q. Were the participants in disagreement with or unclear about the training institution selected for them in the proposed plan for their training program? (Item 27d)

DISAGREED WITH OR UNCLEAR ABOUT PROPOSED TRAINING INSTITUTION	PARTICIPANTS AT COLORADO STATE (GREELEY) % of 36	ALL ACADEMIC PARTICIPANTS % of 2494
No	88.9	92.5
Yes	11.1	7.5

Table 7

Q. Were the participants in disagreement with or unclear about the training institution selected for them in the final plan for their training program? (Item 38b)

DISAGREED WITH OR UNCLEAR ABOUT FINAL TRAINING INSTITUTION	PARTICIPANTS AT COLORADO STATE (GREELEY) % of 36	ALL ACADEMIC PARTICIPANTS % of 2495
No	94.4	93.1
Yes	5.6	6.9

Table 8

Q. Did the participants have a formal orientation program for foreign students at their academic institution? (Item 47)

ATTENDED ORIENTATION	PARTICIPANTS AT COLORADO STATE (GREELEY) % of 42	ALL ACADEMIC PARTICIPANTS % of 3376
No	52.4	46.7
Yes	47.6	53.3

Table 9

Q. What difficulties did the participants have with their academic training? (Item 68)

DIFFICULTY	COLORADO STATE (GREELEY) 45 PARTICIPANTS			3362 ACADEMIC PARTICIPANTS		
	None %*	Some %*	Much %*	None %*	Some %*	Much %*
Too much assigned reading	25.6	58.1	16.3	41.0	41.2	17.8
Too many quizzes**	25.0	66.7	8.3	49.3	37.1	13.6
Too many courses unrelated to major field	81.4	14.0	4.6	71.0	20.4	8.6
Testing procedures unfamiliar**	69.5	22.2	8.3	67.2	26.2	6.6
Grading system unfamiliar**	83.3	13.9	2.8	73.6	19.9	6.5
Too little discussion	62.8	34.9	2.3	72.7	22.6	4.7
Too little lecturing	81.4	18.6	0.0	81.5	15.1	3.4
Too much duplication of subject matter in different courses	81.4	14.0	4.6	70.3	25.5	4.2
Subject matter too abstract	53.5	46.5	0.0	66.5	29.8	3.7
Subject matter too specific	51.1	47.9	7.0	69.2	25.6	5.2
Courses too advanced	65.1	32.6	2.3	68.6	28.5	2.9
Courses too simple	74.4	23.3	2.3	77.1	20.7	2.2

* Percentages add to 100% by rows in this table because each participant had to respond to each alternative.

** The total number of participants responding to this item was less than the total shown in the table, due to the addition of the item in a questionnaire revision during the reporting period.

Table 10

Q. What recommendations did the participants have about the division of their academic training time among various educational methods? (Item 69)

EDUCATIONAL METHOD	COLORADO STATE (GREELEY) 40 PARTICIPANTS			3219 ACADEMIC PARTICIPANTS		
	About Right Amount	Less Needed	More Needed	About Right Amount	Less Needed	More Needed
	%*	%*	%*	%*	%*	%*
Field Trips related to courses	22.5	5.0	72.5	40.3	6.1	53.6
Individual research	60.0	12.5	27.5	57.2	6.0	36.8
Laboratory work	51.3	5.1	43.6	58.0	9.7	32.3
Lectures and small discussion groups **	63.7	9.1	27.2	64.8	5.9	29.3
Seminars	47.5	5.0	47.5	61.9	9.1	29.0
Lectures (only)	65.0	25.0	10.0	75.1	12.1	12.8

* Percentages add to 100% by rows in this table because each participant had to respond to each alternative.

** The total number of participants responding to this item was less than the total shown in the table, due to the addition of the item in a questionnaire revision during the reporting period.

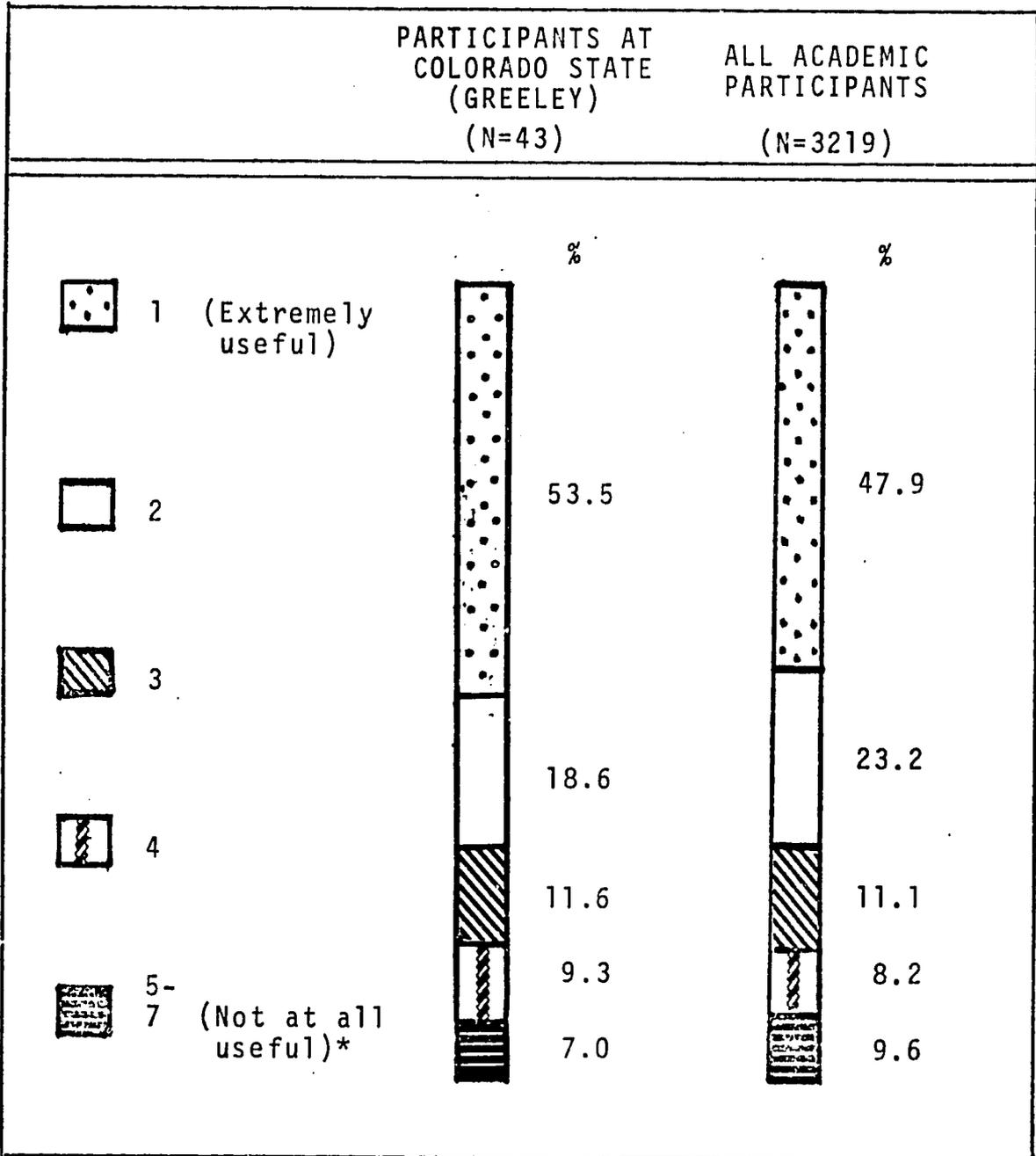
Table 11

Q. Did the participants have a Faculty Advisor who helped them arrange their course schedule at the institution where they had most of their academic training? (Item 64)

HELPED BY FACULTY ADVISOR	PARTICIPANTS AT COLORADO STATE (GREELEY) % of 43	ALL ACADEMIC PARTICIPANTS % of 3374
No	0.0	3.5
Yes	100.0	96.5

Table 12

Q. How useful did the participants find the help provided by their Faculty Advisors? (Item 65)



* Data for ratings of 5, 6, and 7 are grouped because of the small number of cases. Only a rating of 7, however, indicates "not at all useful."

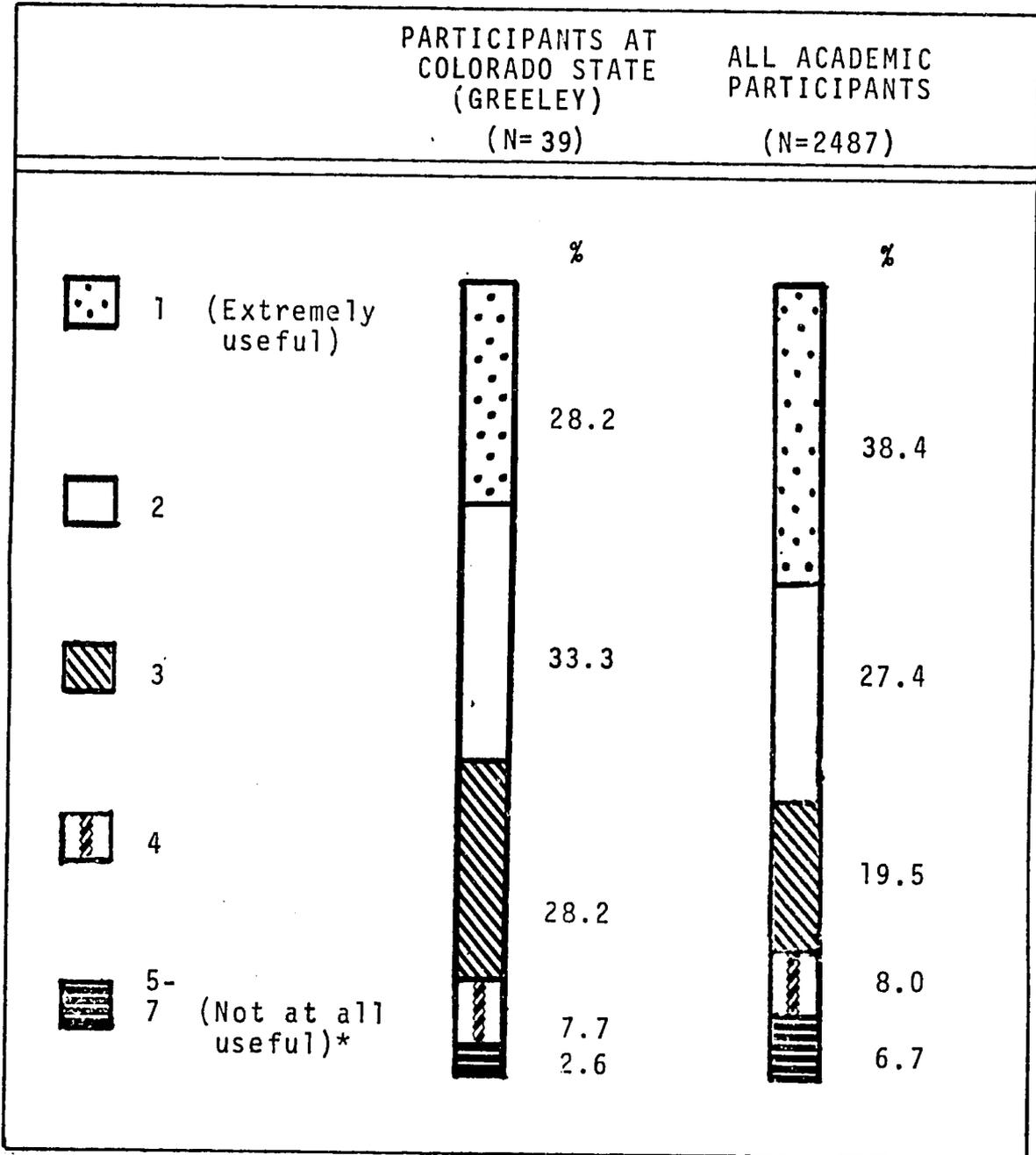
Table 13

Q. Did the participants receive help from a Foreign Student Advisor at their training institution? (Item 136)

HELPED BY FOREIGN STUDENT ADVISOR	PARTICIPANTS AT COLORADO STATE (GREELEY) % of 43	ALL ACADEMIC PARTICIPANTS % of 3377
No	9.3	24.2
Yes	90.7	75.8
IF YES:		
Q. How often was the Foreign Student Advisor available? (Item 137)		
	<u>% of 39</u>	<u>% of 2556</u>
Always	48.7	56.8
Usually	35.9	29.6
Sometimes	15.4	13.6

Table 14

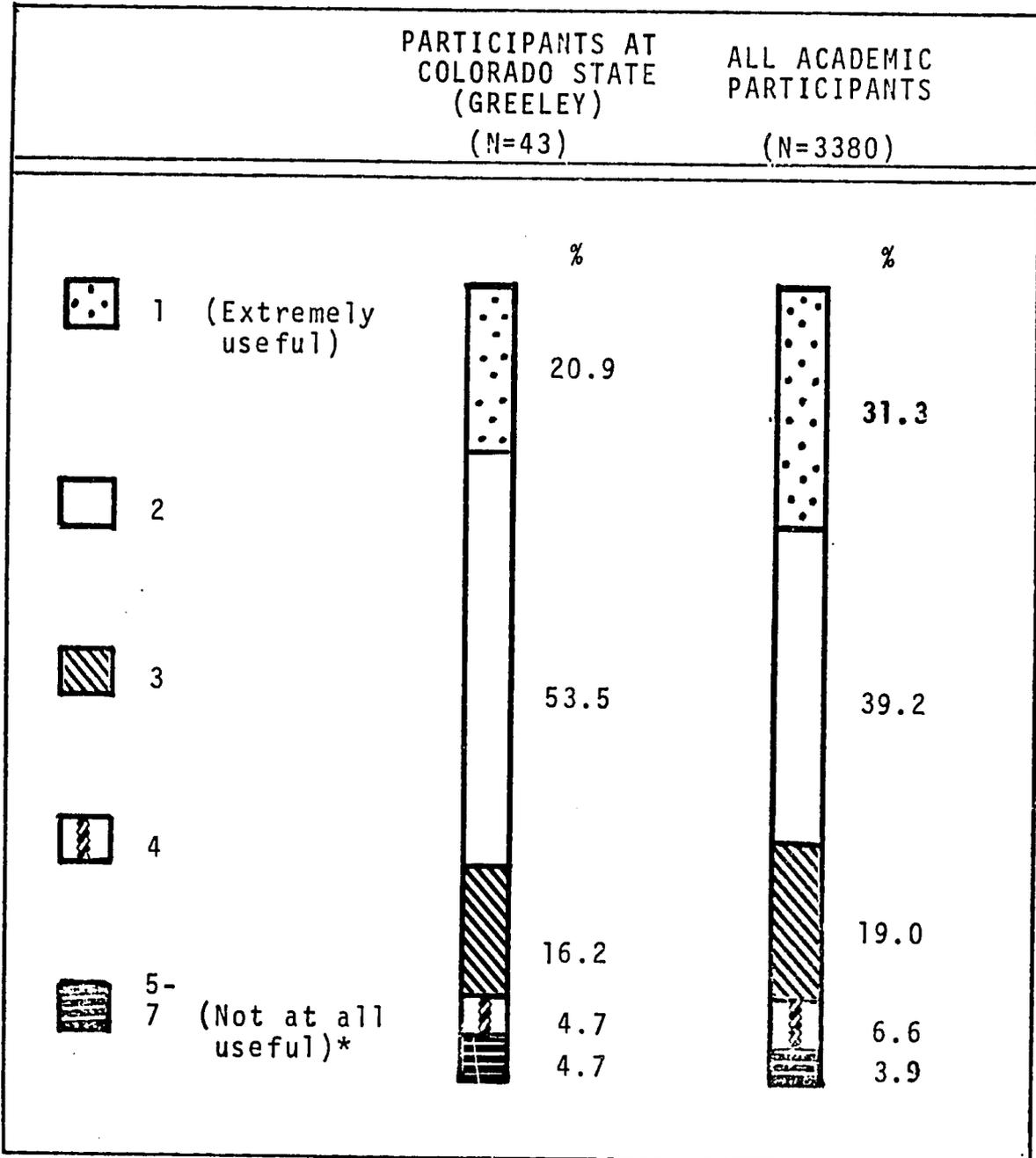
Q. How useful did the participants find the help they received from a Foreign Student Advisor? (Item 138)



* Data for ratings of 5, 6, and 7 are grouped because of the small number of cases. Only a rating of 7, however, indicates "not at all useful."

Table 15

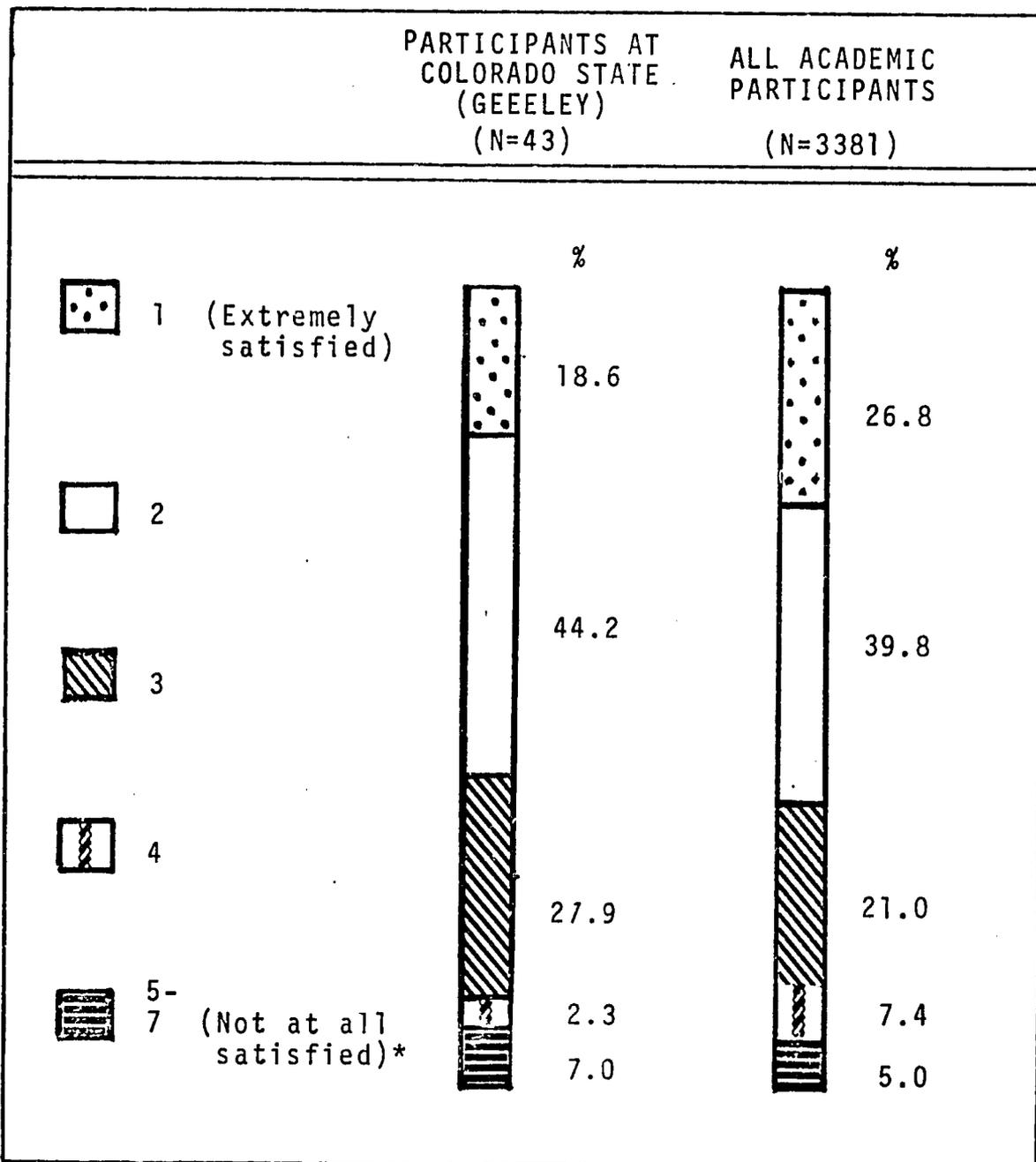
Q. How useful did the participants find their courses?
(Item 70)



* Data for ratings of 5, 6, and 7 are grouped because of the small number of cases. Only a rating of 7, however, indicates "not at all useful."

Table 16

Q. How satisfied were the participants with their total technical training? (Item 84)



* Data for ratings of 5, 6, and 7 are grouped because of the small number of cases. Only a rating of 7, however, indicates "not at all satisfied."

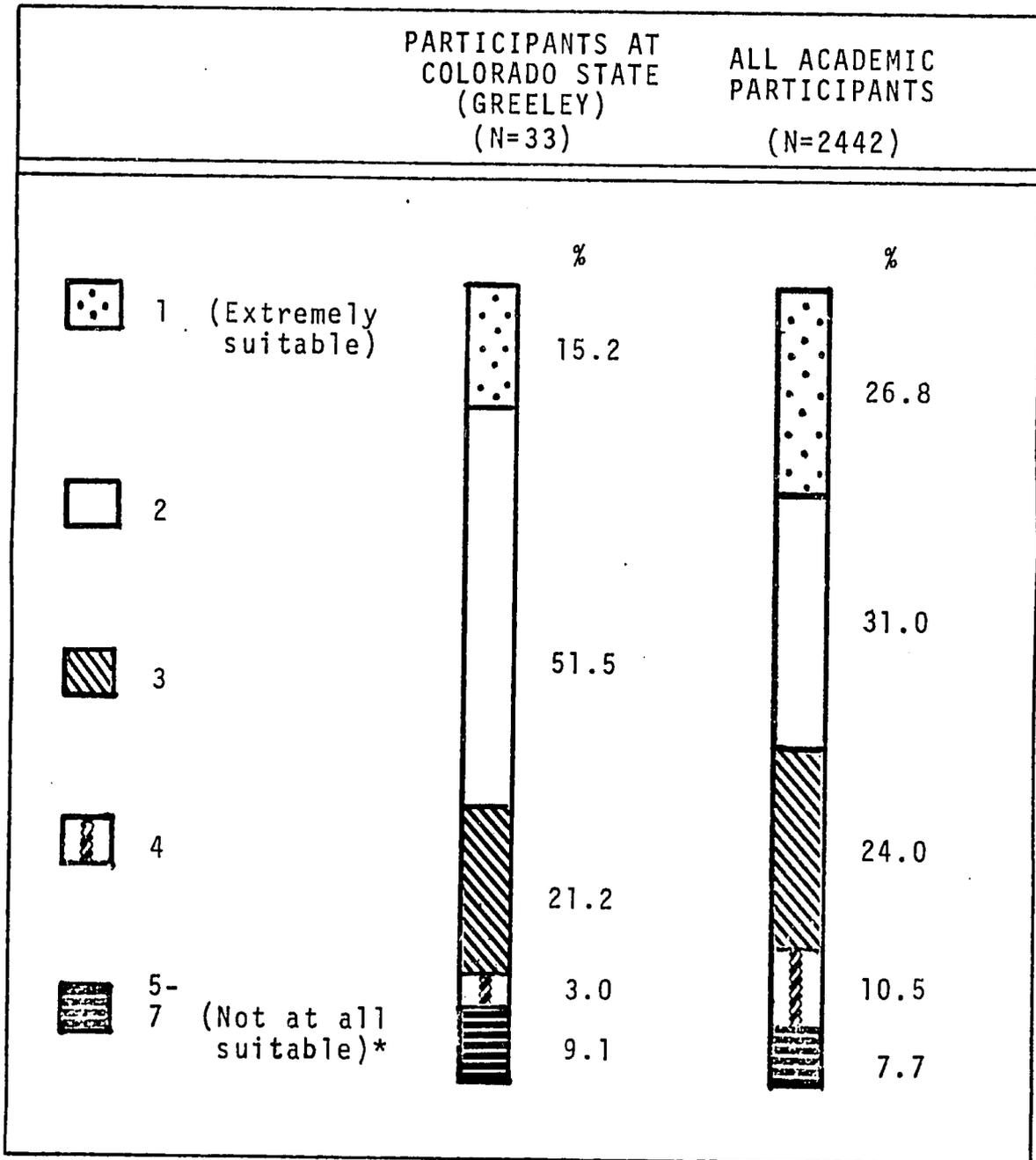
Table 17

Q. Did the participants have courses at their training institutions where instruments and equipment were used? (Item 66)

USED INSTRUMENTS AND EQUIPMENT	PARTICIPANTS AT COLORADO STATE (GREELEY) % of 43	ALL ACADEMIC PARTICIPANTS % of 3375
No	25.6	34.0
Yes	74.4	66.0
IF YES:		
Q. Were such instruments and equipment similar to those now or soon to be available in the participants' home countries? (Item 67)		
	<u>% of 32</u>	<u>% of 2208</u>
No	37.5	33.9
Yes	62.5	66.1

Table 18

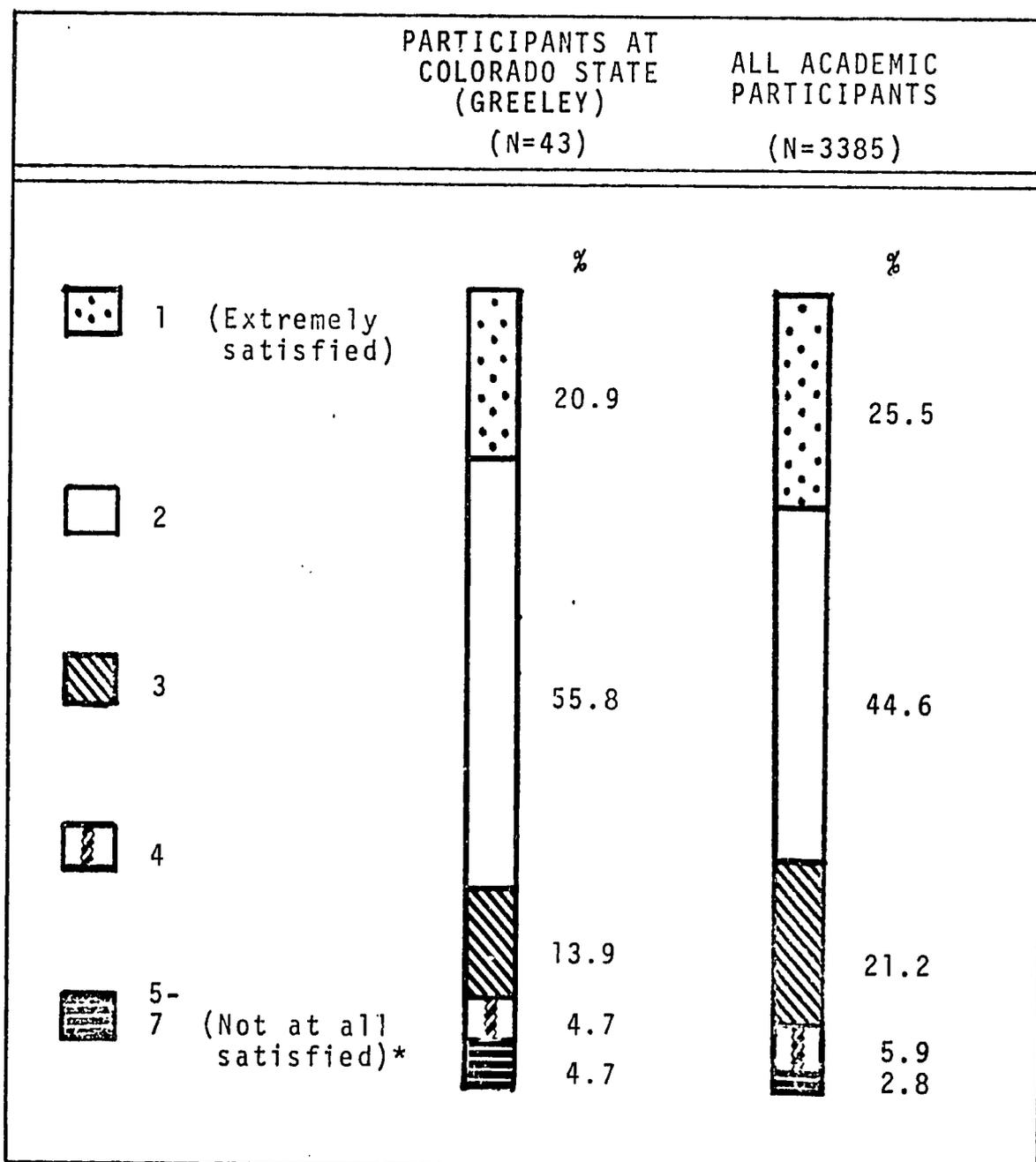
Q. How did the participants assess the suitability of their technical training programs to their home country conditions? (Item 83b)



* Data for ratings of 5, 6, and 7 are grouped because of the small number of cases. Only a rating of 7, however, indicates "not at all suitable."

Table 19

Q. How satisfied were the participants with their total experience as A.I.D. participants? (Item 162)



* Data for ratings of 5, 6, and 7 are grouped because of the small number of cases. Only a rating of 7, however, indicates "not at all satisfied."

SECTION 3

NOTEWORTHY COMPARISONS

The purpose of this section of the report is to present important differences between the experiences of participants at Colorado State University at Greeley and those of participants at all academic institutions for which we have data. The tables and graphs in the preceding section present the experiences and the percentages. Here we will note only those items on which the Colorado State's participants differ significantly, either positively or negatively, from all others. It is not possible to give a statistical explanation for these differences, as the size and composition of the groups of participants vary greatly among these training institutions.

A smaller percentage of the participants at Colorado State earned Bachelor's degrees than did the participants at all Academic institutions (Table 5), as Colorado State had a lower proportion of participants in undergraduate programs than did all the other academic institutions (Table 3).

Proportionally more of Colorado State's participants reported having difficulties with their courses being too specific and too abstract than did participants at all the other academic training institutions. Twenty-four percent more of the participants at Colorado State than of those at all academic institutions had difficulties with too many quizzes (Table 9).

With regard to educational methods used in their courses, larger percentages of participants at Colorado State University than of all other Academic participants reported that more time was devoted to lectures and less to seminars than they would have liked (Table 10).

A larger proportion of participants at Colorado State received

help from a Foreign Student Advisor than was true of participants at all other academic institutions (Table 13).

APPENDIX I

DETRI PROCEDURES AND RELIABILITY OF DATA

The data in these profile reports were collected in the same manner as the data presented in the Annual Reports from DETRI to A.I.D. (May 1969 and July 1970). Participants fill out a printed standardized, structured questionnaire under the supervision of a person trained in its administration. They also receive an oral, unstructured interview conducted by a cultural communication specialist on a private, anonymous basis. More detailed information on the instruments and procedures used to collect the exit interview data are included in the Final Report on A.I.D. Participant Training Exit-Interview Development Study, December 1967, and the Guide for Users of the DETRI Exit Interview, November 1970.

There is ample evidence that these data are both reliable and valid for the participants interviewed. Tests of (1) the internal consistency of participant responses to the questionnaire, (2) interviewers' estimates of the validity of participants' responses, and (3) comparisons with results of other studies show the data to be technically acceptable. (For more detailed information see the First Annual Report, May 1969, pp iv-v.)

It is vital that the reader remember that the data presented in these reports come only from those participants who passed through Washington, D.C., on their return to their home countries, and who appeared at the DETRI exit interview. Therefore, the information in these reports does not represent all the A.I.D. participant trainees who departed from the United States. The data available in all DETRI reports does, however, represent the most systematically gathered and most dependable data on the largest group of foreign trainees ever studied.

APPENDIX II

GLOSSARY

Academic program participant: a participant who had a training program for one or more academic terms in regular curriculum courses in an accredited institution which grants an academic degree, whether or not a degree is an objective and whether or not courses are audited or taken for credit.

Special program participant: a participant whose training included one or more of the following types of training: (1) courses, seminars, or other organized programs in a specialized field which may result in the award of a certificate or diploma; (2) intensive briefings and instruction on a specific job or group of related jobs with an opportunity for close observation of the work activities, actual work experience, or both; (3) brief visits to offices, businesses, factories, government agencies, or other organizations to observe work processes and activities.

One to Seven Scale Graphs: these graphs are based on a scale where one (the top category) is designated as "Extremely useful (or satisfied), could not have been better," and seven (the bottom category) is designated as "Not at all useful (or satisfied), could not have been worse." Only the two extremes are given written alternatives. Numbers two through six have no written alternatives, which allows the participant to make up his own definition for these scale points. (This type of scaling is a modification of Cantril and Free's Self Anchoring Scale.)

This form of evaluation scale is being used for two reasons: (1) it reduces the amount and the ambiguity or arbitrariness of the written alternatives that appear on most rating scales, and (2) it helps to alleviate the ingratiation factor of giving very favorable responses to evaluative items. Since the end categories are so extreme, they are less often used and the participant is freer to utilize the remainder of the scale, which he defines.

Development Education and Training Research Institute (DETRI):

established by The American University on 1 July 1966. Its purpose--applied social science research--helps to fulfill the University's commitment to community life through public service contributions which complement and are compatible with the University's major instructional function--graduate and undergraduate. Within the University, DETRI is attached to the Office of the Dean for Graduate Studies and Research. It is located off-campus.

APPENDIX III

REFERENCES

A.I.D. Participant Training Exit Interview Development Study. Washington, D.C., Office of International Training, Agency for International Development, ARC* Catalog No. 374.013, A 512c, U.S. Department of State, December 1967.

A narrative report which discusses the purpose, scope, and background rationale for the Exit Interview; the requirements for the Exit Interview program; the plan for developing instruments and procedures; technical considerations in constructing instruments, gathering data, and recording results; and reports from DETRI to AID/OIT. (5 Appendices) (Out of print)

Participant Assessment of A.I.D. Training Programs: A Descriptive Statistical Report. Washington, D.C., Office of International Training, Agency for International Development, ARC Catalog No. 374.013, A 512, U.S. Department of State, May 1968.

Descriptive findings from Exit Interviews conducted with 859 Academic and Special participants and 342 Observation Training Team members between July 1967 and February 1968. An overview of these participants' perceptions of, and reactions to, their training programs.

Participant Assessment of A.I.D. Training Programs: First Annual Report. Washington, D.C., Office of International Training, Agency for International Development, ARC Catalog No. 374.013, A 512a, U.S. Department of State, May 1969.

Descriptive and analytic findings from Exit Interviews conducted with 1810 Academic and Special participants and 610 Observation Training Team members between July 1967 and September

* A.I.D. Reference Center, Room 1656 NS, AID/State Department, Washington, D.C., 20523.

1968. An overview of these participants' reactions to various aspects of their A.I.D. experience and an examination of the relationship between key responses and training program characteristics. Includes a special intensive analysis of the principal satisfactions of Academic and Special participants. Recommendations. (One Appendix)

Participant Assessment of A.I.D. Training Programs: Second Annual Report. Washington, D.C., Office of International Training, Agency for International Development, ARC Catalog No. 374.013, A 512a, U.S. Department of State, July 1970.

Descriptive and analytic findings from Exit Interviews conducted with 1384 Academic and Special participants and 503 Observation Training Team members between September 1968 and September 1969. (Same format as First Annual Report, above.)

Guide for Users of the DETRI Exit Interview. Washington, D.C., Office of International Training, Agency for International Development, ARC Catalog No. 374.013, A 265f, U.S. Department of State, November 1970.

A narrative handbook to answer questions of those who have received Exit Interview questionnaires and reports and to reassure those who believe participant reactions imply personal criticism. A discussion of common problems raised by users of the Exit Interview with suggestions for reading individual questionnaires and using results in future programming.

Participant Assessment of A.I.D. Training Programs: Status Report Series. Washington, D.C., Office of International Training, Agency for International Development, ARC Catalog No. 374.013, A 512a, U.S. Department of State.

Descriptive findings on selected items from Exit Interviews conducted with Academic and Special participants and Observation Training Team members. Comparisons between most recent participants' perceptions and reactions and those of participants interviewed during previous fiscal years are presented and summarized.

Participant Assessment of Factors Related to Selected USAIDs:
Profile Report Series. Washington, D.C., Office of International Training, Agency for International Development, U.S. Department of State.

Descriptive findings from Exit Interviews conducted with participants from countries which had 125 or more Academic and Special participants and/or 3 Observation Training Teams or more at DETRI. Prepared as separate reports for each USAID. Comparisons between perceptions and opinions of participants from the country being reported on and those of participants from other countries in the same region are made. Overall reactions are analyzed by fiscal year. (Out of print)

Participant Assessment of Factors Related to Selected PASAs:
Profile Report Series. Washington, D.C., Office of International Training, Agency for International Development, ARC Catalog Nos. 374.013, A 512f-m, U.S. Department of State.

Descriptive findings from Exit Interviews conducted with participants programmed by agencies which had 170 or more Academic and Special participants and/or 10 Observation Training Teams or more at DETRI. Prepared as separate reports for each PASA. Comparisons between perceptions and opinions of participants from the agency being reported on and those of participants from other agencies are made. Overall reactions are analyzed by fiscal year. (Out of print)

Participant Assessment of Special Programs: Profile Report Series. Washington, D.C., Office of International Training, Agency for International Development, ARC Catalog Nos. 374.013, A 512n-q, U.S. Department of State.

Descriptive findings from Exit Interviews conducted with Academic participants who took part in Pre-Academic Workshops or Mid-Winter Community Seminars, and with Academic and Special participants who had English language training, orientations at the Washington International Center, or Communications Workshop Program. Comparisons among perceptions and opinions of participants at different training sites in the Pre-Academic Workshop

and Communications Workshop reports. Comparisons between the reactions of participants at each of the 15 cities reported on (minimum of 30 participants) and of those participants at all other cities in the Mid-Winter Community Seminar reports. Comparisons among the reactions of participants from the four major world regions, and between participants who had training only in their home countries and only in the United States, in the English language training report. Comparisons among perceptions and opinions of participants who attended programs at the Washington International Center during: (1) 1966-1968, (2) 1969, and (3) 1970-Sept. 1971, in the Washington International Center Orientation Program report. (Out of print)