

AN ANALYSIS OF THE CHARACTERISTICS,
DUTIES, AND RESPONSIBILITIES OF
GRADUATE ASSISTANTS AT THE UNIVERSITY OF MINNESOTA

Part I. A Tabular Summary by Type
of Appointment and Proportion of Time

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TABLE 1

DISTRIBUTION OF GRADUATE ASSISTANTS (RESPONDENTS),
 SPRING QUARTER, 1951, BY TYPE OF ASSISTANTSHIP AND BY COLLEGE.

College or Division	Type of Assistant			Total
	Teaching Ass't.	Research Ass't.	Admin. and Clin. Fellow	
Agriculture	17	94	1	112
Educ. and C.W.	38	8	2	48
I. T.	91	19	0	110
Medicine	32	13	45	90
S.L.A.	156	11	5	172
Prof. Schools	20	5	1	26
Gen. Admin. and Personnel	12	6	14	32
Total	366	156	68	590 ^(a)

(a) This total represents a 65 percent return on the 911 questionnaires sent out.

TABLE 2.

NUMBER OF TEACHING AND RESEARCH ASSISTANTS
 CLASSIFIED BY COLLEGE AND PER CENT TIME EMPLOYED

Per Cent Time Employed	College							Total
	Agri- culture	Educ. and C.W.	I. T.	Medi- cine	S.L.A.	Prof. Schools	Gen. Admin. and Pers.	
0	5	0	1	45	0	1	0	52
25	2	17	0	1	32	1	5	58
26-32	0	0	0	0	0	1	0	1
33	3	12	0	0	21	13	1	50
34-49	7	3	0	1	10	0	0	21
50	83	15	104	39	104	9	26	380
51-74	6	0	4	3	5	1	0	19
75	3	1	1	1	0	0	0	6
70-99	3	0	0	0	0	0	0	3
100	0	0	0	0	0	0	0	0
Total	112	48	110	90	172	26	32	590
Less than half time	17	32	1	47	63	16	6	182
Half time	83	15	104	39	104	9	26	380
More than half time	12	1	5	4	5	1	0	28

TABLE 3

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GEOGRAPHIC SOURCES OF GRADUATE ASSISTANTS CLASSIFIED BY TYPE OF ASSISTANTSHIP
AND PROPORTION OF TIME (UNIVERSITY OF MINNESOTA)

Home Address Before Coming to the University of Minnesota	Medical Fel-	Admin. and	Teaching Assistants		Research Assistants		T.A. and R.A.	Total
	lows & Clini- cal Ass'ts. N=45	Clinical Fellows N=23	50% Time N=244	Less Time N=114	50% Time N=113	Less Time N=15	More Than 50% Time N=36	
<u>Minnesota</u>	40.0	60.9	38.9	53.5	38.9	40.0	55.6	43.7
<u>Out of State</u>	60.0	39.1	61.1	46.5	60.2	60.0	44.4	56.1
Surrounding preferred admission states ^a	11.1	13.0	11.9	7.9	8.8	20.0	5.6	10.3
Other Upper Midwest States ^b	6.7	0.0	5.3	3.5	3.5	6.7	5.6	4.6
Pacific and Mountain States ^c	6.7	4.4	17.6	9.6	18.6	6.7	13.9	14.4
South Central States ^d	11.1	4.4	1.6	1.8	2.6	6.7	0.0	2.7
Atlantic and New England States ^e	6.7	13.0	12.3	18.4	13.3	0.0	8.3	12.7
Canada and U. S. territories	11.1	0.0	6.1	2.6	4.4	0.0	5.6	5.1
Other foreign countries	6.7	4.4	6.1	2.6	8.8	20.0	5.6	6.3
No home address indicated	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.2

^a States included are: North Dakota, South Dakota, Montana, Iowa, Wisconsin, Upper Michigan.

^b States included are: Lower Michigan, Illinois, Indiana, Ohio, Missouri, Nebraska, Kansas.

^c States included are: Washington, Oregon, California, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada.

^d States included are: Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, Texas.

^e States included are: Maine, New Hampshire, Vermont, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, Pennsylvania, Delaware, Maryland, Washington, D. C., Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

TABLE 4

THREE MEASURES OF LENGTH FOR GRADUATE ASSISTANTSHIP APPOINTMENTS CLASSIFIED BY TYPE OF ASSISTANTSHIPS:
DATE OF FIRST APPOINTMENT, LENGTH OF PRESENT APPOINTMENT, AND TOTAL EXPERIENCE

Appointments	Medical Fel-	Admin. and	Teaching Assistants		Research Assistants		T.A. and R.A.	Total
	lows & Clin- ical Ass'ts. N=45	Clinical Fellows N=23	50% Time N=244	Less Time N=114	50% Time N=113	Less Time N=15	More Than 50% Time N=36	
<u>Date of Original University</u>								
<u>of Minnesota Appointment</u>								
New Appointments (1950-51)	15.6%	21.7%	0.0%	52.6%	30.1%	53.3%	19.4%	40.7%
<u>Experienced Assistants</u>								
<u>Date of First Appointment</u>								
1949-50	46.7	34.8	26.6	34.2	36.3	20.0	38.9	32.4
1948-49	17.8	26.1	14.3	7.9	19.5	13.3	19.4	15.1
1947-48	13.3	4.4	5.3	1.8	11.5	0.0	13.9	6.8
Before 1947-48 ^a	4.4	8.7	4.1	0.9	2.7	13.3	8.3	3.9
No Response	2.2	4.4	0.4	2.6	0.0	0.0	0.0	1.2
<u>Length of Present University</u>								
<u>of Minnesota Appointment</u>								
<u>(Half-Time Equivalent)</u>								
Less Than One Quarter	2.2	0.0	1.2	5.3	0.9	0.0	0.0	1.9
One to Three Quarters	4.4	47.8	61.9	71.0	46.0	86.7	19.4	53.2
Four to Six Quarters	17.8	34.8	23.8	21.9	18.6	13.3	27.8	22.4
Seven to Nine Quarters	44.4	4.4	9.4	0.9	15.9	0.0	30.6	13.0
Ten or More Quarters	28.9	8.7	3.7	0.9	15.9	0.0	19.4	8.5
No Time Given	2.2	4.4	0.0	0.0	2.6	0.0	2.8	1.0
<u>Total Length of All University</u>								
<u>of Minnesota Appointments</u>								
<u>(Full-Time Equivalent)</u>								
Less Than One Quarter	2.2	0.0	0.0	6.1	2.6	6.7	0.0	1.9
One to Three Quarters	20.0	56.5	71.3	81.6	49.6	66.7	30.6	62.5
Four to Six Quarters	37.8	21.7	21.3	7.9	31.8	13.3	38.9	22.9
Seven to Nine Quarters	35.6	8.7	4.5	0.9	8.8	6.7	16.7	7.8
Ten or More Quarters	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.2
No Time Given	4.4	8.7	2.9	3.5	7.1	6.7	13.9	4.7

^a Earliest appointment reported was in 1943.

TABLE 5

YEARS IN WHICH GRADUATE ASSISTANTS AT THE UNIVERSITY OF MINNESOTA
WERE AWARDED BACHELOR'S DEGREES BY TYPE OF APPOINTMENT
AND FIVE-YEAR INTERVALS

Type of Appointment		Date of Bachelor's Degrees in Per Cent				No degree or no response	Total
		Before 1940	1940-44	1945-49	1950-51		
Medical Fellows and Clin. Ass't.	N=45	15.6%	44.4%	8.9%	0.0%	31.1%	100.0%
Administrative and Clin. Fellows	N=23	8.7	21.7	52.2	17.4	0.0	100.0
Teaching Assistants 50% Time	N=244	2.4	14.8	57.4	25.0	0.4	100.0
Less Than 50% Time	N=114	8.8	15.8	50.9	22.8	1.7	100.0
Research Assistants 50% Time	N=113	4.4	15.0	58.4	19.5	2.7	100.0
Less Time	N=15	6.7	26.7	33.3	33.3	0.0	100.0
Teaching and Research Assistants More Than Half Time	N=36	8.3	8.3	58.3	19.4	5.6	99.9
All Assistants	N=590	5.8	17.4	51.9	21.2	3.7	100.0

TABLE 6

EDUCATIONAL BACKGROUND OF UNIVERSITY OF MINNESOTA GRADUATE ASSISTANTS,
CLASSIFIED BY DEGREE EARNED, INSTITUTION AWARDED DEGREE AND TYPE OF ASSISTANTSHIP

Degree and Location of School	Medical Fel- lows & Clin- ical Ass'ts.	Admin. and Clinical Fellows	Teaching Assistants		Research Assistants		T.A. and R.A. More Than	Total
	N=45	N=23	50% Time N=244	Less Time N=114	50% Time N=113	Less Time N=15	50% Time N=36	
A. Bachelor's Degree								
University of Minnesota	26.7%	34.8%	32.0%	40.4%	31.8%	40.0%	50.0%	34.5%
Other Minnesota Colleges	13.3	26.1	6.1	10.5	6.2	6.7	8.3	8.5
Out-of-state and Foreign Schools	46.7	39.1	61.9	49.1	60.2	53.3	41.7	55.6
No Degree or No Response	13.3	0.0	0.0	0.0	1.8	0.0	0.0	1.4
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
B. First Graduate Work								
University of Minnesota								
New Students, 1950-51	2.2	17.4	23.3	18.4	8.8	26.7	19.4	17.6
Enrolled Before 1950-51	40.0	69.6	49.2	60.5	64.6	53.3	58.3	55.1
Out-of-state and Foreign Schools	51.1	13.0	19.7	17.5	23.0	13.3	16.7	21.7
No Response	6.7	0.0	7.8	3.5	3.5	6.7	5.6	5.6
Total	100.0	100.0	100.0	99.9	99.9	100.0	100.0	100.0
C. First Graduate Degree								
University of Minnesota	33.3	34.8	18.4	25.4	28.3	33.3	27.8	24.4
Out-of-state and Foreign	51.1	13.0	16.4	14.0	21.2	13.3	13.9	19.2
No Graduate Degree	11.1	52.2	57.8	57.9	46.9	46.7	52.8	51.3
No Response	4.4	0.0	7.4	2.4	3.5	6.7	5.6	5.1
Total	99.9	100.0	100.0	100.0	99.9	100.0	100.1	100.0

TABLE 7
 PERCENTAGES OF UNIVERSITY OF MINNESOTA GRADUATE ASSISTANTS SEEKING
 SPECIFIED GRADUATE OR PROFESSIONAL DEGREES,
 CLASSIFIED BY TYPE OF APPOINTMENT

Type of Appointment	N	Degree Sought				
		M.A. or M.S.	Ph.D.	Professional Degree ^a	No Degree Sought	No Response
Medical Fellows and Clinical Assistants	45	44.4%	20.0%	0.0%	26.7%	8.9%
Admin. and Clin. Fellows	23	52.2	47.8	0.0	0.0	0.0
Teaching Assistants						
Half-time	244	43.8	54.5	0.8	0.4	0.4
Less-time	114	54.4	39.5	3.5	0.9	1.7
Research Assistants						
Half-time	113	31.9	67.2	0.0	0.9	0.0
Less-time	15	26.6	66.7	0.0	0.0	6.7
Teaching Assistants and Research Assistants More than Half-time	36	36.1	61.1	2.8	0.0	0.0
Total	590	43.1	51.9	1.2	2.5	1.3

^a Four assistants indicated they were working for the degree L.L.B., and three indicated the degree M.D.

TABLE 8

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CURRENT MAJORS AND MINORS REPORTED BY DIFFERENT TYPES OF GRADUATE ASSISTANTSHIPS

Functional Subject Groups	Medical Fel- lows & Clini- cal Ass'ts.	Admin. and Clinical Fellows	<u>Teaching Assistants</u>		<u>Research Assistants</u>		T.A. and R.A. More Than 50% Time	Total N=590
	N=45	N=23	50% Time N=244	Less Time N=114	50% Time N=113	Less Time N=15	N=36	
<u>A. Current Major</u>								
Biological Sciences	0.0	0.0	7.0	3.5	26.5	40.0	25.0	11.2
Education	0.0	21.7	2.0	19.3	3.5	0.0	2.8	6.3
Behavioral Sciences	0.0	60.9	9.0	35.1	11.5	13.3	2.8	15.6
Humanities	0.0	4.4	7.0	12.3	0.9	0.0	5.6	5.9
Basic Medical Science	15.6	4.4	12.7	1.8	6.2	0.0	13.8	9.0
Clinical Medicine and Dentistry	71.1	4.4	.4	1.7	0.0	0.0	8.3	6.6
Chemical Sciences	0.0	0.0	21.3	0.0	0.9	0.0	0.0	9.0
Other Physical Sciences	0.0	0.0	25.0	8.8	13.3	6.7	19.4	15.9
Social Ecologies	0.0	4.4	10.7	14.9	11.5	20.0	5.6	10.5
Agricultural Sciences	0.0	0.0	3.7	0.9	25.7	13.3	16.7	8.0
No Major Reported	13.3	0.0	1.2	1.7	0.0	6.7	0.0	2.0
Total	100.0	100.2	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 8 (Continued)

Functional Subject Groups	Medical Fel-	Admin. and	Teaching Assistants		Research Assistants		T.A. and R.A.	Total
	lows & Clini- cal Ass'ts. N=45	Clinical Fellows N=23	50% Time N=244	Less Time N=114	50% Time N=113	Less Time N=15	More Than 50% Time N=36	
<u>B. Current Minor</u>								
Biological Sciences	0.0	0.0	6.6	3.5	23.8	13.3	13.9	9.8
Education	0.0	21.7	2.0	4.4	1.8	6.7	0.0	3.2
Behavioral Sciences	2.2	43.5	10.2	28.1	13.3	13.3	0.0	14.6
Humanities	0.0	0.0	5.7	12.3	1.8	0.0	2.8	5.4
Basic Medical Science	62.2	17.4	10.2	3.5	11.5	13.3	16.7	13.7
Clinical Medicine and Dentistry	6.7	0.0	0.0	0.9	0.0	0.0	0.0	1.2
Chemical Sciences	2.2	0.0	21.7	0.9	5.3	13.3	13.9	10.7
Other Physical Sciences	0.0	8.7	26.6	7.8	14.2	0.0	16.7	16.8
Social Ecologies	0.0	8.7	7.8	16.7	7.1	13.3	13.9	8.8
Agricultural Sciences	0.0	0.0	2.5	0.0	19.4	13.3	16.7	6.1
Related Fields or No Minor Reported	26.7	0.0	6.6	21.9	1.8	13.3	5.6	9.7
Total	100.0	100.0	99.9	100.0	100.0	99.8	100.2	100.0

TABLE 9

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SUMMARY DISTRIBUTION OF THREE MEASURES OF ACADEMIC PROGRESS OF GRADUATE ASSISTANTS:
 SPRING QUARTER CREDIT LOAD, 1951; AVERAGE NUMBER OF CREDITS CARRIED PER QUARTER, 1950-51;
 AND TOTAL GRADUATE CREDITS EARNED TO JUNE, 1951.

Measures of Credit Load	Medical Fel- lows & Clin- ical Ass'ts.	Admin. and Clinical Fellows	Teaching Assistants		Research Assistants		T.A. and R.A. More Than 50% Time	Total N=590	
	N=45	N=23	50% Time N=244	Less Time N=114	50% Time N=113	Less Time N=15	N=36		
A. Spring Quarter Credit Load									
High	19	16	16	18	18	18	16	18	
Q ₃	15	12	11	12	10	10	8	12	
Mdn.	14	11	9	11	8	9	5	9	
Q ₁	11	7	6	6	4	5	1	5	
Low	5	0	0	0	0	1	0	0	
Per Cent Registered for Thesis Only	0.0	4.3	3.3	2.6	3.5	6.7	8.3	3.4	
B. Average Number of Credits Carried per Quarter in the Year 1950-51									
High	17	16	16	18	16	16	16	18	
Q ₃	16	12	11	12	11	11	9	12	
Mdn.	14	11	9	10	8	8	7	9	
Q ₁	11	8	7	7	6	7	5	7	
Low	5	0	0	0	0	1	3	0	
Per Cent Registered for Thesis Only	0.0	4.3	2.4	0.9	4.4	6.7	0.0	2.4	
C. Total Graduate Credits Earned to June, 1951									
High	135	180	210	128	145	115	115	210	
Q ₃	81	100	86	86	88	94	80	86	
Mdn.	45	71	59	51	69	79	62	60	
Q ₁	36	46	36	39	36	34	36	37	
Low	28	35	10	0	10	27	14	0	

TABLE 10

METHODS OF FINANCING GRADUATE STUDY REPORTED BY GROUPS OF GRADUATE ASSISTANTS^a

Source of Income	Proportion of Income Received From Each Source ^a	Medical Fel- lows & Clin- ical Ass'ts. N=45		Admin. and Clinical Fellows N=23		Teaching 50% Time N=244		Assistants Less Time N=114		Research 50% Time N=113		Assistants Less Time N=15		T.A. and R.A. More Than 50% Time N=36		Total N=590			
		None	Mean Per Cent	Half or More	None	Mean Per Cent	Half or More	None	Mean Per Cent	Half or More	None	Mean Per Cent	Half or More	None	Mean Per Cent	Half or More	None	Mean Per Cent	Half or More
1. Assistantship appointment (including tuition exemption)	None	0.0%		0.0%		0.0%		0.0%		0.0%		0.0%		0.0%		0.0%		0.0%	
	Mean Per Cent	38.3	(1)	47.4	(1)	58.4	(1)	37.2	(1)	56.5	(1)	43.6	(1)	61.9	(1)	51.8	(1)		
	Half or More	42.2		52.2		63.5		31.6		65.5		46.7		69.4		55.6			
2. Veterans' benefits or Government allotment	None	71.1		43.5		59.8		61.4		55.8		46.7		63.9		59.5			
	Mean Per Cent	8.6	(4)	24.0	(2)	15.1	(2)	15.0	(2)	17.1	(2)	25.3	(2)	11.5	(2)	15.4	(2)		
	Half or More	4.4		21.7		12.7		14.9		9.7		40.0		2.8		12.4			
3. Earnings of spouse or relative (other than parents)	None	84.4		78.3		71.7		77.2		74.3		86.7		72.2		74.9			
	Mean Per Cent	7.5	(5)	6.6	(4)	9.9	(3)	10.5	(3)	8.9	(3)	2.3	(6)	10.4	(3)	9.3	(3)		
	Half or More	8.9		8.7		10.6		13.2		8.8		0.0		13.9		10.5			
4. Personal savings	None	55.6		47.8		63.1		64.9		59.3		73.3		63.9		61.9			
	Mean Per Cent	15.6	(2)	9.0	(3)	5.8	(4)	8.3	(4)	5.7	(4)	7.7	(3)	5.6	(4)	7.2	(4)		
	Half or More	13.3		4.4		0.8		4.4		1.8		6.7		5.6		3.2			
5. Help from family (parents, relatives, etc.)	None	84.4		95.7		80.3		76.3		85.0		73.3		88.9		81.7			
	Mean Per Cent	5.9	(6)	0.4	(10)	3.8	(5)	6.1	(5)	3.3	(5)	5.7	(4)	0.8	(9)	4.0	(5)		
	Half or More	6.7		0.0		2.4		3.5		2.6		0.0		0.0		2.7			
6. Off-Campus part-time employment	None	86.6		82.6		87.7		75.4		92.0		80.0		94.4		86.1			
	Mean Per Cent	2.3	(9)	2.0	(6)	2.4	(6)	6.0	(6)	1.3	(7)	3.1	(5)	0.4	(8)	2.7	(6)		
	Half or More	0.0		0.0		1.2		3.5		0.9		0.0		0.0		1.4			
7. Scholarship, fellowship, grant-in-aid, etc.	None	77.8		87.0		96.7		94.7		93.8		80.0		94.4		93.4			
	Mean Per Cent	12.2	(3)	6.3	(5)	0.5	(10)	1.8	(9)	1.7	(6)	2.0	(7)	2.4	(5)	2.2	(7)		
	Half or More	11.1		4.4		0.0		1.8		1.8		0.0		2.8		1.9			

TABLE 10 (Continued)

METHODS OF FINANCING GRADUATE STUDY REPORTED BY GROUPS OF GRADUATE ASSISTANTS^a

Source of Income	Proportion of Income Received From Each Source ^a	Medical Fel-	Admin. and	Teaching		Assistants		Research		T.A. and R.A.		Total
		lows & Clin- ical Ass'ts. N=45	Clinical Fellows N=23	50% Time N=244	Less Time N=114	50% Time N=113	Less Time N=15	More Than 50% Time N=36	N=590			
8. Campus employment other than assistantships	None	91.1%	82.6%	92.2%	81.6%	93.8%	86.7%	94.4%	90.0%			
	Mean Per Cent	2.1 (10)	1.9 (7)	1.2 (7)	5.4 (7)	1.2 (8)	1.7 (8)	1.2 (7)	2.1 (8)			
	Half or More	2.2	0.0	0.4	6.1	0.9	0.0	0.0	0.2			
9. Loans	None	80.0	91.3	97.5	94.7	94.7	93.3	94.4	94.6			
	Mean Per Cent	5.6 (7)	0.9 (9)	0.6 (9)	1.1 (10)	1.0 (10)	0.3 (10)	0.8 (10)	1.2 (10)			
	Half or More	4.4	0.8	0.9	0.0	0.0	0.0	0.0	0.8			
10. Others ^b	None	97.8	87.0	94.7	91.2	93.8	86.7	97.2	93.7			
	Mean Per Cent	3.3 (8)	1.4 (8)	1.1 (8)	5.0 (8)	1.0 (9)	1.4 (9)	1.4 (6)	2.0 (9)			
	Half or More	0.0	0.0	0.8	6.1	0.0	0.0	2.8	1.7			

^aFor each source of income and group of assistants, three kinds of information are provided: (1) The proportion of the group deriving no support from that source; (2) The mean proportion of support derived from that source and its rank among other sources (shown in parentheses); (3) The proportion of the group deriving half or more of their support from a given source.

^bTypical "other" sources" included: Paid lectures; inherited income; writing for newspapers and magazines; tutoring; tour with University Theatre; farm income; or income from rental property.

TABLE 11

REASONS CITED BY GROUPS OF GRADUATE ASSISTANTS AS "IMPORTANT" IN INFLUENCING THEM
TO ACCEPT ASSISTANTSHIP APPOINTMENTS AT THE UNIVERSITY OF MINNESOTA,
CLASSIFIED BY TYPE OF APPOINTMENT AND PROPORTION OF TIME

Factors Influencing Choice of University of Minnesota	Medical Fel- lows & Clin- ical Ass'ts.	Admin. and Clinical Fellows	Teaching Assistants		Research Assistants		T.A. and R.A. More Than	Total
	N=45	N=23	50% Time N=244	Less Time N=114	50% Time N=113	Less Time N=15	50% Time N=36	
Reputation of University in Field of Special Interest	86.7%	78.3%	65.6%	66.7%	76.1%	66.7%	58.3%	69.5%
Reputation of Adviser in Field of Special Interest	64.4	43.5	45.1	50.0	48.7	66.7	47.2	48.8
Kinds of Contacts Provided With Persons in Special Field	33.3	56.5	21.7	29.8	28.3	40.0	36.1	28.1
Proximity--Nearest Large Graduate School	26.7	43.5	28.3	36.0	29.2	20.0	30.6	30.3
Part-time Appointment Helped Cover Costs	15.6	69.6	76.6	69.3	73.4	53.3	63.9	68.3
Urged to Accept Appointment by Adviser	4.4	17.4	15.2	14.0	11.5	13.3	11.1	13.2
Former Teacher was University of Minnesota Graduate	2.2	4.4	7.0	4.4	6.2	0.0	2.8	5.4
Placement Opportunities Provided for Graduates	4.4	8.7	7.4	10.5	9.7	6.7	5.6	8.1
Tuition Exemption Included With Appointment	28.9	30.4	47.1	34.2	24.8	20.0	16.7	35.8
U. of M. Bachelor's Degree-- Wanted to Continue Here	6.7	21.7	17.2	23.7	16.8	26.7	22.2	18.3
Lower Financial Costs	11.1	34.8	26.6	29.8	16.8	20.0	19.4	23.9
Provided Opportunity to Work With Adviser	28.9	21.7	25.4	28.1	26.5	20.0	25.0	26.1
Other Factors	17.8	21.7	11.5	14.0	12.4	0.0	22.2	13.4

TABLE 12--PERCENTAGES OF GRADUATE ASSISTANT GROUPS INDICATING VARIOUS SOURCES OF INFORMATION WHICH LED THEM TO APPLY FOR THEIR FIRST AND PRESENT ASSISTANTSHIPS AT THE UNIVERSITY OF MINNESOTA^a

Sources of Information ^b	Medical Fel- lows & Clini- cal Ass'ts. N=45	Admin. and Clinical Fellows N=23	Teaching Assistants		Research Assistants		T.A. and R.A. More than 50% time N=36	Total N=590
			50% time N=244	Less time N=114	50% time N=113	Less time N=15		
Professor suggested I might assist him	0.0% (2.2%)	0.0% (13.0%)	9.8% (13.1%)	14.9% (18.4%)	8.0% (24.8%)	6.7% (20.0%)	19.4% (41.7%)	9.8% (17.5%)
Requested to apply by U. of M. adviser	4.4 (11.1)	4.4 (8.7)	6.1 (14.3)	13.2 (27.2)	11.5 (22.1)	13.3 (0.0)	13.9 (16.7)	9.0 (17.6)
Requested to apply by other U. of M. faculty member	2.2 (6.7)	8.7 (21.7)	8.6 (11.5)	10.5 (10.5)	5.3 (8.8)	20.0 (13.3)	16.7 (5.6)	8.6 (10.5)
Faculty member at another U suggested that I apply	4.4 (0.0)	13.0 (0.0)	16.4 (10.2)	4.4 (7.0)	5.3 (6.2)	6.7 (6.7)	8.3 (2.8)	10.2 (7.1)
Faculty member at another U sought appt. for me	0.0 (2.2)	0.0 (0.0)	7.4 (5.3)	1.8 (0.9)	2.6 (3.5)	0.0 (0.0)	0.0 (0.0)	3.9 (3.2)
Bulletin or other published notice	4.4 (8.9)	17.4 (13.0)	10.6 (10.2)	6.1 (9.6)	5.3 (8.0)	0.0 (0.0)	13.9 (2.8)	8.5 (9.0)
I wrote to ask about appointment possibilities	31.1 (26.7)	17.4 (17.4)	23.0 (19.3)	13.2 (12.3)	17.7 (18.6)	13.3 (13.3)	16.7 (16.7)	19.8 (18.0)
Assigned to position by dept. or college office	2.2 (8.9)	0.0 (4.4)	3.7 (13.1)	7.9 (13.2)	11.5 (11.5)	33.3 (33.3)	5.6 (11.1)	6.6 (12.5)
Learned of opening through fellow student or ass't.	6.7 (6.7)	8.7 (30.4)	9.0 (5.7)	8.8 (9.6)	3.5 (7.1)	0.0 (13.3)	8.3 (5.6)	7.4 (8.0)
Other	6.7 (6.7)	21.7 (4.4)	4.9 (4.1)	3.5 (5.3)	5.3 (8.0)	6.7 (13.3)	2.8 (13.9)	5.4 (6.1)
No Response	44.4 (31.1)	34.8 (21.7)	39.3 (24.6)	37.7 (26.3)	43.4 (13.3)	33.3 (13.3)	22.2 (11.1)	38.8 (22.0)

^aMany assistants listed several sources of information which led them to make application. Percentage totals, consequently, exceed 100 per cent. ^bThe first percentages in each column described sources of information which led graduate students to apply for their first assistantships. Percentages shown in parentheses refer to present appointments. RJK:mhb

TABLE 13

SUMMARY DISTRIBUTIONS OF REPORTED HOURS PER WEEK SPENT IN ASSISTANTSHIP RESPONSIBILITIES
FOR AVERAGE AND EXTREME WORK WEEKS, CLASSIFIED BY TYPE OF APPOINTMENT

Variation in Work Week	Medical Fel- lows & Clin- ical Ass'ts.	Admin. and Clinical Fellows	Teaching Assistants		Research Assistants		T.A. and R.A. More Than 50% Time
	N=45	N=23	50% Time N=244	Less Time N=114	50% Time N=113	Less Time N=15	N=36
<u>Low Week (On-campus activities only)</u>							
High	92	30	20	20	50	30	50
Q ₃	55	20	15	9	20	15	30
Mdn.	50	15	10	6	15	9	20
Q ₁	40	10	8	4	10	5	15
Low	0	2	0	0	0	0	0
<u>Average Week (On-campus activities only)</u>							
High	96	30	76	30	55	45	72
Q ₃	60	15	20	13	25	18	42
Mdn.	50	15	15	10	20	17	26
Q ₁	45	15	12	8	20	12	20
Low	0	12	0	2	0	8	10
<u>Average Week (On- and off-campus activities combined)</u>							
High	98	35	76	40	67	45	76
Q ₃	74	20	20	15	29	20	45
Mdn.	65	20	17	12	22	17	36
Q ₁	56	20	12	10	20	14	28
Low	30	12	4	5	5	10	20
<u>High Week (On-campus activities only)</u>							
High	99	55	70	45	75	50	85
Q ₃	85	35	25	20	42	35	40
Mdn.	70	30	20	15	30	21	31
Q ₁	50	25	15	10	24	15	28
Low	0	20	4	3	0	3	10

TABLE 14

PERCENTAGES OF GRADUATE ASSISTANTS REPORTING SPECIFIED NUMBERS
OF HOURS PER WEEK REQUIRED OF HALF-TIME ASSISTANTS,
CLASSIFIED BY TYPE OF APPOINTMENT^a

	Medical Fellows and Clinical Assistants N=45 ^b	Adminis- trative and Clinical Fellows N=23	Teaching Assistants 50% time N=244	Less than 50% time N=114	Research Assistants 50% time N=113	Less than 50% time N=15	Teaching, Research Assistants More than Half-time N=36	All Assist- ants N=590
<u>Number of Hours</u>								
Over 25	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	2.8%	0.3%
21-25	0.0	4.4	1.2	7.0	15.9	26.7	13.9	6.6
20	0.0	78.2	37.7	29.8	61.9	33.3	47.2	40.0
16-19	0.0	0.0	2.5	0.0	0.0	6.7	0.0	1.2
12-15	0.0	0.0	27.0	9.6	1.8	0.0	2.8	13.6
8-11	0.0	0.0	3.7	3.5	0.0	0.0	0.0	2.2
Hours Unknown	97.8	13.0	24.6	47.4	17.7	26.6	33.3	33.4
No Response	2.2	4.4	2.9	2.6	2.7	6.7	0.0	2.7
Total	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0

^a "How many hours per week are generally required of an assistant working half-time in your department?" -- the above responses were given in answer to this question.

^b There were no half-time assistantships in this group.

TABLE 15

Bureau of Institutional Research

SELECTED CONDITIONS OF EMPLOYMENT REPORTED BY GROUPS OF GRADUATE ASSISTANTS IN PER CENT^a

Conditions of Employment	Medical Fel- lows & Clini- cal Ass'ts.	Admin. and Clinical Fellows	Teaching Assistants		Research Assistants		T.A. and R.A. More Than 50% Time	Total N=590
	N=45	N=23	50% Time N=244	Less Time N=114	50% Time N=113	Less Time N=15	N=36	
A. <u>Specificity of Instructions</u>								
Detailed instructions	6.7%	0.0%	2.9%	9.7%	1.8%	0.0%	0.0%	3.9%
Fairly detailed instructions	15.6	17.4	31.1	43.0	17.7	26.7	13.9	28.0
General instructions	60.0	73.9	61.5	47.4	66.4	73.3	61.1	43.4
Expected to work out own plans	17.8	26.1	6.2	3.5	23.9	6.7	41.7	16.3
No response	2.2	4.4	1.2	0.9	1.8	0.0	0.0	1.4
B. <u>Interference with Graduate Work</u>								
Great deal of interference	13.3	0.0	2.1	2.6	1.8	0.0	13.3	3.1
Some interference	13.3	39.1	40.6	30.7	36.3	13.3	41.7	35.1
Seldom interferes, (or "Little interference")	24.4	39.1	39.8	43.9	28.3	40.0	19.4	35.9
No interference	44.4	21.7	17.6	20.2	33.6	46.7	33.3	25.1
No response	4.4	4.4	0.8	2.6	0.9	0.0	2.8	1.7

^a Since assistants sometimes indicated more than one response on each of the above items, totals exceed 100 per cent, e.g., some assistants are responsible to more than one person.

RJK:mhb--2/11/53

TABLE 15^a (Continued)

Conditions of Employment	Medical Fel- lows & Clini- cal Ass'ts.	Admin. and Clinical Fellows	Teaching Assistants		Research Assistants		T.A. and R.A. More Than 50% Time	Total N=590
	N=45	N=23	50% Time N=244	Less Time N=114	50% Time N=113	Less Time N=15	N=36	
C. Relation of Supervisor to Graduate Adviser								
Work directly for major adviser	42.2%	13.0%	26.6%	43.9%	60.2%	46.7%	61.1%	36.4%
Work directly for minor adviser	4.4	0.0	0.0	13.2	2.7	6.7	2.8	1.5
Work indirectly for major or minor adviser	22.2	0.0	14.8	0.9	10.6	20.0	5.6	13.2
Work for someone else	6.7	73.9	53.7	27.2	21.2	13.3	25.0	40.0
No response	28.9	13.0	7.8	15.8	6.2	20.0	8.3	11.2

^a Since assistants sometimes indicated more than one response on each of the above items, totals exceed 100 per cent, e.g., some assistants are responsible to more than one person.

TABLE 16

AVERAGE PERCENTAGES OF TIME SPENT IN VARIOUS RESPONSIBILITIES
BY DIFFERENT GROUPS OF GRADUATE ASSISTANTS^a

Duty Performed	Medical Fel-	Admin. and	Teaching Assistants		Research Assistants		T.A. and R.A.	Total
	lows & Clini- cal Ass'ts. N=45	Clinical Fellows N=23	50% Time N=244	Less Time N=114	50% Time N=113	Less Time N=15	More Than 50% Time N=36	
Regular Classroom Teaching	2.4%	2.7%	31.4%	13.2%	1.2%	0.0%	12.5%	17.0%
Other Teaching Responsibil- ities	6.0	1.0	36.8	47.3	2.0	0.0	10.4	25.8
Counseling and Advising	0.2	24.5	5.4	3.9	0.1	0.0	1.0	4.0
Individual Case Work	69.9	2.2	0.2	1.0	1.1	0.0	1.2	5.9
Administrative Responsibility	3.1	19.7	2.0	1.7	2.9	2.3	4.3	3.0
Clerical and Routine Office Work	1.8	13.7	3.0	12.0	4.4	4.6	2.7	5.3
Research, Writing and Other Creative Work	9.5	32.0	12.8	14.6	78.8	92.3	63.4	31.5
Other ^b	7.1	4.2	8.4	6.2	9.5	0.8	4.5	7.5
Totals	100.0	100.0	100.0	99.9	99.9	100.0	100.0	100.0

^a The average per cent of time has been adjusted proportionally to yield a total of 100 per cent for each type of assistantship. (Percentages had previously been coded in intervals of ten.)

^b Other responsibilities listed were general laboratory work, group testing, attending class lectures, answering routine requests for information, etc.

TABLE 17

PERCENTAGES OF GRADUATE ASSISTANTS INDICATING (1) CERTAIN AMOUNTS OF EXPERIENCE
IN SELECTED ASSISTANTSHIP RESPONSIBILITIES AND (2) ESTIMATED RELEVANCE
OF THESE RESPONSIBILITIES TO FUTURE WORK

UNIVERSITY OF MINNESOTA

N = 590

Kind of Experience	Per Cent Indicating Specified Amount of Experience				Per Cent Indicating Amount of Relevance to Future Work			
	Considerable	Some	None	No Response	High	Some	None	No Response
A. Teaching Responsibilities								
1. Lecturing to students in class	15.9%	36.9%	33.9%	13.2%	50.3%	18.8%	14.2%	16.6%
2. Handling group discussions	9.5	30.0	45.8	14.8	41.5	24.1	16.3	18.2
3. Supervising laboratory work	32.0	13.0	40.8	14.1	33.2	23.6	25.1	18.1
4. Presenting demonstrations	9.0	24.7	51.5	14.8	24.4	27.6	29.5	18.5
5. Tutorial work with individual students	8.1	34.8	41.9	15.2	24.2	28.5	28.3	19.0
6. Proctoring examinations	29.2	28.8	29.3	12.7	10.5	26.1	47.8	15.6
7. Using and interpreting standardized tests	7.1	13.4	64.2	15.2	17.3	18.1	46.1	18.5
8. Assisting in disciplinary control	3.6	15.6	65.4	15.4	10.7	24.9	44.9	19.5
B. Preparation for Teaching								
1. Planning use of class time	14.4	21.7	48.1	15.8	37.8	19.8	22.7	19.7
2. Preparing syllabus or other class materials	8.8	19.8	55.6	15.8	33.4	22.5	24.2	19.8
3. Getting ready for demonstration or lab work	17.3	23.7	43.6	15.4	25.8	26.3	28.6	19.3
4. Writing test items	19.5	27.8	38.1	14.6	32.7	22.4	26.6	18.3
5. Library work for faculty member	7.3	16.8	60.7	15.2	16.9	25.4	39.2	18.5
6. Organizing course work	7.8	18.3	58.1	15.8	38.3	19.1	22.4	20.2
7. Developing exams or other measures	15.8	24.1	44.7	15.4	35.3	20.0	25.4	19.3
8. Correcting and grading papers and exams	45.2	16.1	25.8	12.9	25.6	28.5	29.8	16.1
C. Counseling or Advising								
1. Advising students about educational problems	6.6	29.8	50.0	13.6	30.5	22.9	29.5	17.1
2. Assisting students with program making	5.3	14.2	65.4	15.1	23.4	24.4	33.9	18.3
3. Advising students about vocational problems	3.6	14.1	67.4	14.9	18.6	29.5	33.2	18.6
4. Advising students about personal problems	3.6	15.8	66.4	14.2	17.1	27.1	38.5	17.3
D. Professional Services and Relationships								
1. Working with colleagues in small groups	37.1	30.8	20.5	11.5	61.4	16.4	7.4	14.7
2. Participating in staff or committee meetings	15.3	27.6	45.6	11.5	48.5	23.9	12.2	15.4
3. Contacting staff members in other departments	9.0	30.7	48.1	12.2	33.9	33.0	17.3	15.8
4. Making hospital rounds and treating patients	7.3	2.0	76.4	14.2	8.5	1.9	70.1	19.5

TABLE 17 (Continued)

Kind of Experience	Per Cent Indicating Specified Amount Of Experience				Per Cent Indicating Amount of Relevance to Future Work			
	Considerable	Some	None	No Response	High	Some	None	No Response
5. Making surgical dressings	1.9%	1.0%	81.8%	15.3%	2.2%	1.0%	76.6%	20.2%
6. Making medical or other case records	8.3	2.7	74.4	14.6	9.8	4.6	65.6	20.0
7. Acting as consultant in special field	7.1	16.3	63.0	13.6	34.2	19.8	27.6	18.3
8. Speaking engagements (outside class work)	1.9	15.6	68.8	13.7	27.1	30.3	24.6	18.0
E. Research and Writing								
1. Writing research reports	18.6	29.0	43.7	8.7	60.7	16.6	10.7	12.0
2. Planning research projects	20.5	27.8	42.0	9.7	60.9	15.9	10.7	12.5
3. Collecting data for research	34.1	26.4	32.9	6.6	61.9	20.0	8.8	9.3
4. Analyzing literature in a special field	28.1	26.3	37.8	7.8	59.3	20.0	9.7	11.0
5. Designing, building, and operating apparatus for research problems.	13.9	18.5	56.4	11.2	38.3	20.0	25.9	15.8
6. Analyzing data statistically	13.4	26.4	50.9	9.3	42.0	28.6	16.4	12.9
7. Using a variety of research techniques	19.2	26.6	44.9	9.3	51.2	20.9	15.4	12.5
8. Editorial work	5.2	16.8	65.8	12.2	22.0	36.1	26.3	15.6
F. Administrative and Office Responsibilities								
1. Keeping class records (grades, attendance, laboratory records, etc.)	37.1	26.3	23.6	13.0	27.6	31.9	24.7	15.8
2. Caring for equipment	19.8	28.1	38.5	13.6	22.2	31.5	29.0	17.3
3. Developing and/or maintaining files	9.5	27.1	49.5	13.9	19.7	33.9	29.3	17.1
4. Evaluating the work of others on staff	1.9	10.2	73.2	14.7	16.6	29.3	34.8	19.3
5. Preparing business or other forms	2.0	15.1	67.8	15.1	9.8	26.3	44.9	19.0
6. Answering correspondence	5.3	25.2	56.1	13.4	21.2	34.4	26.8	17.6
7. Routine clerical assignments	10.3	21.0	54.0	14.7	4.6	24.4	53.0	18.0

TABLE 18

Bureau of Institutional Research

PERCENTAGES OF GRADUATE ASSISTANTS INDICATING (1) CERTAIN AMOUNTS OF EXPERIENCE IN SELECTED ASSISTANTSHIP RESPONSIBILITIES, AND
(2) ESTIMATED RELEVANCE OF THESE RESPONSIBILITIES TO FUTURE WORK, CLASSIFIED BY TYPE OF APPOINTMENT

Kind of Responsibilities	Amount ^a	Medical Fellows and Clinical Assistants N=45		Admin. and Clinical Fellows N=23		Teaching Assistants 50% Time N=244		Less Time N=114		Research Assistants 50% Time N=113		Less Time N=15		Tchg. and R.A. More Than 50% Time N=36		Total N=590	
		Experience	Relevance	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.
A. Teaching Responsibilities																	
1. Lecturing to students in class	Much Some	8.9 66.7	28.9 66.7	4.4 26.1	34.8 69.6	24.2 67.6	62.7 79.9	15.8 56.1	54.4 69.3	3.5 23.0	36.0 53.1	0.0 13.3	13.3 20.0	22.2 52.8	50.0 69.4	15.9 52.9	50.3 69.2
2. Handling group discussions	Much Some	6.7 57.8	28.9 68.9	8.7 47.8	65.2 69.6	14.3 54.6	46.3 73.8	7.0 39.5	48.2 61.4	3.5 23.9	30.1 54.0	0.0 6.7	13.3 26.7	11.1 41.7	36.1 69.4	9.5 39.5	41.5 65.6
3. Supervising laboratory work	Much Some	6.7 28.9	17.8 44.4	8.7 13.0	17.4 47.8	57.8 66.8	46.3 69.7	17.5 29.8	21.9 44.7	10.6 26.5	23.9 50.4	6.7 13.3	6.7 20.0	27.8 58.3	50.0 63.9	32.0 45.1	33.2 56.8
4. Presenting demonstrations	Much Some	11.1 53.3	24.4 53.3	4.4 17.4	30.4 56.5	13.1 42.8	29.1 57.0	7.9 25.4	24.6 49.1	2.6 18.6	15.9 43.4	0.0 20.0	0.0 33.3	8.3 44.4	25.0 58.3	9.0 33.7	24.4 52.0
5. Tutorial work with individual students	Much Some	13.3 40.0	15.6 37.8	4.4 26.1	21.7 60.9	8.6 57.4	25.4 59.8	12.3 53.5	41.2 64.0	2.6 12.3	12.4 36.0	6.7 6.7	0.0 13.3	5.6 36.1	22.2 50.0	8.1 42.9	24.2 52.7
6. Proctoring examinations	Much Some	4.4 40.0	4.4 8.9	13.0 43.5	0.0 34.8	41.4 79.5	12.3 45.1	46.5 73.7	17.5 50.0	6.2 19.5	6.2 24.8	0.0 6.7	6.7 13.3	16.7 36.1	5.6 19.4	29.2 58.0	10.5 36.6
7. Using and interpreting standardized tests	Much Some	6.7 17.8	17.8 24.4	30.4 39.1	56.5 69.6	6.6 22.1	15.2 39.3	9.6 30.7	21.9 42.1	3.5 8.8	13.3 23.9	6.7 20.0	20.0 33.3	0.0 5.6	2.8 16.7	7.1 20.5	17.3 35.4
8. Assisting in disciplinary control	Much Some	4.4 17.8	8.9 20.0	8.7 13.0	13.0 47.8	4.1 29.5	13.1 43.0	5.3 20.2	14.0 38.6	0.0 2.6	6.2 27.4	0.0 0.0	0.0 13.3	2.8 11.1	2.8 22.2	3.6 19.2	10.7 35.6

^a Much includes persons reporting "considerable experience" or "high relevance" to future work. Some combines persons reporting both "considerable" and "some" experience or both "high" and "some" relevance to future work.

RJK:mhb--2/6/53.

TABLE 18 (Continued)

Kind of Responsibilities	Amount ^a	Medical Fellows and Clinical Assistants N=45		Admin. and Clinical Fellows N=23		Teaching Assistants 50% Time N=244		Teaching Assistants Less Time N=114		Research Assistants 50% Time N=113		Research Assistants Less Time N=15		Tchg. and R.A. More Than 50% Time N=36		Total N=590	
		Experience	Relevance	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.
B. Preparation for Teaching																	
1. Planning use of class time	Much Some	2.2 15.6	2.2 24.4	4.4 17.4	26.9 60.9	22.1 51.6	48.4 69.3	14.9 38.6	49.1 61.4	3.5 15.9	25.7 46.9	0.0 0.0	6.7 13.3	22.2 38.9	33.3 58.3	14.4 36.1	37.8 57.6
2. Preparing syllabus or other class materials	Much Some	4.4 17.8	8.9 31.1	0.0 17.4	30.4 56.5	12.3 36.5	39.3 64.3	10.5 33.3	43.0 60.5	1.8 15.9	23.9 45.1	0.0 0.0	6.7 20.0	16.7 33.3	36.1 63.9	8.8 28.6	33.4 55.9
3. Getting ready for demonstration or laboratory work	Much Some	8.9 33.3	11.1 33.3	4.4 17.4	17.4 56.5	29.5 56.2	32.8 60.2	11.4 34.2	27.2 50.0	4.4 26.5	20.4 46.9	0.0 20.0	6.7 20.0	19.4 38.9	22.2 52.8	17.3 41.0	25.8 52.0
4. Writing test items	Much Some	2.2 24.4	4.4 33.3	17.4 21.7	21.7 60.9	30.7 64.4	41.8 65.6	23.7 61.4	42.1 61.4	2.6 18.6	21.2 40.7	0.0 13.3	13.3 20.0	13.9 36.1	27.8 47.2	19.5 47.3	32.7 55.1
5. Library work for faculty member	Much Some	4.4 22.2	17.8 33.3	8.7 34.8	8.7 47.8	9.0 23.0	21.3 50.4	11.4 36.8	20.2 47.4	1.8 15.9	8.8 29.2	6.7 26.7	13.3 20.0	2.8 11.1	8.3 30.6	7.3 24.1	16.9 42.4
6. Organizing course work	Much Some	2.2 17.8	4.4 28.9	4.4 8.7	34.8 60.9	10.7 37.3	51.6 68.4	10.5 27.2	45.6 61.4	0.9 10.6	21.2 46.0	0.0 0.0	13.3 13.3	13.9 27.8	33.3 58.3	7.8 26.1	38.3 57.5
7. Developing exams or other measures	Much Some	2.2 24.4	8.9 33.3	13.0 21.7	34.8 60.9	21.7 52.0	41.4 63.5	23.7 55.3	49.1 64.0	3.5 15.0	23.9 41.6	0.0 6.7	13.3 20.0	13.9 30.6	27.8 52.8	15.8 39.8	35.3 55.3
8. Correcting and grading papers and exams	Much Some	6.7 28.9	6.7 28.9	21.7 26.1	4.4 52.2	67.6 84.0	31.1 63.5	64.0 81.6	38.6 69.3	7.1 22.1	16.8 35.4	6.7 20.0	6.7 20.0	33.3 47.2	19.4 47.2	45.3 61.4	25.6 54.1

^a Much includes persons reporting "considerable experience" or "high relevance" to future work. Some combines persons reporting both "considerable" and "some" experience or both "high" and "some" relevance to future work.

RJK:mhb--2/9/53.

TABLE 18 (Continued)

Kind of Responsibilities	Amount ^a	Medical Fellows and Clinical Assistants N=45		Admin. and Clinical Fellows N=23		Teaching Assistants				Research Assistants				Tchg. and R.A. More Than 50% Time N=36		Total N=590	
		Experience	Relevance	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.
C. Counseling and Advising																	
1. Advising students about educational problems	Much Some	6.7 35.6	15.6 35.6	26.1 43.5	56.5 65.2	7.0 44.7	34.4 61.9	8.8 43.8	42.1 57.0	.9 15.0	18.6 44.2	0.0 13.3	0.0 13.3	5.6 30.6	19.4 44.4	6.6 36.4	30.5 53.4
2. Assisting students with program making	Much Some	0.0 8.9	6.7 20.0	21.7 34.8	39.1 60.9	7.0 23.4	27.5 56.1	7.0 24.6	31.6 50.0	.9 9.7	15.9 42.5	0.0 13.3	0.0 13.3	0.0 13.9	13.9 41.7	5.2 19.5	23.4 47.8
3. Advising students about vocational problems	Much Some	0.0 17.8	4.4 26.7	26.1 39.1	43.5 60.9	4.5 19.3	20.5 53.7	2.6 20.2	27.2 52.6	.9 11.5	11.5 44.2	0.0 6.7	0.0 13.3	0.0 8.3	11.1 41.7	3.6 17.6	18.6 48.1
4. Advising students about personal problems	Much Some	2.2 22.2	8.9 37.8	21.7 43.5	47.8 60.9	3.7 20.9	16.4 47.5	2.6 24.6	24.6 52.6	1.8 10.6	10.6 35.4	0.0 6.7	0.0 13.3	2.8 5.6	16.7 33.3	3.6 19.3	17.1 44.2

^a Much includes persons reporting "considerable experience" or "high relevance" to future work. Some combines persons reporting both "considerable" and "some" experience or both "high" and "some" relevance to future work.

TABLE 18 (Continued)

Kind of Responsibilities	Amount ^a	Medical Fellows and Clinical Assistants N=45		Admin. and Clinical Fellows N=23		Teaching Assistants 50% Time N=244		Teaching Assistants Less Time N=114		Research Assistants 50% Time N=113		Research Assistants Less Time N=15		Tchg. and R.A. More Than 50% Time N=36		Total N=590	
		Experience	Relevance	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.
D. Professional Services and Relationships																	
1. Working with colleagues in small groups	Much Some	80.0 91.1	80.0 91.1	47.8 82.6	65.2 87.0	32.8 69.7	64.8 82.4	27.2 61.4	53.5 72.8	37.2 60.2	55.8 66.4	13.3 40.0	26.7 46.7	47.2 75.0	69.4 88.9	37.1 68.0	61.4 77.8
2. Participating in staff meetings	Much Some	53.3 84.4	62.2 86.7	43.5 87.0	69.6 100.0	9.8 41.0	49.6 79.1	14.0 29.8	43.9 61.4	8.8 38.9	44.2 61.1	6.7 13.3	13.3 33.3	13.9 41.7	52.8 77.8	15.2 42.9	48.5 72.4
3. Contacting staff members in other departments	Much Some	33.3 84.4	46.7 84.4	26.1 82.6	60.9 87.0	5.3 29.1	34.0 69.3	4.4 26.3	26.3 56.1	8.8 45.1	31.9 61.1	6.7 33.3	20.0 46.7	8.3 55.6	36.1 77.8	9.0 39.7	33.9 66.9
4. Making hospital rounds	Much Some	86.7 95.6	88.9 95.6	4.4 4.4	4.4 13.0	0.0 .8	.8 1.6	2.6 4.4	4.4 6.1	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 11.1	5.6 11.1	7.3 9.3	8.5 10.3
5. Making surgical dressings	Much Some	22.2 33.3	17.8 26.7	4.4 4.4	8.7 8.7	0.0 0.0	0.0 0.0	0.0 0.0	1.8 1.8	0.0 0.0	0.0 .9	0.0 0.0	0.0 0.0	0.0 2.8	2.8 5.6	1.9 2.9	2.2 3.2
6. Making medical or other case records	Much Some	86.7 91.1	77.8 91.1	13.0 13.0	13.0 21.7	1.6 2.9	2.0 5.7	.9 5.3	7.0 13.2	0.0 2.6	2.6 3.5	0.0 6.7	0.0 6.7	5.6 11.1	11.1 13.9	8.3 11.0	9.8 14.4
7. Acting as consultant in special fields	Much Some	62.2 84.4	88.9 91.1	4.4 30.4	47.8 82.6	1.6 13.5	27.9 51.2	4.4 13.2	23.7 41.2	2.6 24.8	32.7 54.0	0.0 13.3	13.3 33.3	2.8 41.7	47.2 58.3	7.1 23.4	34.2 54.1
8. Speaking engagements	Much Some	8.9 44.4	42.2 73.3	4.4 21.7	43.5 78.3	1.2 13.5	23.0 60.2	1.8 15.8	27.2 50.0	.9 16.8	26.5 52.2	0.0 6.7	20.0 26.7	0.0 19.4	30.6 58.3	1.9 17.4	27.1 57.4

^a Much includes persons reporting "considerable experience" or "high relevance" to future work. Some combines persons reporting both "considerable" and "some" experience or both "high" and "some" relevance to future work.

TABLE 18 (Continued)

Kind of Responsibilities	Amount ^a	Medical Fellows and Clinical Assistants N=45		Admin. and Clinical Fellows N=23		Teaching Assistants				Research Assistants				Tchg. and R.A. More Than 50% Time N=36		Total N=590	
		Experience	Relevance	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.
E. <u>Research and Writing</u>																	
1. Writing research reports	Much	8.9	28.9	8.7	56.5	12.7	65.2	9.6	44.7	35.4	75.2	46.7	60.0	41.7	77.8	18.6	60.7
	Some	51.1	71.1	56.5	73.9	36.1	80.7	31.6	62.3	75.2	84.1	73.3	86.7	69.4	86.1	47.6	77.3
2. Planning research reports	Much	8.9	33.3	13.0	56.5	13.1	64.8	7.9	39.5	43.4	79.6	40.0	60.0	50.0	80.6	20.5	60.8
	Some	55.6	68.9	56.5	82.6	35.6	32.7	28.1	60.5	80.5	86.7	66.7	80.0	75.0	86.1	48.3	76.8
3. Collecting data for research	Much	15.6	40.0	26.1	60.9	23.8	66.0	18.4	42.1	68.1	76.1	60.0	73.3	63.9	75.0	34.1	61.9
	Some	62.2	75.6	82.6	87.0	47.1	82.8	44.7	71.0	88.5	88.5	93.3	93.3	83.3	88.9	60.5	81.9
4. Analyzing literature in a special field	Much	35.6	51.1	4.4	43.5	22.5	61.5	15.8	46.5	46.9	69.9	40.0	46.7	47.2	77.8	28.1	59.3
	Some	71.1	82.2	47.8	78.3	47.1	82.0	34.2	64.0	74.3	85.0	73.3	80.0	80.6	88.9	54.4	79.3
5. Designing, building, and operating apparatus for research problems	Much	2.2	13.3	4.4	26.1	13.1	45.1	1.8	15.8	26.5	51.3	6.7	40.0	41.7	61.1	13.9	38.3
	Some	22.2	46.7	13.0	39.1	29.5	63.9	7.0	36.0	56.6	70.8	40.0	53.3	77.8	80.6	32.4	58.3
6. Analyzing data statistically	Much	2.2	22.2	17.4	47.8	5.7	42.2	8.8	22.8	33.6	62.8	46.7	46.7	13.9	55.6	13.4	42.0
	Some	24.4	57.8	56.5	73.9	24.6	72.5	35.1	55.3	69.0	82.3	73.3	80.0	61.1	80.6	39.8	70.7
7. Using a variety of research techniques	Much	8.9	26.7	8.7	39.1	11.1	55.3	6.1	27.2	42.5	70.8	40.0	53.3	52.8	75.0	19.2	51.2
	Some	33.3	53.3	47.8	73.9	33.2	74.6	23.7	54.4	84.1	85.0	73.3	80.0	83.3	88.9	45.8	72.0
8. Editorial work	Much	2.2	20.0	13.0	21.7	2.9	21.3	7.0	22.8	7.1	23.0	6.7	13.3	8.3	27.8	5.2	22.0
	Some	24.4	51.1	43.5	65.2	12.7	58.2	22.8	49.1	31.0	68.1	33.3	60.0	33.3	58.3	22.0	58.1

^a Much includes persons reporting "considerable experience" or "high relevance" to future work. Some combines persons reporting both "considerable" and "some" experience or both "high" and "some" relevance to future work.

TABLE 18 (Continued)

Kind of Responsibilities	Amount ^a	Medical Fellows and Clinical Assistants N=45		Admin. and Clinical Fellows N=23		Teaching Assistants 50% Time N=244		Less Time N=114		Research Assistants 50% Time N=113		Less Time N=15		Tchg. and R.A. More Than 50% Time N=36		Total N=590	
		Experience	Relevance	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.	Exp.	Rel.
F. <u>Administrative and Office Responsibilities</u>																	
1. Keeping class records	Much Some	11.1 46.7	8.9 33.3	4.4 26.1	4.4 39.1	55.3 82.0	32.8 68.8	50.0 81.6	36.0 67.5	10.6 31.0	24.8 50.4	6.7 13.3	13.3 20.0	22.2 47.2	19.4 61.1	37.1 63.4	27.6 59.5
2. Caring for equipment	Much Some	6.7 28.9	8.9 44.4	4.4 30.4	8.7 43.5	24.2 58.6	29.5 63.5	12.3 35.1	9.7 36.8	21.2 50.4	23.0 55.8	6.7 13.3	13.3 33.3	41.7 58.3	38.9 61.1	19.8 48.0	22.2 53.7
3. Developing and/or maintaining files	Much Some	4.4 28.9	15.6 48.9	13.0 56.5	13.0 65.2	7.8 33.2	20.9 54.5	11.4 37.7	14.9 47.4	12.4 41.6	21.2 57.5	6.7 6.7	13.3 33.3	11.1 50.0	33.3 61.1	9.5 36.6	19.7 53.6
4. Evaluating the work of others on staff	Much Some	4.4 33.3	20.0 48.9	4.4 26.1	17.4 60.9	0.0 7.4	15.2 47.5	2.6 7.9	11.4 38.6	3.5 15.0	23.0 48.7	0.0 0.0	6.7 13.3	2.8 16.7	22.2 50.0	1.9 12.0	16.6 45.9
5. Preparing business or other forms	Much Some	2.2 17.8	2.2 33.3	13.0 39.1	0.0 56.5	1.2 12.7	10.2 35.6	.9 16.7	8.8 28.9	2.7 19.5	12.4 41.6	0.0 13.3	13.3 20.0	2.8 27.8	16.7 41.7	2.0 17.1	9.8 36.1
6. Answering correspondence	Much Some	17.8 60.0	20.0 66.7	17.4 73.9	21.7 82.6	.8 21.7	18.4 52.9	6.1 20.2	15.8 47.4	4.4 36.3	31.9 58.4	0.0 20.0	20.0 40.0	13.9 44.4	25.0 66.7	5.2 30.5	21.2 55.6
7. Routine clerical assignments	Much Some	11.1 28.9	6.7 17.8	21.7 60.9	0.0 39.1	6.6 27.4	4.9 29.5	21.0 44.7	7.0 32.4	7.1 25.7	1.8 29.2	6.7 26.7	6.7 26.7	5.6 19.4	2.8 22.2	10.3 31.4	4.6 29.0

^a Much includes persons reporting "considerable experience" or "high relevance" to future work. Some combines persons reporting both "considerable" and "some" experience or both "high" and "some" relevance to future work.

TABLE 19

TWO EVALUATIONS OF GRADUATE ASSISTANTSHIPS BY TYPE OF APPOINTMENT IN PER CENT

Question	Medical Fel- lows & Clin- ical Ass'ts. N=45	Admin. and Clinical Fellows N=23	Teaching Assistants		Research Assistants		T.A. and R.A. More Than 50% Time N=36	Total N=590
			50% Time N=244	Less Time N=114	50% Time N=113	Less Time N=15		
<u>A. Value of Assistantship in Time and Effort Spent^a</u>								
Well Spent	77.8%	47.9%	43.9%	47.4%	64.6%	60.0%	80.6%	53.9%
Some Value	20.0	47.9	43.9	34.2	32.7	40.0	16.6	36.4
Small Value	0.0	0.0	11.0	14.0	2.7	0.0	2.8	8.0
Time Wasted	0.0	0.0	0.8	1.8	0.0	0.0	0.0	0.7
No Response	2.2	4.2	0.4	2.6	0.0	0.0	0.0	1.0
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<u>B. General Satisfaction with Assistantship^b</u>								
Well Satisfied	53.3	52.2	48.0	36.0	58.4	66.7	63.9	49.7
Satisfied	37.8	30.4	43.9	50.0	35.4	33.3	27.8	41.2
Somewhat Dissatisfied	6.7	13.1	6.1	11.4	5.3	0.0	8.3	7.3
Thoroughly Dissatisfied	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.5
No Response	2.2	4.3	0.8	2.6	0.9	0.0	0.0	1.3
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

^a "Considering the time and effort you spend on your assistantship, how do you value this experience?"

^b "How pleased are you with your present assistantship?"

RJK:mhb--2/25/53

AN ANALYSIS OF THE CHARACTERISTICS, DUTIES
AND RESPONSIBILITIES OF GRADUATE ASSISTANTS
AT THE UNIVERSITY OF MINNESOTA

Part II. A Tabular Summary for Selected College
Groups of Graduate Assistants

Prepared by

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Bureau of Institutional Research
University of Minnesota

March, 1953

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Bureau of Institutional Research
 Survey of Faculty Activities
 c. Graduate Assistants

TABLE 1

DISTRIBUTION OF GRADUATE ASSISTANTS (RESPONDENTS),
 SPRING QUARTER, 1951, BY TYPE OF ASSISTANTSHIP AND BY COLLEGE.

College or Division	Type of Assistant			Total
	Teaching Ass't.	Research Ass't.	Admin. and Clin. Fellow	
Agriculture	17	94	1	112
Educ. and C.W.	38	8	2	48
I. T.	91	19	0	110
Medicine	32	13	45	90
S.L.A.	156	11	5	172
Prof. Schools	20	5	1	26
Gen. Admin. and Personnel	12	6	14	32
Total	366	156	68	590 ^(a)

(a) This total represents a 65 percent return on the 911 questionnaires sent out.

TABLE 2.

NUMBER OF TEACHING AND RESEARCH ASSISTANTS
 CLASSIFIED BY COLLEGE AND PER CENT TIME EMPLOYED

Per Cent Time Employed	College							Total
	Agri- culture	Educ. and C.W.	I. T.	Medi- cine	S.L.A.	Prof. Schools	Gen. Admin. and Pers.	
0	5	0	1	45	0	1	0	52
25	2	17	0	1	32	1	5	58
26-32	0	0	0	0	0	1	0	1
33	3	12	0	0	21	13	1	50
34-49	7	3	0	1	10	0	0	21
50	83	15	104	39	104	9	26	380
51-74	6	0	4	3	5	1	0	19
75	3	1	1	1	0	0	0	6
70-99	3	0	0	0	0	0	0	3
100	0	0	0	0	0	0	0	0
Total	112	48	110	90	172	26	32	590
Less than half time	17	32	1	47	63	16	6	182
Half time	83	15	104	39	104	9	26	380
More than half time	12	1	5	4	5	1	0	28

TABLE 3

Bureau of Institutional Research

GEOGRAPHIC SOURCES OF GRADUATE ASSISTANTS OF SELECTED COLLEGE GROUPS
CLASSIFIED BY COLLEGE AND PROPORTION OF TIME (UNIVERSITY OF MINNESOTA, 1951)

Home Address Before Coming to the University of Minnesota	Research	Assistants	Medical Fellows	Teaching Assistants			
	Agriculture 50% time N=67	Other Col- leges 50% time N=46	and Clinical Assistants N=45	Medicine 50% time N=30	I.T. 50% time N=91	Science, Lit., and the Arts 50% time N=90	25% time N=31
<u>Minnesota</u>	34.3%	45.6%	40.0%	56.7%	27.4%	44.4%	51.6%
<u>Out of State</u>	65.8	54.4	60.1	43.3	72.6	55.5	48.4
Surrounding preferred admission states ^a	9.0	8.7	11.1	6.7	11.0	13.3	--
Other Upper Midwest States ^b	19.4	17.4	6.7	10.0	20.9	20.0	12.9
Pacific and Mountain States ^c	3.0	4.4	6.7	--	9.9	3.3	--
South Central States ^d	4.5	--	11.1	--	--	2.2	3.2
Atlantic and New England States ^e	17.9	6.5	6.7	20.0	18.7	6.7	25.8
Canada and U. S. Territories	7.5	--	11.1	3.3	1.1	7.8	6.5
Other foreign countries	4.5	15.2	6.7	3.3	11.0	2.2	--
No home address indicated	--	2.2	--	--	--	--	--

^a States included are: North Dakota, South Dakota, Montana, Iowa, Wisconsin, Upper Michigan.

^b States included are: Lower Michigan, Illinois, Indiana, Ohio, Missouri, Nebraska, Kansas.

^c States included are: Washington, Oregon, California, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada.

^d States included are: Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, Texas.

^e States included are: Maine, New Hampshire, Vermont, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, Pennsylvania, Delaware, Maryland, Washington, D.C., Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

TABLE 4

THREE MEASURES OF LENGTH FOR GRADUATE ASSISTANTSHIP APPOINTMENTS OF SELECTED COLLEGE GROUPS CLASSIFIED BY TYPE OF ASSISTANTSHIP, DATE OF FIRST APPOINTMENT, LENGTH OF PRESENT APPOINTMENT, AND TOTAL EXPERIENCE (UNIVERSITY OF MINNESOTA, 1951)

Appointments	Research Assistants				Medical Fellows				Teaching Assistants					
	Agriculture 50% time N=67		Other Col- leges, 50% time N=46		and Clinical Assistants N=45		Medicine 50% time N=30		I.T. 50% time N=91		Science, Lit., and the Arts 50% time N=90		25% time N=31	
<u>Date of Original University of Minnesota Appointment</u>														
New appointments (1950-51)	13	19.4%	21	45.6%	7	15.6%	13	43.3%	48	52.7%	39	43.3%	18	58.1%
Experienced assistants														
Date of first appointment														
1949-50	30	44.8	11	23.9	21	46.7	7	23.3	22	24.2	31	34.4	11	35.5
1948-49	14	20.9	8	17.4	8	17.8	6	20.0	12	13.2	13	14.4	1	3.2
1947-48	8	11.9	5	10.9	6	13.3	2	6.7	8	8.8	2	2.2	-	-
Before 1947-48	2	3.0	1	2.2	2	4.4	2	6.7	1	1.1	4	4.4	-	-
No response	-	-	-	-	1	2.2	-	-	-	-	1	1.1	1	3.2
<u>Length of Present University of Minnesota Appointment</u> (Half-time equivalent)														
Less than one quarter	1.5		-	-	2.2		-	-	1.1		2.2		6.4	
One to three quarters	31.3		67.4		4.4		50.0		71.4		52.2		83.9	
Four to six quarters	23.9		10.9		17.8		23.3		16.5		34.4		9.7	
Seven to nine quarters	20.9		8.7		44.4		23.3		5.5		8.9		-	-
Ten or more quarters	19.4		10.9		28.9		3.3		5.5		2.2		-	-
No time given	3.0		2.2		2.2		-		-		-		-	-
<u>Total Length of All University of Minnesota Appointments</u> (Full-time equivalent)														
Less than one quarter	1.5		4.4		2.2		-		-		-		9.7	
One to three quarters	49.2		50.0		20.0		60.0		73.6		72.2		71.0	
Four to six quarters	34.3		28.3		37.8		33.3		17.6		22.2		9.7	
Seven to nine quarters	7.5		10.9		35.6		3.3		5.5		3.3		-	-
Ten or more quarters	-		-		-		-		-		-		-	-
No time given	7.5		6.5		4.4		3.3		3.3		2.2		9.7	

TABLE 5

YEARS IN WHICH GRADUATE ASSISTANTS OF SELECTED COLLEGE GROUPS WERE AWARDED BACHELOR'S DEGREES
CLASSIFIED BY TYPE OF APPOINTMENT AND FIVE-YEAR INTERVALS, (UNIVERSITY OF MINNESOTA, 1951)

Type of Appointment		Date of Bachelor's Degree				No Degree or No Response	Total
		Before 1940	1940-44	1945-49	1950-51		
<u>Research Assistants</u>							
Agriculture 50% time	N=67	3.0%	13.4%	65.7%	17.9%	-	100.0%
Other Colleges 50% time	N=46	6.5	17.4	47.8	21.7	6.5	99.9
<u>Medical Fellows and Clinical Assistants</u>							
	N=45	15.6	44.4	8.9	-	31.1	100.0
<u>Teaching Assistants</u>							
Medicine 50% time	N=30	3.3	20.0	63.3	13.3	-	99.9
I.T. 50% time	N=91	2.2	8.8	49.4	39.6	-	100.0
Science, Literature, and the Arts 50% time	N=90	-	16.7	68.9	14.4	-	100.0
25% time	N=31	6.5	12.9	51.6	29.0	-	100.0

TABLE 6
 EDUCATIONAL BACKGROUND OF SELECTED COLLEGE GROUPS OF GRADUATE ASSISTANTS, CLASSIFIED BY DEGREE EARNED,
 INSTITUTION AWARDED DEGREE, AND TYPE OF ASSISTANTSHIP (UNIVERSITY OF MINNESOTA, 1951)

Bureau of Institutional Research

Degree and Location of School	Research Assistants		Medical Fellows		Teaching Assistants		
	Agriculture 50% time N=67	Other Col- leges, 50% time N=46	and Clinical Assistants 50% time N=45	Medicine 50% time N=30	I.T. 50% time N=91	Science, Lit., 50% time N=90	and the Arts 25% time N=31
A. Bachelor's Degree							
University of Minnesota	28.4%	37.0%	26.7%	46.7%	20.9%	37.8%	38.7%
Other Minnesota Colleges	3.0	10.9	13.3	6.7	6.6	3.3	3.2
Out-of-state and Foreign Schools	68.6	47.8	46.7	46.7	72.5	58.9	58.1
No Degree or No Response	-	4.3	13.3	-	-	-	-
Total	100.0	100.0	100.0	100.1	100.0	100.0	100.0
B. First Graduate Work							
University of Minnesota							
New Students 1950-51	14.9	-	2.2	6.7	35.2	15.5	35.5
Enrolled before 1950-51	52.2	82.6	40.0	63.3	40.6	56.7	45.2
Out-of-state and Foreign Schools	26.9	17.4	51.1	23.3	13.2	21.1	16.1
No Response	6.0	-	6.7	6.7	11.0	6.7	3.2
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
C. First Graduate Degree							
University of Minnesota	25.4	32.6	33.3	23.3	8.8	26.7	19.4
Out-of-state and Foreign Schools	25.4	15.2	51.1	20.0	11.0	16.7	12.9
No Graduate Degree	43.3	52.2	11.1	50.0	70.3	50.0	64.5
No Response	6.0	-	4.4	6.7	9.9	6.7	3.2
Total	100.1	100.0	99.9	100.0	100.0	100.1	100.0

TABLE 7

PERCENTAGE OF GRADUATE ASSISTANTS OF SELECTED COLLEGE GROUPS SEEKING
SPECIFIED GRADUATE OR PROFESSIONAL DEGREES, CLASSIFIED BY TYPE OF APPOINTMENT
(UNIVERSITY OF MINNESOTA, 1951)

Type of Appointment	N	M.A. or M.S.	Ph.D.	Professional Degree	No Degree Sought	No Response
<u>Research Assistants</u>						
Agriculture 50% time	67	28.4%	71.6%	- %	- %	- %
Other Colleges 50% time	46	37.0	60.9	-	2.2	-
<u>Medical Fellows and Clinical Assistants</u>						
	45	44.4	20.0	-	26.7	8.9
<u>Teaching Assistants</u>						
Medicine 50% time	30	36.7	56.7	6.7	-	-
Institute of Technology, 50% time	91	38.5	60.5	-	-	-
Science, Literature, and the Arts						
50% time	90	50.0	47.8	-	1.1	1.1
25% time	31	71.0	25.8	-	-	3.2

TABLE 8
 CURRENT MAJORS AND MINORS OF GRADUATE ASSISTANTS
 OF SELECTED COLLEGE GROUPS, CLASSIFIED BY TYPE OF ASSISTANTSHIP (UNIVERSITY OF MINNESOTA, 1951)

Functional Subject Groups	Research Assistants Medical Fellows				Teaching Assistants		
	Agriculture	Other Col-	and Clinical	Medicine	I.T.	Science, Lit., and the Arts	
	50% time N=67	leges, 50% time N=46	Assistants N=45	50% time N=30	50% time N=91	50% time N=90	25% time N=31
A. Current Major							
Biological Sciences	43.3%	2.2%	- %	- %	- %	14.4%	9.7%
Education	-	8.7	-	-	-	4.4	12.9
Behavioral Sciences	1.5	26.1	-	-	1.1	12.2	35.5
Humanities	-	2.2	-	-	-	17.8	12.9
Basic Medical Science	1.5	13.0	15.6	93.3	-	2.2	3.2
Clinical Medicine and Dentistry	-	-	71.1	3.3	-	-	-
Chemical Sciences	-	2.2	-	-	52.7	-	-
Other Physical Sciences	1.5	30.4	-	-	46.2	17.8	9.7
Social Ecologies	8.9	15.2	-	-	-	29.0	12.9
Agricultural Sciences	43.3	-	-	-	-	-	3.2
No Graduate Work	-	-	13.3	3.3	-	2.2	-
Total	100.0	100.0	100.0	99.9	100.0	100.0	100.0
B. Current Minor							
Biological Sciences	38.8	2.2	-	6.7	-	7.9	9.7
Education	1.5	2.2	-	-	-	1.1	3.2
Behavioral Sciences	1.5	30.4	2.2	3.3	1.1	21.1	19.3
Humanities	-	4.4	-	3.3	-	13.3	6.5
Basic Medical Science	13.4	8.6	62.2	60.0	1.1	3.3	6.5
Clinical Medicine and Dentistry	-	-	6.7	-	-	-	-
Chemical Sciences	4.5	6.5	2.2	10.0	47.3	2.2	3.2
Other Physical Sciences	1.5	32.6	-	6.7	47.3	17.8	6.5
Social Ecologies	7.5	6.5	-	-	1.1	20.0	16.1
Agricultural Sciences	31.3	2.2	-	-	-	2.2	-
No Minor Reported	-	4.4	26.7	10.0	2.2	11.1	29.0
No Graduate Work	-	-	-	-	-	-	-
Total	100.0	100.0	100.0	100.0	99.9	100.0	100.0

Bureau of Institutional Research

TABLE 9

SUMMARY DISTRIBUTIONS OF THREE MEASURES OF ACADEMIC PROGRESS FOR SELECTED COLLEGE GROUPS OF GRADUATE ASSISTANTS

SPRING QUARTER CREDIT LOAD, 1951, AVERAGE NUMBER OF CREDITS CARRIED PER QUARTER, 1950-51;
AND TOTAL GRADUATE CREDITS EARNED TO JUNE, 1951, CLASSIFIED BY TYPE OF ASSISTANTSHIP (UNIVERSITY OF MINNESOTA)

Measures of Credit Load	Research Assistants			Teaching Assistants			
	Agriculture 50% time N=67	Other Col- leges, 50% time N=46	and Clinical Assistants N=45	Medicine 50% time N=30	I.T. 50% time N=91	Science, 50% time N=90	Lit., and the Arts 25% time N=31
A. <u>Spring Quarter Credit Load</u>							
High	16 hrs.	21 hrs.	19 hrs.	16 hrs.	16 hrs.	16 hrs.	18 hrs.
Q ₃	10	11	15	12	12	10	15
Median	7	9	14	10	10	9	11
Q ₁	2	6	11	6	7	5	6
Low	0	0	5	0	0	0	0
Per cent Registered for Thesis only	3.0%	4.3%	-	6.7%	2.2%	2.2%	3.2%
B. <u>Average Number of Credits Carried per Quarter in the Year 1950-51</u>							
High	16 hrs.	16 hrs.	17 hrs.	14 hrs.	16 hrs.	16 hrs.	16 hrs.
Q ₃	11	11	16	12	12	11	15
Median	8	8	14	11	11	8	11
Q ₁	6	6	11	9	7	6	8
Low	0	1	5	0	0	0	3
Per cent Registered for Thesis only	6.0%	2.2%	-	6.7%	1.1%	2.2%	3.2%
C. <u>Total Graduate Credits Earned to June, 1951</u>							
High	119 hrs.	145 hrs.	135 hrs.	139 hrs.	210 hrs.	135 hrs.	115 hrs.
Q ₃	84	96	81	99	83	82	73
Median	70	59	45	73	42	63	46
Q ₁	46	29	36	47	34	45	42
Low	10	12	28	11	16	10	18

TABLE 10
METHODS OF FINANCING GRADUATE STUDY REPORTED BY GRADUATE ASSISTANTS OF SELECTED COLLEGE GROUPS
(UNIVERSITY OF MINNESOTA, 1951)

Source of Income	Proportion of Income Received from Each Source ^a	Research Assistants		Medical Fellows & Clinical Assistants N=45	Teaching Assistants			
		Agriculture 50% time N=67	Other Colleges 50% time N=46		Medicine 50% time N=30	I.T. 50% time N=91	S.L.A.	
							50% time N=90	25% time N=31
1. Assistantship appointment (including tuition exemption)	None	- %	- %	- %	- %	- %	- %	- %
	Mean Per Cent	58.6(1)	53.5(1)	38.3(1)	56.6(1)	62.1(1)	57.2(1)	38.7(1)
	Half or More	67.2	63.0	42.2	60.0	70.3	60.0	32.2
2. Veterans' benefits or government allotment	None	49.2	65.2	71.1	60.0	64.8	55.6	71.0
	Mean Per Cent	18.4(2)	15.3(2)	8.6(4)	16.6(2)	11.9(2)	16.9(2)	9.8(3)
	Half or More	10.4	8.7	4.4	6.7	8.8	12.2	9.7
3. Earnings of spouse or relative (other than parents)	None	73.1	76.1	84.4	63.3	70.3	74.4	87.1
	Mean Per Cent	9.0(3)	8.8(3)	7.5(5)	11.4(3)	10.8(3)	7.8(3)	5.2(8)
	Half or More	9.0	8.7	8.9	13.3	13.2	6.7	3.2
4. Personal savings	None	56.7	63.0	55.6	63.3	65.9	62.2	58.1
	Mean Per Cent	6.2(4)	5.0(5)	15.6(2)	4.1(5)	4.6(4)	6.3(4)	7.1(4)
	Half or More	1.5	2.2	13.3	3.3	-	1.1	-
5. Help from family (parents, relatives, etc.)	None	88.1	80.4	84.4	76.7	79.9	85.6	61.3
	Mean Per Cent	2.0(5)	5.3(4)	5.9(6)	6.5(4)	3.4(5)	2.7(6)	11.2(2)
	Half or More	-	6.5	6.7	6.7	1.1	2.2	9.7
6. Off-campus part-time employment	None	92.5	91.3	86.7	80.0	91.2	85.6	77.4
	Mean Per Cent	0.8(8)	2.1(7)	2.3(9)	2.2(6)	1.2(7)	3.8(5)	6.1(6)
	Half or More	-	2.2	-	-	-	3.3	6.4
7. Scholarship, fellowship, grant-in-aid, etc.	None	91.0	97.8	77.8	100.0	96.7	95.6	83.9
	Mean Per Cent	1.8(6)	1.4(9)	12.2(3)	-(9.5)	0.6(9)	0.7(9)	5.5(7)
	Half or More	1.5	2.2	11.1	-	-	-	6.4

^a For each source of income and group of assistants three kinds of information are provided: (1) the proportion of the group deriving no support from that source; (2) the mean proportion of support derived from that source and its rank among other sources (shown in parentheses); (3) the proportion of the group deriving half or more of their support from given source.

TABLE 10 (Continued)

Source of Income	Proportion of Income Received from Each Source ^a	Research Assistants		Medical	Teaching Assistants			
		Agriculture	Other	Fellows &	Medicine	I.T.	S.L.A.	
		50% time N=67	Colleges 50% time N=46	Clinical Assistants N=45	50% time N=30	50% time N=91	50% time N=90	25% time N=31
8. Campus employment other than assistantships	None	95.5	91.3	91.1	93.3	92.3	90.0	82.6
	Mean Per Cent	0.2(10)	2.5(6)	2.1(10)	1.0(8)	1.2(8)	1.7(7)	6.1(5)
	Half or More	-	2.2	2.2	-	-	1.1	6.4
9. Loans	None	94.0	95.6	80.0	96.7	100.0	95.6	93.6
	Mean Per Cent	1.0(7)	0.9(10)	5.6(7)	1.7(7)	- (10)	0.4(10)	1.0(9)
	Half or More	-	-	4.4	3.3	-	-	-
10. Others ^b	None	97.0	89.1	97.8	100.0	95.6	92.2	96.8
	Mean Per Cent	0.7(9)	1.5(8)	3.3(8)	- (9.5)	1.3(6)	1.3(8)	0.4(10)
	Half or More	-	-	-	-	1.1	1.1	-

^a For each source of income and group of assistants three kinds of information are provided: (1) the proportion of the group deriving no support from that source; (2) the mean proportion of support derived from that source and its rank among other sources (shown in parentheses); (3) the proportion of the group deriving half or more of their support from a given source.

^b Typical "other sources" included: paid lectures; inherited income; writing for universities and magazines; tutoring; tour with University Theatre; farm income; income from rental property.

Bureau of Institutional Research
 TABLE 11
 REASONS CITED BY SELECTED COLLEGE GROUPS OF GRADUATE ASSISTANTS AS "IMPORTANT" IN INFLUENCING THEM TO
 ACCEPT ASSISTANTSHIP APPOINTMENTS, CLASSIFIED BY TYPE OF APPOINTMENT (UNIVERSITY OF MINNESOTA, 1951)

	Research Assistants		Medical Fellows		Teaching Assistants		
	Agriculture 50% time	Other Col- leges, 50% time	and Clinical Assistants	Medicine 50% time	I.T. 50% time	Science, Lit., and the Arts 50% time	and the Arts 25% time
	N=67	N=46	N=45	N=30	N=91	N=90	N=31
1. Reputation of University in field of special interest	88.1%	58.7%	86.7%	63.3%	60.4%	65.6%	74.2%
2. Reputation of adviser in field of special interest	49.2	47.8	64.4	46.7	36.3	45.6	35.5
3. Kinds of contacts provided with persons in special field	26.9	30.4	33.3	26.7	11.0	26.7	9.7
4. Proximity--nearest large graduate school	25.4	34.8	26.7	33.3	24.2	32.2	41.9
5. Part-time appointment helps cover costs	71.6	76.1	15.6	70.0	74.7	81.1	80.6
6. Urged to accept appointment by adviser	10.4	13.0	4.4	10.0	13.2	20.0	9.7
7. Former teacher was University of Minnesota graduate	10.4	--	2.2	3.3	7.7	5.6	--
8. Placement opportunities provided for graduates	9.0	10.9	4.4	6.7	8.8	4.4	3.2
9. Tuition exemption included with appointment	20.9	30.4	28.9	46.7	51.6	45.6	45.2
10. University of Minnesota bachelor's degree--wanted to continue in Graduate School	13.4	21.7	6.7	23.3	9.9	23.3	29.0
11. Lower financial costs	19.4	13.0	11.1	33.3	26.4	23.3	41.9
12. Provided opportunity to work with adviser	34.3	15.2	28.9	36.7	18.7	22.2	25.8
13. Others	10.4	15.2	17.8	20.0	9.9	11.1	9.7

TABLE 12
 PERCENTAGES OF GRADUATE ASSISTANTS OF SELECTED COLLEGE GROUPS INDICATING
 VARIOUS SOURCES OF INFORMATION WHICH LED THEM TO APPLY FOR
 THEIR FIRST AND PRESENT ASSISTANTSHIPS (UNIVERSITY OF MINNESOTA, 1951)

Sources of Information	Research Assistants		Medical Fellows	Teaching Assistants			
	Agriculture 50% time N=67	Other Col- leges, 50% time N=46	and Clinical Assistants N=45	Medicine 50% time N=30	I.T. 50% time N=91	Science, Lit., and the Arts 50% time N=90	25% time N=31
Professor suggested that I might assist him	11.9% (20.9%)	2.2% (30.4%)	0.0% (2.2%)	13.3% (30.0%)	3.3% (7.7%)	14.4% (14.4%)	19.4% (25.8%)
Requested to apply by University of Minnesota adviser	10.4 (17.9)	13.0 (28.3)	4.4 (11.1)	10.0 (10.0)	3.3 (11.0)	7.8 (18.9)	9.7 (29.0)
Requested to apply by University of Minnesota faculty member	7.5 (4.5)	2.2 (15.2)	2.2 (6.7)	10.0 (6.7)	5.5 (12.1)	11.1 (12.2)	12.9 (12.9)
Faculty member at another University suggested that I apply	7.5 (9.0)	2.2 (2.2)	4.4 (-)	3.3 (3.3)	25.3 (9.9)	11.1 (1.8)	- (3.2)
Faculty member at another University sought appointment for me	4.5 (3.0)	0.0 (4.4)	- (2.2)	- (-)	11.0 (7.7)	7.8 (2.2)	- (-)
Bulletin or other published notice	4.5 (7.5)	6.5 (8.7)	4.4 (8.9)	16.7 (3.3)	7.7 (15.4)	12.2 (10.0)	6.5 (3.2)
I wrote to ask about appointment possibilities	22.4 (28.4)	10.9 (4.4)	31.1 (26.7)	20.0 (10.0)	29.7 (16.5)	20.0 (24.4)	9.7 (12.9)
Assigned to position by departmental or college office	16.4 (14.9)	4.4 (6.5)	2.2 (8.9)	6.7 (23.3)	5.5 (11.0)	1.1 (12.2)	9.7 (12.9)
Learned of opening through fellow student or assistant	3.0 (3.0)	4.4 (13.0)	6.7 (6.7)	13.3 (3.3)	4.4 (3.3)	10.0 (8.9)	12.9 (19.4)
No response	37.3 (14.9)	52.2 (10.9)	44.4 (31.1)	30.0 (20.0)	41.8 (27.5)	37.8 (22.2)	41.9 (29.0)

TABLE 13 Bureau of Institutional Research
SUMMARY DISTRIBUTIONS OF ESTIMATED HOURS PER WEEK SPENT IN ASSISTANTSHIP RESPONSIBILITIES FOR TYPICAL AND
EXTREME WORK WEEKS FOR SELECTED COLLEGE GROUPS, CLASSIFIED BY TYPE OF APPOINTMENT
(UNIVERSITY OF MINNESOTA, 1951)

	Research Assistants			Medical Fellows		Teaching Assistants		
	Agriculture 50% time N=67	Other Col- leges, 50% time N=46	and Clinical Assistants N=45	Medicine 50% time N=30	I.T. 50% time N=91	Science, Lit., and the Arts 50% time N=90	25% time N=31	
<u>Low Week (on Campus Activities only)</u>								
High	50 hrs.	35 hrs.	92 hrs.	20 hrs.	20 hrs.	20 hrs.	17 hrs.	
Q3	22	20	55	15	12	15	6	
Median	15	15	50	10	10	10	4	
Q1	6	10	40	9	8	8	4	
Low	0	0	0	6	0	0	0	
<u>Average Week (on Campus Activities only)</u>								
High	55	45	96	76	30	28	30	
Q3	27	23	60	20	15	20	14	
Median	22	20	50	15	12	15	12	
Q1	20	20	45	12	10	12	10	
Low	0	5	0	0	4	3	2	
<u>Average Week (on and off Campus Activities Combined)</u>								
High	67	45	98	76	40	35	20	
Q3	30	24	74	20	16	20	12	
Median	22	20	65	19	12	18	10	
Q1	20	20	56	15	12	15	8	
Low	9	5	30	8	4	8	5	
<u>High Week (on Campus Activities only)</u>								
High	75	60	99	50	48	70	40	
Q3	45	37	85	25	20	26	16	
Median	38	30	70	20	15	20	11	
Q1	30	21	50	19	12	15	8	
Low	0	15	0	8	6	4	3	

TABLE 15

Bureau of Institutional Research

CONDITIONS OF EMPLOYMENT REPORTED BY SELECTED COLLEGE GROUPS OF
GRADUATE ASSISTANTS IN PER CENT^a (UNIVERSITY OF MINNESOTA, 1951)

Conditions of Employment	Research Assistants		Medical Fellows	Teaching Assistants			
	Agriculture 50% time N=67	Other Col- leges, 50% time N=46	and Clinical Assistants N=45	Medicine 50% time N=30	I.T. 50% time N=91	Science, Lit., 50% time N=90	and the Arts 25% time N=31
A. Specificity of Work Instructions							
Detailed instructions	1.5%	2.2%	6.7%	10.0%	1.1%	3.3%	9.7%
Fairly detailed instructions	17.9	17.4	15.6	33.3	34.1	30.0	41.9
General instructions	67.2	65.2	60.0	63.3	60.4	57.8	51.6
Expected to work out own plans	23.9	23.9	17.8	3.3	6.6	5.6	3.2
No response	-	4.4	2.2	-	2.2	-	-
B. Interference with Graduate Work							
A great deal of interference	-	4.4	13.3	10.0	-	2.2	3.2
Some interference	41.8	28.3	13.3	50.0	34.1	46.7	22.6
Seldom interferes, or "Little interference"	31.3	23.9	24.4	33.3	41.8	37.8	54.8
No interference	26.9	43.5	44.4	6.7	24.2	13.3	19.4
No response	1.5	-	4.4	-	1.1	1.1	-
C. Relation of Superior to Graduate Adviser							
Work directly for major adviser	74.6	39.1	42.2	40.0	17.6	30.0	19.4
Work directly for minor adviser	1.5	4.4	4.4	-	-	-	3.2
Work indirectly for major or minor adviser	9.0	13.0	22.2	20.0	18.7	8.9	19.4
Work for someone else	7.5	41.3	6.7	33.3	57.1	58.9	45.2
No response	7.5	4.4	28.9	6.7	9.9	6.7	12.9

^a Since assistants sometimes indicated more than one response on each of the above items totals exceed 100 per cent, e.g., some assistants are responsible to more than one person.

TABLE 16
 AVERAGE PERCENTAGES OF TIME SPENT IN RESPONSIBILITIES BY
 SELECTED COLLEGE GROUPS OF GRADUATE ASSISTANTS CLASSIFIED BY TYPE OF APPOINTMENT^a
 (UNIVERSITY OF MINNESOTA, 1951)

Duty Performed	Research Assistants		Medical Fellows	Teaching Assistants			
	Agriculture 50% time N=67	Other Col- leges, 50% time N=46	and Clinical Assistants N=45	Medicine 50% time N=30	I.T. 50% time N=91	Science, Lit., 50% time N=90	and the Arts 25% time N=31
Regular classroom teaching	1.2%	1.2%	2.4%	29.5%	25.8%	41.0%	17.9%
Other teaching responsibilities	0.6	4.1	6.0	30.1	42.6	34.4	45.0
Counseling and advising	0.1	0.1	0.2	0.6	1.1	9.5	3.9
Individual case work	-	2.7	69.9	-	0.3	0.1	-
Administrative responsibility	2.2	3.8	3.1	0.5	0.5	3.0	0.7
Clerical and routine office work	2.2	7.6	1.8	0.3	1.2	4.2	13.3
Research, writing, and other creative work	80.0	77.1	9.5	25.8	14.9	5.5	10.2
Other ^b	13.8	3.4	7.1	13.2	13.6	2.4	9.0
Totals	100.0	100.0	100.0	100.0	100.0	100.0	100.0

^a The average per cent of time has been adjusted proportionally to yield a total of 100 per cent for each type of assistantship. (Percentages had previously been coded in intervals of ten.)

^b Other responsibilities listed were general laboratory work, group testing, attending class lectures, answering routine requests for information, etc.

TABLE 18

PERCENTAGES OF GRADUATE ASSISTANTS OF SELECTED COLLEGE GROUPS INDICATING (1) CERTAIN AMOUNTS OF EXPERIENCE IN SELECTED ASSISTANTSHIP RESPONSIBILITIES AND (2) ESTIMATED RELEVANCE OF THESE RESPONSIBILITIES TO FUTURE WORK, CLASSIFIED BY TYPE OF APPOINTMENT (UNIVERSITY OF MINNESOTA, 1951)

Kind of Experience	Amount ^a	Research Assistants				Medical Fel- Agriculture Other Colleges 50% Time 50% Time		low's & Clin- ical Ass'ts.		Medicine		Teaching Assistants			
		N=67		N=46		N=45		N=30		N=91		N=90		N=31	
		Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.
A. Teaching Responsibilities															
1. Lecturing to students in class	much	3.0%	38.8%	4.4%	32.6%	8.9%	28.9%	23.3%	76.7%	18.7%	46.2%	31.1%	75.6%	12.9%	58.1%
	some	19.4	55.2	28.3	50.0	66.7	66.7	76.7	86.7	52.8	76.9	81.1	84.4	54.8	67.8
2. Handling group discussions	much	3.0	31.3	4.4	28.3	6.7	28.9	23.3	66.7	3.3	33.0	24.4	54.4	3.2	38.7
	some	23.9	55.2	23.9	52.2	57.8	68.9	53.3	77.7	27.5	71.4	57.8	77.8	35.5	54.8
3. Supervising laboratory work	much	4.5	23.9	19.6	23.9	6.7	17.8	83.3	66.7	71.4	47.2	38.9	34.4	29.0	29.0
	some	20.9	53.7	34.8	45.6	28.9	44.4	93.3	80.0	79.1	85.7	47.8	46.7	38.7	48.4
4. Presenting demonstrations	much	- -	20.9	6.5	8.7	11.1	24.4	56.7	56.7	3.3	20.9	4.4	24.4	6.4	25.8
	some	20.9	46.3	15.2	39.1	53.3	53.3	80.0	86.7	37.4	59.3	31.1	42.2	25.8	51.6
5. Tutorial work with individual students	much	1.5	13.4	4.4	10.9	13.3	15.6	6.7	26.7	6.6	20.9	8.9	25.6	3.2	38.7
	some	7.5	38.8	19.6	32.6	40.0	37.8	63.3	73.3	62.6	54.9	53.3	57.8	48.4	67.7
6. Proctoring examinations	much	- -	7.5	15.2	4.4	4.4	4.4	56.7	16.7	35.2	5.5	44.4	20.0	41.9	22.6
	some	13.4	25.4	28.3	23.9	40.0	8.9	90.0	53.3	73.6	27.5	84.4	53.3	71.0	48.4
7. Using and interpreting standardized tests	much	- -	10.4	8.7	17.4	6.7	17.8	6.7	6.7	3.3	11.0	8.9	18.9	- -	9.7
	some	4.5	20.9	15.2	28.3	17.8	24.4	20.0	33.3	11.0	28.6	28.9	48.9	6.4	29.0
8. Assisting in disciplinary control	much	- -	9.0	- -	2.2	4.4	8.9	10.0	16.7	1.1	5.5	5.6	17.8	3.2	6.4
	some	3.0	28.4	2.2	26.1	17.8	20.0	30.0	43.3	25.3	38.5	37.8	47.8	16.1	29.0

^a Much includes persons reporting "considerable experience" or "high relevance" to future work. Some combines persons reporting both "considerable" and "some" experience or both "high" and "some" relevance to future work.

RJK:mhb

TABLE 18 (Continued)

Bureau of Institutional Research

Kind of Experience	Amount ^a	Research Assistants				Medical Fel- lows & Clin- ical Ass'ts.				Teaching Assistants					
		Agriculture 50% Time N=67		Other Colleges 50% Time N=46		Medicine 50% Time N=30		I.T. 50% Time N=91		Science, Lit., and the Arts 50% Time N=90		25% Time N=31			
		Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.		
B. Preparation for Teaching															
1. Planning use of class time	much	3.0%	28.4%	4.4%	21.7%	2.2%	2.2%	16.7%	66.7%	12.1%	31.9%	33.3%	55.6%	12.9%	51.6%
	some	13.4	53.7	19.6	37.0	15.6	24.4	56.7	80.0	40.7	58.2	57.8	75.6	32.3	61.3
2. Preparing syllabus or other class materials	much	1.5	26.9	2.2	19.6	4.4	8.9	10.0	56.7	6.6	29.7	16.7	43.3	6.4	41.9
	some	13.4	52.2	19.6	34.8	17.8	31.1	46.7	70.0	20.9	56.0	43.3	70.0	19.4	54.8
3. Getting ready for demonstrations or laboratory work	much	1.5	20.9	8.7	19.6	8.9	11.1	63.3	63.3	20.9	26.4	21.1	24.4	12.9	41.9
	some	25.4	50.8	28.3	41.3	33.3	33.3	83.3	80.0	57.1	65.9	45.6	47.8	51.6	64.5
4. Writing test items	much	3.0	22.4	2.2	19.6	2.2	4.4	30.0	63.3	9.9	27.5	48.9	46.7	12.9	45.2
	some	13.4	40.3	26.1	41.3	24.4	33.3	76.7	80.0	48.4	51.6	76.7	75.6	58.1	64.5
5. Library work for faculty member	much	1.5	7.5	2.2	10.9	4.4	17.8	10.0	10.0	4.4	27.5	11.1	18.9	12.9	16.1
	some	19.4	34.3	10.9	21.7	22.2	33.3	16.7	30.0	18.7	61.5	23.3	44.4	25.8	48.4
6. Organizing course work	much	1.5	26.9	-	13.0	2.2	4.4	6.7	70.0	3.3	30.8	17.8	62.2	9.7	48.4
	some	9.0	50.8	13.0	39.1	17.8	28.9	43.3	76.7	26.4	60.4	41.1	74.4	19.4	58.1
7. Developing exams or other measures	much	1.5	26.9	6.5	19.6	2.2	8.9	13.3	56.7	7.7	24.2	33.3	52.2	22.6	45.2
	some	10.4	46.3	21.7	34.8	24.4	33.3	63.3	80.0	33.0	42.9	63.3	77.8	48.4	58.1
8. Correcting and grading papers and exams	much	6.0	17.9	8.7	15.2	6.7	6.7	60.0	33.3	70.3	20.9	71.1	41.1	54.8	35.5
	some	17.9	40.3	28.3	28.3	28.9	28.9	90.0	80.0	84.6	47.2	86.7	73.3	77.4	61.3

^a Much includes persons reporting "considerable experience" or "high relevance" to future work. Some combines persons reporting both "considerable" and "some" experience or both "high" and "some" relevance to future work.

TABLE 18 (Continued)

Kind of Experience	Amount ^a	Research Assistants				Medical Fel- lows & Clin- ical Ass'ts.		Teaching Assistants							
		Agriculture 50% Time N=67		Other Colleges 50% Time N=46		Ex.	Rel.	Medicine 50% Time N=30		I. T. 50% Time N=91		Science, Literature & the Arts 50% Time N=90		25% Time N=31	
		Ex.	Rel.	Ex.	Rel.			Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.
C. Counseling and Advising															
1. Advising students about educational problems	much	- -%	19.4%	2.2%	17.4%	6.7%	15.6%	- -%	33.3%	4.4%	18.7%	11.1%	48.9%	6.4%	48.4%
	some	9.0	50.7	23.9	34.8	35.6	35.6	23.3	66.7	33.0	45.0	64.4	74.4	48.4	54.8
2. Assisting students with program making	much	- -	16.4	2.2	15.2	- -	6.7	- -	26.7	3.3	13.2	10.0	41.1	- -	29.0
	some	7.5	50.8	13.0	30.4	8.9	20.0	6.7	63.3	12.1	37.4	34.4	67.8	19.4	48.4
3. Advising students about vocational problems	much	- -	11.9	2.2	10.9	- -	4.4	- -	20.0	1.1	6.6	7.8	31.1	3.2	25.8
	some	7.5	49.2	17.4	37.0	17.8	26.7	10.0	63.3	11.0	35.2	28.9	64.4	12.9	45.2
4. Advising students about personal problems	much	- -	10.4	4.4	10.9	2.2	8.9	- -	16.7	- -	4.4	6.7	22.2	- -	16.1
	some	7.5	35.8	15.2	34.8	22.2	37.8	16.7	53.3	8.8	27.5	30.0	62.2	16.1	41.9

^a Much includes persons reporting "considerable experience" or "high relevance" to future work. Some combines persons reporting both "considerable" and "some" experience or both "high" and "some" relevance to future work.

TABLE 18 (Continued)

Kind of Responsibilities	Amount ^a	Research Agriculture		Assistants Other Colleges		Medical Fel- lows & Clin- ical Ass'ts.		Medicine		Teaching Assistants					
		50% Time		50% Time		50% Time		50% Time		I. T.		Science, Literature & the Arts		25% Time	
		Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.
D. Professional Services and Relationships															
1. Working with colleagues in small groups	much	35.8%	58.2%	39.1%	52.2%	80.0%	80.0%	56.7%	80.0%	23.1%	62.6%	36.7%	63.3%	16.1%	41.9%
	some	64.2	71.6	54.4	58.7	91.1	91.1	93.3	90.0	61.5	79.1	72.2	85.6	45.2	58.1
2. Participating in staff meetings	much	7.5	46.3	10.9	41.3	53.3	62.2	3.3	60.0	1.1	47.2	20.0	51.1	3.2	25.8
	some	37.3	64.2	41.3	56.5	84.4	86.7	53.3	80.0	22.0	75.8	60.0	83.3	19.4	48.4
3. Contacting staff members in other departments	much	9.0	32.8	8.7	30.4	33.3	46.7	6.7	36.7	2.2	34.1	4.4	27.8	-	16.1
	some	52.2	65.7	34.8	54.3	84.4	84.4	33.3	76.7	18.7	70.3	30.0	62.2	19.4	48.4
4. Making hospital rounds	much	-	-	-	-	86.7	88.9	-	3.3	-	-	-	1.1	-	-
	some	-	-	-	-	95.6	95.6	3.3	10.0	1.1	-	-	1.1	-	-
5. Making surgical dressings	much	-	-	-	-	22.2	17.8	-	-	-	-	-	-	-	-
	some	-	1.5	-	-	33.3	26.7	-	-	-	-	-	-	-	-
6. Making medical or other case records	much	-	-	-	6.5	86.7	77.8	3.3	3.3	-	-	1.1	1.1	-	12.9
	some	-	-	6.5	8.7	91.1	91.1	6.7	10.0	-	4.4	1.1	2.2	6.4	12.9
7. Acting as consultant in special fields	much	3.0	32.8	2.2	32.6	62.2	88.9	-	33.3	1.1	33.0	2.2	20.0	6.4	19.4
	some	31.3	44.8	15.2	45.6	84.4	91.1	10.0	53.3	6.6	60.4	17.8	38.9	9.7	32.2
8. Speaking engagements	much	-	29.8	2.2	21.7	8.9	42.2	-	26.7	3.3	16.5	-	24.4	-	25.8
	some	20.9	53.7	10.9	50.0	44.4	73.3	10.0	53.3	8.8	63.7	15.6	58.9	22.6	48.4

^aMuch includes persons reporting "considerable experience" or "high relevance" to future work. Some combines persons reporting both "considerable" and "some" experience or both "high" and "some" relevance to future work.

RJK:mhb
3/11/53

TABLE 18 (Continued)

Kind of Responsibilities	Amount ^a	Research Assistants				Medical Fel- lows & Clin- ical Ass'ts.		Teaching Assistants							
		Agriculture 50% Time N=67		Other Colleges 50% Time N=46		Ex.	Rel.	Medicine 50% Time N=30		I. T. 50% Time N=91		Science, Literature & the Arts 50% Time N=90		25% Time N=31	
		Ex.	Rel.	Ex.	Rel.			Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.
E. Research and Writing															
1. Writing research reports	much	35.8%	74.6%	34.8%	76.1%	8.9%	28.9%	16.7%	63.3%	14.3%	75.8%	11.1%	56.7%	19.4%	51.6%
	some	74.6	83.6	76.1	84.8	51.1	71.1	56.7	83.3	37.4	91.2	26.7	70.0	29.0	58.1
2. Planning research reports	much	46.3	82.1	39.1	76.1	8.9	33.3	30.0	80.0	13.2	72.5	8.9	55.6	9.7	35.5
	some	83.6	88.1	76.1	84.8	55.6	68.9	63.3	86.7	37.4	87.9	24.4	68.9	22.6	51.6
3. Collecting data for research	much	68.7	79.1	67.4	71.7	15.6	40.0	43.3	80.0	23.1	76.9	17.8	56.7	22.6	45.2
	some	89.6	89.6	87.0	87.0	62.2	75.6	73.3	86.7	47.3	91.2	36.7	73.3	41.9	58.1
4. Analyzing literature in a special field	much	49.2	70.2	43.5	69.6	35.6	51.1	43.3	76.7	20.9	68.1	18.9	51.1	19.4	48.4
	some	73.1	85.1	76.1	84.8	71.1	82.2	76.7	86.7	40.7	89.0	38.9	74.4	32.2	58.1
5. Designing, building, and operating apparatus for research problems	much	20.9	50.7	34.8	52.2	2.2	13.3	20.0	56.7	23.1	67.0	4.4	26.7	3.2	25.8
	some	58.2	73.1	54.4	67.4	22.2	46.7	43.3	73.3	44.0	81.3	13.3	44.4	6.5	32.3
6. Analyzing data statistically	much	29.8	61.2	39.1	65.2	2.2	22.2	10.0	70.0	7.7	39.6	3.3	40.0	9.7	25.8
	some	65.7	83.6	73.9	80.4	24.4	57.8	60.0	83.3	13.2	78.0	22.2	64.4	29.0	48.4
7. Using a variety of research techniques	much	43.3	73.1	41.3	67.4	8.9	26.7	26.7	70.0	12.1	63.7	4.4	44.4	3.2	25.8
	some	85.1	88.0	82.6	80.4	33.3	53.3	63.3	83.3	34.1	83.5	21.1	62.2	22.6	51.6
8. Editorial work	much	4.5	22.4	10.9	23.9	2.2	20.0	3.3	16.7	-	17.6	5.6	26.7	12.9	25.8
	some	25.4	65.7	39.1	71.7	24.4	51.1	10.0	70.0	7.7	53.8	16.7	62.2	19.4	48.4

^a Much includes persons reporting "considerable experience" or "high relevance" to future work. Some combines persons reporting both "considerable" and "some" experience or both "high" and "some" relevance to future work.

RJK:mhb
3/11/53

TABLE 18 (Continued)

Kind of Responsibilities	Amount ^a	Research Assistants				Medical Fel- lows & Clin- ical Ass'ts.		Teaching Assistants							
		Agriculture 50% Time N=67		Other Colleges 50% Time N=46		N=45		Medicine 50% Time N=30		I. T. 50% Time N=91		Science, Literature & the Arts			
		Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.	Ex.	Rel.		
F. Administrative and Office Responsibilities															
1. Keeping class records	much	9.0%	28.4%	13.0%	19.6%	11.1%	8.9%	43.3%	40.0%	56.0%	26.4%	58.9%	36.7%	38.7%	29.0%
	some	25.4	55.2	39.1	43.5	46.7	33.3	83.3	76.7	80.2	60.4	87.8	74.4	83.9	71.0
2. Caring for equipment	much	29.8	31.3	8.7	10.9	6.7	8.9	46.7	50.0	26.4	34.1	13.3	17.8	12.9	12.9
	some	65.7	65.7	28.3	41.3	28.9	44.4	80.0	83.3	64.8	72.5	43.3	45.6	41.9	48.4
3. Developing and/or maintaining files	much	11.9	26.9	13.0	13.0	4.4	15.6	6.7	43.3	4.4	11.0	5.6	18.9	12.9	6.4
	some	44.8	62.7	37.0	50.0	28.9	48.9	40.0	63.3	17.6	48.4	37.8	54.4	35.5	41.9
4. Evaluating the work of others on staff	much	1.5	20.9	6.5	26.1	4.4	20.0	--	16.7	--	13.2	--	14.4	3.2	6.4
	some	11.9	49.3	19.6	47.8	33.3	48.9	3.3	56.7	3.3	45.1	13.3	46.7	3.2	22.6
5. Preparing business or other forms	much	1.5	10.4	4.4	15.2	2.2	2.2	--	10.0	--	11.0	2.2	10.0	--	9.7
	some	17.9	46.3	21.7	34.8	17.8	33.3	10.0	40.0	5.5	33.0	15.6	34.4	12.9	19.4
6. Answering correspondence	much	7.5	37.3	--	23.9	17.8	20.0	--	20.0	--	15.4	2.2	18.9	3.2	6.4
	some	40.3	62.7	30.4	52.2	60.0	66.7	26.7	60.0	11.0	49.4	26.7	55.6	19.4	45.2
7. Routine clerical assignments	much	3.0	1.5	13.0	2.2	11.1	6.7	--	3.3	1.1	3.3	12.2	6.7	12.9	6.4
	some	17.9	32.8	37.0	23.9	28.9	17.8	13.3	16.7	12.1	22.0	41.1	38.9	35.5	22.6

^a Much includes persons reporting "considerable experience" or "high relevance" to future work. Some combines persons reporting both "considerable" and "some experience" or both "high" and "some" relevance to future work.

RJK:mhb
3/11/53

TABLE 19
 TWO EVALUATIONS OF GRADUATE ASSISTANTSHIPS OF SELECTED COLLEGE GROUPS
 BY TYPE OF APPOINTMENT IN PER CENT (UNIVERSITY OF MINNESOTA, 1951)

Bureau of Institutional Research

Question	Research Assistants		Medical Fellows	Teaching Assistants			
	Agriculture 50% time N=67	Other Col- leges, 50%time N=46	and Clinical Assistants N=45	Medicine 50% time N=30	I.T. 50% time N=91	Science, Lit., 50% time N=90	and the Arts 25% time N=31
A. Value of Assistantship in Time and Effort Spent^a							
Well spent	65.7%	63.0%	77.8%	43.3%	29.6%	54.4%	54.9%
Some value	31.3	34.8	20.0	46.7	55.0	35.6	25.8
Small value	3.0	2.2	-	10.0	13.2	10.0	16.1
Time wasted	-	-	-	-	1.1	-	3.2
No response	-	-	2.2	-	1.1	-	-
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
B. General Satisfaction with Assistantship^b							
Well satisfied	62.7	52.2	53.3	53.3	36.2	51.1	32.3
Satisfied	32.8	39.1	37.8	36.7	51.7	43.3	48.4
Somewhat dissatisfied	4.5	6.5	6.7	3.3	8.8	5.6	16.1
Thoroughly dissatisfied	-	-	-	6.7	1.1	-	-
No response	-	2.2	2.2	-	2.2	-	3.2
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0

^a "Considering the time and effort you spend on your assistantship, how do you value this experience?"

^b "How pleased are you with your present assistantship?"