

UNIVERSITY OF MICHIGAN
OFFICIAL PUBLICATION

VOL. 51, NO. 104

JUNE 29, 1950

Report of
The Registrar of the University
1948-1949

Reprinted from the President's Report
for 1948-1949, University of Michigan

ANN ARBOR, MICHIGAN
PUBLISHED BY THE UNIVERSITY

THE REGISTRAR OF THE UNIVERSITY

To the President of the University:

SIR—The year 1948-49 represented a third postwar year of increased enrollment at the University of Michigan. In resident credit programs, 27,897 students were enrolled; in extramural credit and professional programs, 5,328 students were enrolled, making a net total enrollment in credit and professional programs of 32,770.

The University also offers courses in extramural noncredit programs, including extension courses in class and correspondence work. These noncredit programs had enrollments totaling 12,901, making a grand total enrollment in the University of 45,671 for the academic year ended June 30, 1949.

A total of 6,158 degrees was granted, a record high for one year, thereby increasing the total number of degrees granted by the University to 129,322. In addition the University granted 11 honorary degrees, 73 diplomas and certificates of graduation, 621 certificates of specialization, and 62 commissions; 6,925 degrees and certificates in all were conferred from July 1, 1948, to June 30, 1949.

The office of the Registrar has made every effort to assure a program of services as complete as possible to the schools and colleges of the University. In February, 1949, an election and grade study report was made for 1947-48 showing the number of elections and semester hours by schools and departments, as well as the distribution of grades in undergraduate courses, for eight schools and colleges of the University. This service had been carried on regularly for many years prior to World War II, but was discontinued on account of the war. The report was received with interest by the deans, departmental chairmen, and other members of the various faculties, who were able to compare enrollments and grades in their own groups with those in other units of the University. The following table for 1947-48 showing over-all undergraduate grade distribution in per cent was included in this report:

A	B	C	D	E (failure)	Inc.
15.9	36.1	37.7	7.1	2.2	1.0

With 89.7 per cent of all grades showing C or better and with an over-all grade point average of 2.57, this record speaks well for the work of undergraduate students at the University.

Entered as second-class matter at the Post Office at Ann Arbor, Michigan. Issued semi-weekly, by the University of Michigan.

The University published 195,900 course announcement bulletins under twenty titles for distribution to prospective students. In addition, there were numerous departmental and extension course bulletins issued under the "University of Michigan Official Publication" announcing special institutes and extension and correspondence study work. It is encouraging to report that all of the various announcements of the schools and colleges have been issued much earlier than heretofore in the calendar year and consequently have been made available to prospective students in a more satisfactory manner.

ADMISSIONS DIVISION

Entrance examinations.—For many years the University has been receiving the results of examinations taken under the supervision of the College Entrance Examination Board and has used these reports as a part of the total records of incoming freshmen. Although the University does not definitely require C.E.E.B. examinations, any applicant who elects to write examinations must present the results as part of the record.

Upon recommendation of the Registrar, the University made application for membership in the College Entrance Examination Board, which was approved at the meeting of the Board in October, 1948. One leading state university, now a member of the C.E.E.B., has discontinued offering its own entrance examinations and now asks the candidates who are required to take examinations for admission to use the C.E.E.B. examinations instead. This may be a step for the University of Michigan to consider in the future since, under our present second method of admission by certificate and by examination, we require only a few applicants for admission to qualify by passing entrance examinations.

During the year 1948-49 the University conducted examinations at three regular periods, and, in all, seventy-three applicants were examined. In August, 1948, thirty-one candidates wrote subject-matter examinations, and twelve others were given scholastic aptitude tests. During January, six applicants took the subject-matter examinations, and two were given the aptitude tests. The third examination period for the year 1948-49 was held in June, 1949. At this time twenty-two students took the subject entrance examinations. For the entire year there were fifty-nine students with unsatisfactory grades in certain subjects who tried to qualify for entrance by passing examinations in these subjects. Fourteen applicants whose high-school records made us doubt their preparedness to undertake the freshman program were given the opportunity to strengthen their records by obtaining good scores in the aptitude tests.

Number of students per Michigan secondary schools.—Of the 606 accredited high schools in Michigan, 312 were represented by the 1,387 freshmen who entered from Michigan in September, 1948. Schools represented by only one student numbered 128, and each of fifty-five schools was repre-

sented by only two students. The high schools represented by the largest number of students were as follows: Ann Arbor High School, 59 students; Central High School, Detroit, 48 students; Grosse Pointe High School, 44 students; Cass Technical High School, Detroit, 31 students; and MacKenzie High School, Detroit, 25 students.

The following tabulation shows the total number of freshmen admitted without previous college experience grouped by veteran and nonveteran status, sex, and period of admission. The figures are given for the two years to show the unusual drop in the number of veterans admitted on the freshman level.

**FRESHMEN WITHOUT PREVIOUS COLLEGE EXPERIENCE GROUPED BY
VETERAN STATUS, SEX, AND PERIOD OF ADMISSION**

Veteran Status	Sex	1947-48 Freshman Admissions			1948-49 Freshman Admissions		
		Summer	Fall	Spring	Summer	Fall	Spring
Total . . .	Total . . .	36	1,828	188	21	2,085	222
	Men . . .	29	1,159	144	19	1,318	155
	Women . .	7	669	44	2	767	67
Veteran . .	Total . . .	17	245	56	5	160	34
	Men . . .	17	238	56	5	158	33
	Women . .	..	7	..	..	2	1
Non- veteran	Total . . .	19	1,583	132	16	1,925	188
	Men . . .	12	921	88	14	1,160	122
	Women . .	7	662	44	2	765	66

Tables showing freshman admissions, withdrawals, and averages are shown on pages 6-10.

Prognostic rating.—For the benefit of various University officers interested in the welfare of freshmen, it has been the practice of this office to make a prediction of the probable degree of each student's success in the University. These predictions have been particularly helpful to the academic counselors in the College of Literature, Science, and the Arts. For example, a relative low rating would prompt early contacts between the student and his faculty adviser. Oftentimes the conferences early in the semester result in better scholarship performance on the part of the student. The first semester of the freshman year is always a difficult period for the new student, and the sooner he becomes oriented to the University program, the more satisfactory the results will be at the end of the year.

In predicting the success of the students at the University, seven ratings have been used, A1 representing the highest group and A3, the lowest group. The table which follows gives the results of the predictions for the freshman class which entered in September, 1948, including freshmen in all colleges and divisions who completed the work of the first semester.

FALL, 1948, FRESHMEN

Registrar's Rating Group	Student Graded	Freshman Hours by Grade*							Per Cent of Each Grade						Grade Point Average
		Total	A	B	C	D	E	Inc.	A	B	C	D	E	Inc.	
Total ...	2,050	30,798	3,825	9,327	12,667	3,388	1,227	364	12.4	30.3	41.1	11.0	4.0	1.2	2.37
1	183	2,838	1,017	1,062	642	57	33	27	35.8	37.4	22.6	2.0	1.2	1.0	3.06
1 -	204	3,147	687	1,362	947	115	18	18	21.8	43.3	30.1	3.7	.6	.6	2.83
2 +	528	8,055	1,121	2,821	3,305	614	120	74	13.9	35.0	41.0	7.6	1.5	.9	2.53
2	671	10,008	703	2,761	4,616	1,358	479	91	7.0	27.6	46.1	13.6	4.8	.9	2.19
2 -	245	3,583	184	756	1,740	614	223	66	5.1	21.1	48.6	17.1	6.2	1.8	2.02
3 +	110	1,612	54	306	785	286	161	20	3.3	19.0	48.7	17.7	10.0	1.2	1.88
3	109	1,555	59	259	632	344	193	68	3.8	16.7	40.6	22.1	12.4	4.4	1.76

*Work completed, fall semester only

1948-1949 FRESHMAN ADMISSIONS*

BY

RESIDENCE, SEX, COLLEGE, AND ADMISSION PERIOD

University Group	Admission Period	Total Freshmen			Michigan Freshmen			Non-Michigan Freshmen		
		Total	Men	Women	Total	Men	Women	Total	Men	Women
Total freshmen	Year	2,328	1,492	836	1,515	946	569	813	546	267
	Summer	21	19	2	15	13	2	6	6	...
	Fall	2,085	1,318	767	1,387	850	537	698	468	230
	Spring	222	155	67	113	83	30	109	72	37
Arch. and Design	Year	98	58	40	66	36	30	32	22	10
	Summer	1	1	...	...	...	...	1	1	...
	Fall	91	53	38	60	32	28	31	21	10
	Spring	6	4	2	6	4	2	...	...	...
Dental Hygiene	Year	15	...	15	13	...	13	2	...	2
	Summer . . . . .	...	...	...	...	...	...	...	...	...
	Fall	15	...	15	13	...	13	2	...	2
	Spring . . . . .	...	...	...	...	...	...	...	...	...
Education	Year	37	21	16	17	10	7	20	11	9
	Summer . . . . .	...	...	...	...	...	...	...	...	...
	Fall	34	18	16	15	8	7	19	10	9
	Spring	3	3	...	2	2	...	1	1	...
Engineering	Year	460	454	6	284	282	2	176	172	4
	Summer	1	1	...	1	1	...	...	...	...
	Fall	418	412	6	256	254	2	162	158	4
	Spring	41	41	...	27	27	...	14	14	...

Forestry and Cons.....	Year.....	30	30	...	14	14	...	16	16	...
	Summer.....	...	...	...	...	...	...	...	...	...
	Fall.....	29	29	...	13	13	...	16	16	...
	Spring.....	1	1	...	1	1	...	...	...	...
Lit., Sci., and Arts.....	Year.....	1,525	872	653	1,008	568	440	517	304	213
	Summer.....	16	14	2	11	9	2	5	5	...
	Fall.....	1,340	753	587	922	511	411	418	242	176
	Spring.....	169	105	64	75	48	27	94	57	37
Music.....	Year.....	82	31	51	49	17	32	33	14	19
	Summer.....	1	1	...	1	1	...	...	...	...
	Fall.....	80	30	50	47	16	31	33	14	19
	Spring.....	1	...	1	1	...	1	...	...	...
Nursing.....	Year.....	40	...	40	36	...	36	4	...	4
	Summer.....	...	...	...	...	...	...	...	...	...
	Fall.....	40	...	40	36	...	36	4	...	4
	Spring.....	...	...	...	...	...	...	...	...	...
Pharmacy.....	Year.....	41	26	15	28	19	9	13	7	6
	Summer.....	2	2	...	2	2	...	...	...	...
	Fall.....	38	23	15	25	16	9	13	7	6
	Spring.....	1	1	...	1	1	...	...	...	...

*Only those students who entered without having had previous education at the college level have been considered. Students who withdrew during the first week of the summer session or the first two weeks of the fall or spring semester have not been included.

GRADES EARNED BY 1948 FALL FRESHMEN FOR EACH SEMESTER

Schools and Colleges	Students Graded	Semester Hours							Grade-Point Average*
		A	B	C	D	E	I & X	Total	
		First Semester, 1948-49							
Total	2,050	3,825	9,327	12,667	3,388	1,227	364	30,798	2.37
Per Cent.....		12.4	30.3	41.1	11.0	4.0	1.2		
Arch. and Design	91	101	412	685	135	39	27	1,399	2.29
Per Cent.....		7.2	29.4	49.0	9.6	2.8	1.9		
Dental Hygiene.....	15	21	50	79	.....	.....	...	150	2.61
Per Cent.....		14.0	33.3	52.7	.....	.....	...
Education.....	33	11	121	249	79	18	1	479	2.06
Per Cent.....		2.3	25.3	52.0	16.5	3.8	.1		
Engineering.....	408	864	1,952	2,427	660	411	76	6,390	2.35
Per Cent.....		13.5	30.5	38.0	10.3	6.4	1.2		
Forestry and Cons.....	29	61	147	140	57	21	12	438	2.40
Per Cent.....		13.9	33.6	32.0	13.0	4.8	2.7		
L., S., and A.....	1,317	2,490	5,970	8,006	2,194	647	196	19,503	2.39
Per Cent.....		12.8	30.6	41.1	11.2	3.3	1.0		
Music.....	80	243	524	430	57	13	8	1,275	2.73
Per Cent.....		19.1	41.1	33.7	4.5	1.0	.6		
Nursing.....	40	8	49	374	117	52	...	600	1.74
Per Cent.....		1.3	8.2	62.3	19.5	8.7	...		
Pharmacy.....	37	26	102	277	89	26	44	564	2.03
Per Cent.....		4.6	18.1	49.1	15.8	4.6	7.8		

	Second Semester, 1948-49								
Total	1,909	3,643	9,161	12,821	2,439	714	344	29,122	2.44
Per Cent.....		12.5	31.5	44.0	8.4	2.5	1.2		
Arch. and Design	86	104	393	690	100	44	16	1,347	2.31
Per Cent.....		7.7	29.2	51.2	7.4	3.3	1.2		
Dental Hygiene.....	15	12	28	75	30	5	...	150	2.08
Per Cent.....		8.0	18.7	50.0	20.0	3.3	...		
Education.....	33	26	99	284	62	15	6	492	2.12
Per Cent.....		5.3	20.1	57.7	12.6	3.0	1.2		
Engineering.....	384	971	1,877	2,407	485	232	106	6,078	2.48
Per Cent.....		16.0	30.9	39.6	8.0	3.8	1.7		
Forestry and Cons.....	28	61	132	170	23	26	15	427	2.43
Per Cent.....		14.3	30.9	39.8	5.4	6.1	3.5		
L., S., and A.....	1,231	2,203	5,904	8,354	1,591	365	187	18,604	2.43
Per Cent.....		11.8	31.7	44.9	8.6	2.0	1.0		
Music.....	74	186	476	432	57	15	10	1,176	2.65
Per Cent.....		15.8	40.5	36.7	4.8	1.3	.9		
Nursing.....	27	23	115	189	53	....	...	380	2.28
Per Cent.....		6.1	30.3	49.7	13.9	....	...
Pharmacy.....	31	57	137	220	38	12	4	468	2.41
Per Cent.....		12.2	29.3	47.0	8.1	2.6	.9		

*The scale used in figuring averages is A—4; B—3; C—2; D—1; E—0; I and X, disregarded.

FRESHMAN WITHDRAWALS FOR FALL, 1948, AND SPRING, 1949

University Group	Fall, 1948, Entrants									Spring, 1949, Entrants		
	Withdrawals During 1948 Fall			Withdrawals at the Close of 1948 Fall			Withdrawals During 1949 Spring			Withdrawals During 1949 Spring		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
All freshmen.....	35	26	9	91	65	26	50	23	27	2	1	1
Arch. and Design.....	..	..	..	1	..	1	4	2	2	..	..	..
Education.....	1	1	..	..	..	..	..	..	..	..	..	..
Engineering.....	10	10	..	19	19	..	5	4	1	1	1	..
Forestry and Cons.....	..	..	..	1	1	..	..	..	..	..	..	..
Lit., Sci., and Arts.....	22	13	9	59	37	22	27	17	10	1	..	1
Music.....	1	1	..	5	4	1	1	..	1	..	..	..
Nursing.....	..	..	..	..	..	..	13	..	13	..	..	..
Pharmacy.....	1	1	..	6	4	2	..	..	..	..	..	..

Principal-Freshman Conference.—Approximately 1,600 students who entered the University in the fall of 1948 direct from high school, or on transfer from junior college, were interviewed by their former superintendents, principals, teachers, and deans on the morning of November 9, 1948, in the Rackham Building. The 285 school representatives who came to Ann Arbor for the day to attend the twentieth annual Principal-Freshman Conference represented 138 high schools (125 in Michigan and thirteen in Illinois, Indiana, Ohio, Pennsylvania, and Wisconsin) as well as eight Michigan junior colleges.

Five-week progress reports of the freshmen furnished the principals, supplemented by questionnaires which the students filled out and brought with them, formed the basis of the individual conferences. Luncheon at noon at the Michigan League brought together the out-of-town visitors and those on campus whose duties bring them in contact with first-year students. After a word of greeting by President Ruthven, the afternoon program took the form of a panel discussion on the articulation of high-school and college English, which was led by Carlton Wells, Associate Professor of English. This was a revival of similar discussions at the conferences held some years ago. There was opportunity for all to participate in questions from the floor. Information gained through this annual meeting has a threefold purpose in helping (1) the students with problems and difficulties confronting them at the beginning of their college life; (2) the high schools in more adequately preparing future University students; and (3) the University in making the adjustment of first-year students less difficult.

Letters received from principals after the conference stated the value of the student interviews and the afternoon program to them and expressed the hope that discussions of this nature would continue in succeeding years. Opinions were also given regarding the suggestion made by a principal last year that the conference be postponed until after the first semester. A few saw merit in this proposal but most did not favor changing the time from the November date. To quote from three of the letters: (1) "I like the plan of holding the conference fairly early in the fall but after the students have been in the University long enough to get some idea of its problems and difficulties. College is still new enough for them so that they are glad to see someone from their high school. Their problems are still new enough so that they are vivid to them and they can give us these impressions while they are still fresh. We can perhaps help them a little in their adjustment and their suggestions are valuable to our own seniors when we can relay them back." (2) "Out of the six freshmen that I interviewed yesterday, two were definitely discouraged. I believe that I was in a position to give them advice and help of a very specific nature at a crucial time." (3) "If the student is failing or is having difficulties, they need to be corrected early, and it would be a mistake to wait until a later

date to get things straightened out. . . . in favor of holding the meetings before the winter weather sets in with accompanying ice and snow."

Five principals from the Upper Peninsula whom distance prevented from attending the conference came to Ann Arbor on later days when other meetings brought them to this vicinity. Interviews with their former students were arranged for them in the Registrar's Office.

Regents-Alumni scholarships.—The Registrar's Office has continued to work in close co-operation with the Regents-Alumni Scholarship Committee in processing the applications for scholarships and in having them evaluated by the admitting officer before they are considered by the committee. Because most of the applications for admission and the scholarship blanks reach the Registrar's Office within a one-week period immediately before action should be taken by the committee, it is difficult to handle the work in a manner satisfactory to all concerned. It is hoped that in the future all necessary blanks may be submitted some time in advance of the deadline date, thus allowing adequate time for careful evaluations.

Reports to principals and letters to parents.—For the past twenty-five years, the Registrar's Office has sent reports to high-school principals of grades for the first semester for all freshman students entering in the fall of each year. These reports are mailed to the principals promptly after the close of the first semester, together with class averages in all freshman courses, thus enabling the principals to determine the individual standing of their own graduates with the freshman class as a whole. We also continued the policy adopted in 1931 of sending commendatory letters to parents of freshmen who secured grades of B or better in the courses of the freshman year. This year 231 such letters were sent, representing more than 11 per cent of the freshman class.

Honor award.—The eleventh annual honor award was granted as follows:

This is to certify that, among the groups of students entering the University of Michigan in the year 1948 from the high schools of the state of Michigan, the group from Rockford High School by its combined record has received first honors for excellence in scholarship during the first semester of resident study.

In making the above award, the records of students entering in February, June, and October, were considered. The grade point average for this group shows 3.21, which is well above a B average.

High schools which have received the award previously are as follows:

- 1938 Lincoln High School, Ferndale-Pleasant Ridge School District
- 1939 Three Rivers High School
- 1940 Grand Rapids Central High School
- 1941 Lansing Central High School
- 1942 Benton Harbor High School
- 1943 Ishpeming High School

- 1944 Traverse City High School
- 1945 Iron River High School
- 1946 Central High School of Detroit
- 1947 Creston High School of Grand Rapids

Honors Convocation.—On April 29, 1949, at the conclusion of his address at the twenty-sixth annual Honors Convocation in Hill Auditorium, James Bryant Conant, President of Harvard University, received the honorary degree of Doctor of Laws. With the exception of graduate students, there were approximately the same number of honor students as were included in last year's convocation. A large increase, however, in the names reported from the Horace H. Rackham School of Graduate Studies raised the total to more than 50 per cent above that for the previous year. The honor students of 1949 were grouped as follows.

	TOTAL	MEN	WOMEN
Undergraduate students—at least half A and half B average.....	671	501	170
Seniors.....	199	63	262
Juniors.....	100	21	121
Sophomores.....	97	41	138
Freshmen.....	105	45	150
Graduate students.....	823	678	145
Medical School—at least half A and half B average			
Seniors.....	11	0	11
Law School—at least half A and half B average			
Seniors.....	11	0	11
Juniors.....	11	1	12
Others—outstanding achievements	645	144	789
Special awards.....	136	104	32
Total citations.....	1,630	1,283	347
Duplicates*.....	53	42	11
Total students honored.....	1,577	1,241	336

*One woman and five men with three entries in the program have been counted twice.

Preparing the printed program, issuing invitations to students and their families, and arranging for the exercises were handled as usual in this office, inasmuch as the Registrar is secretary of the Honors Convocation Committee. An innovation this year was the sending of a program to each of 145 high-school principals in Michigan with a list of the graduates of his school whose names appeared in the undergraduate listings of the program.

Publications.—At the September, 1948, meeting of the Board of Regents the continued annual publication of the list of graduates and the list of students was authorized. These two publications, the *Register of Staff and Graduates* and the *Register of Students*, are the responsibility of this office and appear in print in the fall following the close of the fiscal year which they cover. For the first time this year the *Register of Students* was lithographed, and this method proved more economical in proofreading, in printing time, and in cost. The *Register of Staff and Graduates* gives a complete list of the academic staff and affiliated organizations and also a list of graduates by schools and colleges. The card file, maintained in this office, from which this register is compiled, is used also in checking all University official publications and the *Regents' Proceedings*.

The Registrar's Office prepares a third official publication, the *Directory*, and is responsible for collecting and editing copy. As the book serves campus personnel not only as a telephone directory but in many other ways, it is necessary to have titles correctly stated and to issue the *Directory* in a minimum amount of time. With the co-operation of the department offices which furnish copy, the directories are ready for distribution one month after the beginning of the first semester.

RECORDS DIVISION

This division serves as the recording agency for the following seven units on the campus as well as for the Extension Service (including Correspondence Study), the College of Literature, Science, and the Arts, the College of Architecture and Design, the School of Music, the School of Forestry and Conservation, the School of Public Health, the School of Education, and the College of Pharmacy, which was included in the group at the beginning of the second semester. The recording work was distributed as follows: about 2,400 records for seniors in four units were divided among three recorders. Six other members maintained the remaining resident student records, or nearly 1,300 records apiece. The Extension Service, having grown to more than 2,700 credit-receiving students, required the equivalent time of two full-time staff members. The records of the College of Pharmacy were distributed among the regular staff members. Correspondence records and those for the English Language Institute were maintained by a recorder whose time is divided between the Records and Transcript offices.

The work of each member of the staff was greatly aided and made more enjoyable as a result of the efficient facilities of the new Administration Building.

Throughout the year a staff member was assigned to the information window. In addition to assisting the students in their business with this office, the staff member helped students and visitors in locating other offices

in the new Administration Building. This employee also was responsible for revising the listing of courses offered in the various units for each semester so that the other recorders could have an accurate copy from which to post the permanent records. One out of five students whose records are kept in this office changed elections during the first half of each period of residence. Thus, approximately 2,000 change of election cards were used in correcting the election cards each semester, a task directed and in great measure accomplished by the window assistant. Registration material is handed out by this person before registration time. After the beginning of classes she processes those students who through special permission have been allowed to register late. Changes of name by marriage or court action and changes of address were recorded by this assistant.

Grade-posting.—The grades were processed through the Statistical Division; the course cards were then delivered with the grades to the Tabulating Office where the actual grade posting lists were run. These alphabetized IBM lists of students and their grades were received each day, until all grades had been turned in by the faculty.

The accurate posting of the earned grades and their honor points to the record is of vital importance. At the same time the credits earned were totaled and the record audited, not only for the current semester but for the over-all total.

After the end of the summer session, approximately 6,500 grades were handled by this office, and more than 86,000 grades were processed during the regular year.

With the return to Commencement at the regular time and with nearly twice the prewar enrollment in the units served by this office, grade-posting in June presents a most difficult situation. The work was expedited by assigning two helpers to each senior recorder, and the actual graduating senior grades were posted in a separate group by them from special supplementary lists of daily grades. The graduating students' records also were added and audited separately. It was necessary to rearrange the examination schedule, and separate listings of the graduating seniors were sent to each instructor in order to have the grades received in time for Commencement. After all the records had been completed, this office made up a list of those students who elected a full-time program, i.e., no less than twelve hours of work in a regular semester, and who received an A grade for each course elected. The total number of all A records is as follows: summer session, 1948, 135; first semester, 1948-49, 88; second semester, 1948-49, 97; grand total, 320.

Immediately upon completion of a record, transcripts were ordered for both the student and his dean. These were sent out without delay so that each student in the units served by this office had a complete record of his work within a few days after his last examination. The files of the deans were also kept up to date.

Disciplinary actions.—After each registration period a check was made for “illegal entries,” such as entry without health examination, nonpayment of loans or fees, and cases of academic discipline not reinstated by the schools. The proper authorities were notified concerning the errors discovered.

At the end of each semester, during grade-posting, the totals of every record in the units served by this office were examined to determine the academic disciplinary cases to be brought to the attention of each school. Some were removals from “discipline”; others were to be placed on “discipline”. The discipline committee of each school acted upon its own cases, and their decisions were posted to the appropriate records. Prints were sent to the students and also to the deans of each school, and a chart was compiled containing the number of discipline cases, handled each day for each school. This chart showed an enrollment of 9,156 for 1948-49, with 1,359 discipline cases. Many of these so-called discipline cases indicated only slight grade-point shortages. Others were cases of reinstatement with clear records. Less than 5 per cent were required to withdraw.

Concentration program.—Students in the College of Literature, Science, and the Arts were admitted to the field of their choice upon completion of sixty semester hours with a grade average of at least C, satisfying foreign language and group requirements as well as a proficiency in English composition.

A review of each record was made about the middle of each semester in order to determine what students would become eligible at the end of each semester or summer session. It was the duty of two members of the staff to make a thorough inspection of the elections and the total number of hours earned in each of the three groups, and to figure the exact number of hours elected, hours passed, and honor points earned on the first program and those extended to the second program.

The divisions on the records were made immediately following the grade-posting period. Such a division actually signified “graduation” from the first program and admission to junior standing and to the last half of the degree work. When a student has passed twenty-four hours on his second program he is classed as a senior. After the completion of the work on the records, prints were made and sent to each student with printed forms of “Admission to Candidacy for a Degree,” which were completed by him and his adviser and then returned to the office of the Registrar for posting.

Early in each semester a count was made of the number of students in each of the fields of concentration. This count was made into a table and sent to the advisers and other officials in the University. The table on pages 18-19 lists the number of students in the College of Literature, Science, and the Arts concentrating in the various fields during the school year of 1948-49 and the number of graduates by fields of concentration from July 1, 1948, to June 30, 1949.

Graduation requirements.—Three members of the staff served as recorders for the seniors of the College of Literature, Science, and the Arts, the School of Education, the School of Music, and the School of Public Health. In doing so, they not only accomplished the regular process of record-keeping but also checked all of the senior records for graduation requirements. Deficiencies noted were called to the attention of the students in personal interviews, making it possible for students to rearrange their programs to meet the graduation requirements at the earliest possible date. Records of students in the graduate divisions of music and public health were also maintained by these same three staff members. A tentative list of candidates for graduation was prepared for all centralized units and was distributed for the use of the diploma clerk and student body during the sixth week of each semester and the fourth week of the summer session. After the final grades were posted, the records were checked for completion of graduation requirements, and those of students eligible for graduation with distinction were coded to facilitate final approval after grade-posting. Departmental honors were posted, and the final list was prepared for the several deans to be forwarded to the Board of Regents for granting of degrees. A final Commencement Day in June results in a period of extreme pressure, owing to the short length of time in which to post the final grades and to complete the records sufficiently early to enable a final listing to be printed at that time. Transcripts were prepared and sent out with the diplomas. This service was greatly appreciated by the graduating seniors. Prints were also sent to the deans of the units concerned.

Transcripts.—Two assistants processed most of the transcript requests throughout the year. At the end of each grade-posting period the volume is so large that it is necessary to supply extra help to pull and refile records and to assist with the mailing. The improved physical conditions in the Administration Building, such as more convenient office arrangement for the employees and students requesting transcripts, vault space for both current and noncurrent records, and the Photographic Service situated in the same building, have greatly aided the work of this department. In addition to regular transcript work, the clerks were called upon to make out many letters of certification to be sent to the State Department and to the draft boards at the request of foreign students and nonveteran men.

NUMBER OF STUDENTS CONCENTRATING IN THE VARIOUS FIELDS IN THE COLLEGE OF LITERATURE,
SCIENCE, AND THE ARTS, 1948-49

NUMBER OF GRADUATES BY FIELDS FROM JULY 1, 1948, THROUGH JUNE 30, 1949

Field of Concentration	First Semester, 1948-49				Second Semester, 1948-49				Number of Graduates		
	Juniors	Seniors	Total	Change from 1st Sem. 1947-48	Juniors	Seniors	Total	Change from 2d Sem. 1947-48	Men	Women	Change from Previous Year
Anthropology.....	7	7	14	-13	3	8	11	-10	3	8	-4
Astronomy.....	...	1	1	-2	...	2	2	-1	2	1	2
Botany.....	2	12	14	-3	3	12	15	-5	7	8	5
Chemistry.....	29	71	100	-54	19	70	89	-57	71	21	-16
Economics.....	64	129	193	-4	33	130	163	-37	126	25	4
English.....	63	162	225	-60	55	161	216	-65	74	105	6
Fine Arts.....	4	2	6	-2	2	2	4	-4	1	2	-5
French.....	6	11	17	-12	1	10	11	-16	6	6	-12
Geography.....	5	14	19	-23	6	9	15	-25	14	5	-17
Geology.....	10	22	32	-7	14	21	35	-1	28	2	-5
German.....	9	17	26	4	4	16	20	-8	7	9	6
Greek.....	...	1	1	...	...	3	3	2	2	...	1
History.....	44	113	157	-5	39	114	153	-44	85	43	26
Honors in History.....	...	...	...	...	...	...	...	...	...	...	...
Honors in Liberal Arts.....	3	9	12	-6	1	9	10	-4	5	3	1
Journalism.....	24	61	85	-6	21	63	84	-9	48	20	8
Latin.....	1	4	5	-3	1	4	5	...	1	3	-2
Latin-American Studies.....	...	2	2	...	...	3	3	...	2	...	...
Letters and Bus. Admin.....	4	4	8	...	2	2	4	-6	3	...	-3
Letters and Dentistry.....	...	...	...	...	...	...	...	...	...	...	...
Letters and Forestry.....	...	...	...	...	...	...	...	...	...	...	...
Letters and Law.....	31	38	69	8	26	40	66	-7	1	...	-39

Letters and Medicine.....	1	32	33	13	...	33	33	14	27	2	6
Letters and Nursing.....	...	1	1	1	...	...	...	-1	...	1	1
Library Science.....	...	4	4	-25	...	3	3	-34	5	13	-25
Mathematics.....	17	29	46	-2	11	42	53	6	34	13	3
Medical Technology.....	8	5	13	5	2	8	10	2	...	5	1
Mineralogy.....	...	...	...	-1	...	...	...	-1	...	...	-1
Music.....	1	3	4	-3	...	6	6	-1	1	7	1
Old Plan.....	...	2	2	...	...	...	...	-3	4	...	-2
Oriental Civilizations.....	...	5	5	-2	...	3	3	-4	2	2	1
Oriental Languages.....	1	5	6	1	...	1	1	-5	9	...	-8
Philosophy.....	7	14	21	6	2	11	13	2	11	2	4
Physics.....	10	26	36	5	5	23	28	2	28	...	7
Political Science.....	32	104	136	-4	33	107	140	-2	96	28	10
Pre-Medical.....	11	2	13	13	20	18	38	38	9	...	9
Psychology.....	40	99	139	-13	35	110	145	-23	69	61	33
Religion and Ethics.....	...	5	5	-1	...	5	5	...	1	4	4
Russian.....	...	7	7	-5	...	5	5	-4	2	5	5
Science and Mathematics.....	4	22	26	-18	1	23	24	-17	27	7	-19
Social Studies.....	6	13	19	1	3	18	21	4	5	8	1
Social Work.....	9	32	41	-6	7	33	40	-8	6	25	-2
Sociology.....	27	40	67	6	19	45	64	-9	15	34	17
Spanish.....	15	45	60	-26	10	43	53	-23	11	40	-8
Speech.....	43	95	138	-8	41	99	140	...	45	56	13
Urban and Rural Community.....	2	...	2	1	...	2	2	1	2	...	1
Zoology.....	83	128	211	-25	61	142	203	-27	103	38	27
Waived.....	...	19	19	-20	...	17	17	-10	48	...	-56
Not formally admitted.....	172	223	395	41	326	351	677	267	...	...	...
Total.....	795	1,640	2,435	-254	806	1,827	2,633	-133	1,046	612	-21

The number of transcripts issued and the amount of fees received each month from July 1, 1948, to June 30, 1949, follow:

Month	Transcripts	Amount Received	Month	Transcripts	Amount Received
July	1,133	\$175.50	January	1,119	\$318.50
August	8,573*	208.00	February	15,573†	357.50
September	1,358	267.00	March	2,949	260.50
October	1,095	205.00	April	1,200	220.50
November	1,179	292.50	May	1,307	244.00
December	1,147	295.00	June	25,510‡	244.50

Total number of transcripts 62,143
 Total amount received \$3,088.50

*Includes 7,333 prints for students, deans, and departments.

†Includes 12,764 prints for students, deans, and departments.

‡Includes 23,102 prints for students, deans, and departments.

The above totals represent an increase of 8,363 transcripts over the previous year and an increase of \$362 in receipts.

STATISTICAL SERVICE

ENROLLMENT

In 1948-49, 45,671 students were taught by faculty of the University of Michigan. This is a record enrollment, and it surpasses by 827 individuals the last record, established in 1947-48. Among the students were residents from every Michigan county, every other state, and more than seventy-five areas outside the continental United States. All walks of life were represented in the occupations of parents of students, and it is evident that a University education is available to families on all income levels.

The 45,671 students may be grouped as follows:

1. Students in degree or professional programs elected for resident credit 27,186
2. Students in short postgraduate programs offered, on campus, to doctors, dentists, or hospital trainees for the study of latest developments in their fields of work 711
3. Students in credit extension courses, offered in classes organized in Battle Creek, Bay City, Detroit, Escanaba, Flint, Grand Rapids, Holland, Muskegon, Pontiac, Port Huron, Saginaw, and some twenty other communities. Teachers and those interested in business, engineering, and other fields registered for these credit programs 3,656
4. Students in credit extension courses offered, through correspondence, to residents of Michigan and other states and areas outside the continental United States. These programs are elected by men in the Armed Forces, by veterans whose study programs were interrupted by the war, by invalids and physically handicapped persons in twenty-one sanatoria in the state, and by other ambitious students who cannot meet with a study group but who desire to continue their education on a credit basis 650

5. Students in extramural postgraduate programs in medicine, offered in fifteen permanent centers of the state in proximity to the homes of physicians, who take advantage of this teaching program to keep informed of essential advances in the general practice of medicine.	1,022
6. Students in adult education classes designed to assist the mature individual who is seeking continued study along lines not covered in regular credit programs of professional or general interest to him. These programs are conducted in some seventy-five communities of the state.	12,088
7. Students in extension noncredit courses, offered through correspondence to personnel of the United States Armed Forces, to veterans of World War II, and to other persons interested in further education at adult levels. With this group are included students whose high schools, because of limited teaching staff, cannot meet their need to entirely satisfy entrance requirements to universities or colleges and who, therefore, find it necessary to gain certain high school credits in this manner.	813
<hr/>	
Total number of different students served in formally organized study programs offered during 1948-49.	45,671

At the University of Michigan, for the entire year 1948-49, 821 (5.8 per cent) fewer veterans were enrolled in resident credit degree or postgraduate professional programs than were registered in the preceding year. The nonveterans in this same group increased in number to 1,526 (12.4 per cent). Although 1948-49 figures show a rapid decline in the veteran student population, the nonveterans more than made up for this loss, lending additional support to the general belief that University enrollments will continue at their present high level even though many veterans are rapidly completing their educational programs.

There were 3.0 men for every woman enrolled at the University of Michigan in resident credit programs during the regular session of 1948-49. In 1939-40, the prewar peak enrollment period, the ratio of men to women was 2.4 to 1.0 for the same enrollment group.

Unmarried students constituted 72.8 per cent of those registered in resident credit or professional programs during the first semester of 1948. Married students formed 26.2 per cent of this group and 1.0 per cent did not indicate marital status. Of the veterans, 61.1 per cent were unmarried, 38.0 per cent were married, and .9 per cent did not indicate. Among the nonveterans 85.2 per cent were unmarried, 13.6 per cent were married, and 1.1 per cent did not indicate marital status.

Geographical location.—Michigan residents constituted 22,294 (68.0%) of the 32,770 students enrolled in resident and extramural credit or professional programs during 1948-49. During the regular session, the seven counties adjoining Washtenaw sent 6,376 (41.6%) of the 15,336 resident students from Michigan. In the regular session of 1947-48, these counties sent 6,647 (43.6%) of the 15,246 resident students from Michigan. These figures show that more residents of the state were taught in resident credit programs by University of Michigan faculty during the regular session of

1948-49 than in 1947-48. An increased service to the residents of counties not bordering on Washtenaw offers satisfactory evidence that the University of Michigan gave more service to larger areas of the state in 1948-49 than it had the previous year.

Of the 32.0 per cent non-Michigan enrollees, there were 11.2 per cent registered from states, other than Michigan, in the North Central region of the United States, 10.6 per cent from the North Atlantic area, 2.4 per cent from the South Atlantic section, 2.1 per cent from the South Central states, 1.6 per cent from the Western area, and 4.1 per cent from areas outside continental United States. Every state in the Union was represented.

During the year 1948-49, 1,344 students, compared with 1,212 the year before, registered from areas outside the continental United States. The Far East sent 422 students, Latin America 387, Canada and Newfoundland 179, the Territories and Dependencies of the United States 148, the Near East 85, the British Isles and Europe 84, Africa 30, and Australia 9 students. In directing the education of these students, many of whom will return to their native lands as leaders in various fields, the University of Michigan plays an important role in the advancement of international understanding and world peace.

Enrollment by classes.—In the fall of 1948, 14,304 (67.0 %) of the students enrolled at the University of Michigan were registered for undergraduate work in undergraduate units. Of this number, 51.4 per cent were enrolled at the freshman and sophomore level. Figures from the preceding year show 14,241 (68.1%) in the undergraduate programs and 51.1 per cent registered at the freshman or sophomore level.

Enrollment tables.—Complete enrollment tables appear on pages 25 to 63 of this report. The summary includes both credit and noncredit registrations. The remaining tables deal with credit level enrollments only.

DEGREES CONFERRED

1948-49.—The record number of 6,158 degrees granted in 1948-49 also presents evidence that students are remaining in college to gain their objective. This figure is 357 greater than that of the previous record, established in 1947-48. Ten of the fourteen schools and colleges of the University showed gains in the number of degrees granted over the preceding year. The ratio of the number of degrees granted to the enrollment in each of the schools and colleges was approximately the same in 1948-49 as it had been in 1947-48. Of the 6,158 degrees conferred, 3,467 (56.3%) were bachelor's degrees granted in undergraduate units. The ratio of total degrees granted to

total students enrolled in degree or postgraduate professional programs has increased steadily until it reached 22.7 per cent in 1948-49. This means that one out of every five students enrolled during the year received a degree. This is the highest ratio for the past fifteen years.

ACADEMIC SUCCESS IN UNDERGRADUATE SCHOOLS AND COLLEGES

The scholarship average for the undergraduate student body for 1948-49 was more than halfway between a C and a B grade and was substantially the same as in the preceding year, being .01 of a grade-point lower. A similar statement holds for both men and women, the differences with the year before being .01 grade-point lower for men and .04 grade-point lower for women. (It should be noted that the averages were rounded to the second decimal place and it should be recalled that the ratio of men to women is better than three to one.)

Residents of women's co-operative houses raised their grade-point average .20 of a grade-point, the men in residence halls advanced their standing .02 of a grade-point, and the members of sororities and the independent men maintained the same average as the year before. The grade-point averages for other general student groups were somewhat lower than they had been the preceding period. The largest of these decreases was .13 of a grade-point.

Mary Markley House residents earned the highest average for the residence halls, with 2.79. For the larger residence halls, the students living in Martha Cook Building placed first, with an average of 2.77. The occupants of Winchell House led the groups in the men's residence halls, with the average of 2.65. Alpha Epsilon Phi members tied the highest average of any sorority for the past eleven-year period and placed in top position for the sororities, with an average of 2.86. Zeta Beta Tau members ranked first among the fraternities with an average of 2.72.

Records earned by those students in undergraduate units only were used for this study. Records for students in the schools of Dentistry, Law, Medicine, Public Health, and those for students in the Graduate division are omitted, since they represent study at the graduate or professional level. Students in the School of Nursing are competing scholastically upon a somewhat different basis than are students in other undergraduate divisions so that their records are not included.

Independent women honored for outstanding scholarship during the year 1948-49 were: freshman, Constance Newman (average 4.0); sophomore, Anne Joan Beck (average 3.9); junior, Alethea Kuebler (average 4.0).

The table on page 59 shows the academic success achieved by members of the various undergraduate student groups during the past two-year period.

ENROLLMENT REPORT BASIS

The usual procedures were followed in reporting the number of students registered at the University of Michigan during 1948-49. The year includes the 1948 summer session, the 1948-49 first semester, and the 1948-49 second semester.

In the summary, enrollments have been divided into groups as follows:

- I-A Includes students registered in degree or postgraduate professional resident credit level programs. The postgraduate registrations are in programs designed to acquaint practicing physicians, dentists, and hospital workers with the latest development in their fields. Although a degree is not the objective for this group, the instructional level is postgraduate.
- I-B Includes students registered in postgraduate professional programs of fewer than four weeks in the summer session and fewer than eight weeks during either semester. These are also credit level programs but are for shorter periods than for those registered in Group I-A.
- II-A1 Includes students registered for extension credit courses by classroom instruction. Although extension students do not enroll in the schools and colleges, they have been grouped according to University units from which instructors offering courses have been drawn.
- II-A2 Includes students registered for extension credit courses through correspondence work. All correspondence extension students actively enrolled during 1948-49 have been included though their actual registration may predate July 1, 1948.
- II-B Includes students registered for extramural postgraduate programs of short duration but of instructional level higher than that of first degree programs.
- III-A1 Includes students enrolled in noncredit classroom courses, offered because of popular demand and the apparent need for the service.
- III-A2 Includes students enrolled in the same type of programs as those in III-A1 who receive instruction through correspondence.

Extramural noncredit students in III are counted in the summary only. All other groups mentioned in the summary are included in the tables on geographical distribution of students, since they represent a service of instruction at university credit level to the people of the state, the nation, and areas outside continental United States. Geographical distributions are made according to the home address given by each student on his registration card.

In all tables except the geographic, students in I-B and II-B have been omitted because registrations in these groups are for a comparatively short period, and the University recognizes that they are not comparable to enrollments in courses of regulation length. Only those students who remained past the "total refund" period of one week in the summer session or two weeks in either semester have been included.

TABLE I
1948-49
ENROLLMENT SUMMARY

University Group	Total			Veteran			Nonveteran		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
I. Students in resident credit programs:									
A. Degree or postgraduate professional programs.....	27,186	19,691	7,495	13,352	13,049	303	13,834	6,642	7,192
B. Shorter postgraduate programs:									
1. Dentistry.....	176	170	6	75	75	.....	101	95	6
2. Medicine.....	529	513	16	263	262	1	266	251	15
3. Hospital training.....	6	.....	6	1	.....	1	5	.....	5
Net Total*.....	27,897	20,374	7,523	13,691	13,386	305	14,206	6,988	7,218
II. Students in extramural credit or professional programs:									
A. Extension									
1. Class.....	3,656	1,481	2,175	725	652	73	2,931	829	2,102
2. Correspondence.....	650	395	255	105	95	10	545	300	245
B. Postgraduate professional									
1. Medicine.....	1,022	987	35	396	393	3	626	594	32
Net Total*.....	5,328	2,863	2,465	1,226	1,140	86	4,102	1,723	2,379
Net total credit or professional programs*.....	32,770	22,939	9,831	14,732	14,349	383	18,038	8,590	9,448
III. Students in extramural noncredit programs:									
A. Extension									
1. Class.....	12,088	6,619	5,469	874	446	428	11,214	6,173	5,041
2. Correspondence.....	813	397	416	30	24	6	783	373	410
Net total noncredit programs....	12,901	7,016	5,885	904	470	434	11,997	6,546	5,451
Students enrolled in University instructional programs.....	45,671	29,955	15,716	15,636	14,819	817	30,035	15,136	14,899

*Deduction has been made for students registered in more than one program.

TABLE II

1948-49

RESIDENT STUDENTS IN DEGREE AND POSTGRADUATE PROFESSIONAL PROGRAMS*

1 Student Group		2 1948 Summer Session			3 First Semester			4 Second Semester		
		Total	Men	Women	Total	Men	Women	Total	Men	Women
Entire University	Net total†	10,182	7,372	2,810	21,363	16,132	5,231	20,358	15,374	4,984
	Veteran . .	5,832	5,678	154	11,008	10,793	215	10,268	10,071	197
	Nonvet. . .	4,350	1,694	2,656	10,355	5,339	5,016	10,090	5,303	4,787
Schools and Colleges: Arch. and Design	Total . . .	217	189	28	722	579	143	670	535	135
	Veteran . .	175	170	5	431	423	8	390	383	7
	Nonvet. . .	42	19	23	291	156	135	280	152	128
Business Administration	Total . . .	477	457	20	1,267	1,200	67	1,214	1,150	64
	Veteran . .	420	416	4	995	990	5	937	931	6
	Nonvet. . .	57	41	16	272	210	62	277	219	58
Dentistry	Net total .	58	54	4	450	378	72	417	346	71
	Veteran . .	45	45	.....	305	300	5	290	285	5
	Nonvet. . .	13	9	4	145	78	67	127	61	66
D.D.S. candidates	Veteran . .	43	43	.....	256	256	.....	249	249	.....
	Nonvet. . .	12	9	3	53	49	4	51	47	4
Hygienists	Veteran . .	.....	.....	.....	5	.....	5	5	.....	5
	Nonvet. . .	1	.....	1	63	.....	63	62	.....	62
Postgraduate	Veteran . .	2	2	.....	44	44	.....	36	36	.....
	Nonvet. . .	.....	.....	.....	29	29	.....	15	15	.....

Education	Total	166	59	107	460	185	275	489	176	313
	Veteran	52	49	3	139	131	8	129	120	9
	Nonvet.	114	10	104	321	54	267	360	56	304
Engineering	Total	1,325	1,316	9	3,837	3,814	23	3,478	3,461	17
	Veteran	1,100	1,099	1	2,615	2,615	.....	2,336	2,336	.....
	Nonvet.	225	217	8	1,222	1,199	23	1,142	1,125	17
Forestry and Cons.	Total	116	115	1	303	301	2	295	293	2
	Veteran	102	102	.....	222	222	.....	208	208	.....
	Nonvet.	14	13	1	81	79	2	87	85	2
Graduate	Total	3,969	2,545	1,424	4,164	2,935	1,229	4,304	3,090	1,214
	Veteran	1,785	1,737	48	2,014	1,969	45	2,126	2,084	42
	Nonvet.	2,184	808	1,376	2,150	966	1,184	2,178	1,006	1,172
Law	Total	513	511	2	1,058	1,034	24	945	925	20
	Veteran	486	485	1	928	927	1	825	824	1
	Nonvet.	27	26	1	130	107	23	120	101	19
Lit., Sci., and Arts.	Total	2,004	1,406	598	7,205	4,596	2,609	6,790	4,317	2,473
	Veteran	1,066	1,019	47	2,515	2,445	70	2,213	2,153	60
	Nonvet.	938	387	551	4,690	2,151	2,539	4,577	2,164	2,413
Medicine	Net total	357	341	16	785	723	62	795	728	67
	Veteran	293	291	2	570	564	6	563	555	8
	Nonvet.	64	50	14	215	159	56	232	173	59
M.D. candidates	Veteran	87	87	.....	323	322	1	320	319	1
	Nonvet.	45	31	14	147	94	53	145	92	53
Anesthetists	Veteran	2	.....	2	6	1	5	8	1	7
	Nonvet. . . . .	.....	.....	.....	1	.....	1	2	.....	2
Postgraduate: Graduate	Veteran	153	153	.....	133	133	.....	115	115	.....
	Nonvet.	4	4	.....	4	3	1	7	6	1
Postgraduate	Veteran	51	51	.....	108	108	.....	120	120	.....
	Nonvet.	15	15	.....	63	62	1	78	75	3

TABLE II (Cont.)

1948-49

RESIDENT STUDENTS IN DEGREE AND POSTGRADUATE PROFESSIONAL PROGRAMS*

1 Student Group		2 1948 Summer Session			3 First Semester			4 Second Semester		
		Total	Men	Women	Total	Men	Women	Total	Men	Women
Music.....	Total.....	623	322	301	579	275	304	533	257	276
	Veteran.....	225	220	5	171	165	6	166	160	6
	Nonvet.....	398	102	296	408	110	298	367	97	270
Nursing.....	Total.....	161	.....	161	234	.....	234	157	.....	157
	Veteran.....	.....	.....	.....	1	.....	1	.....	.....	.....
	Nonvet.....	161	.....	161	233	.....	233	157	.....	157
Pharmacy.....	Total.....	87	78	9	227	175	52	206	168	38
	Veteran.....	67	67	.....	109	109	.....	104	104	.....
	Nonvet.....	20	11	9	118	66	52	102	64	38
Public Health.....	Total.....	109	13	96	176	50	126	173	47	126
	Veteran.....	45	7	38	84	24	60	76	22	54
	Nonvet.....	64	6	58	92	26	66	97	25	72
Hospital Training.....	Total.....	36	.....	36	26	.....	26	25	.....	25
	Veteran.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nonvet.....	36	.....	36	26	.....	26	25	.....	25
Duplicates.....	Total.....	36	34	2	130	113	17	133	119	14
	Veteran.....	29	29	.....	91	91	.....	95	94	1
	Nonvet.....	7	5	2	39	22	17	38	25	13

*Part IA of the enrollment summary, Table I, indicates 27,186 students. This is the sum of columns 2, 3, 4, excluding duplicates.

†The net total for the entire University is the total for the schools and colleges less duplicate registrations.

TABLE III
1948-49
EXTRAMURAL STUDENTS IN CREDIT AND PROFESSIONAL PROGRAMS*

1 Student Group	2 Total Extension Class and Correspondence			3 Extension Class			4 Extension Correspondence				
	Total	Men	Women	Total	Men	Women	Total	Men	Women		
Net total credit extension and extra- mural postgraduate medicine.....	Total ...	5,328	2,863	2,465	4,678	2,468	2,210	650	395	255	
	Veteran .	1,226	1,140	86	1,121	1,045	76	105	95	10	
	Nonvet..	4,102	1,723	2,379	3,557	1,423	2,134	545	300	245	
Net total credit extension†.....	Total ...	4,306	1,876	2,430	3,656	1,481	2,175	650	395	255	
	Veteran .	830	747	83	725	652	73	105	95	10	
	Nonvet..	3,476	1,129	2,347	2,931	829	2,102	545	300	245	
Net total extramural postgraduate...	Total ...	1,022	987	35	1,022	987	35	...	...	...
	Veteran .	396	393	3	396	393	3	...	...	...
	Nonvet..	626	594	32	626	594	32	...	...	...
Schools and Colleges: Credit extension											
	Architecture and Design.....	Total ...	40	9	31	40	9	31
		Veteran .	9	5	4	9	5	4
		Nonvet..	31	4	27	31	4	27
Business Administration.....	Total ...	375	316	59	367	309	58	8	7	1	
	Veteran .	206	205	1	204	203	1	2	2	...	
	Nonvet..	169	111	58	163	106	57	6	5	1	
Education.....	Total ...	673	107	566	653	100	553	20	7	13	
	Veteran .	35	29	6	35	29	6	...	...	...
	Nonvet..	638	78	560	618	71	547	20	7	13	

TABLE III (Cont.)
1948-49
EXTRAMURAL STUDENTS IN CREDIT AND PROFESSIONAL PROGRAMS*

1 Student Group		2 Total Extension Class and Correspondence			3 Extension Class			4 Extension Correspondence		
		Total	Men	Women	Total	Men	Women	Total	Men	Women
Engineering.....	Total....	110	108	2	73	71	2	37	37	...
	Veteran..	48	48	...	37	37	...	11	11	...
	Nonvet..	62	60	2	36	34	2	26	26	...
Forestry and Conservation.....	Total....	33	27	6	27	21	6	6	6	...
	Veteran..	4	4	...	4	4	...	...	...	...
	Nonvet..	29	23	6	23	17	6	6	6	...
Graduate.....	Total....	487	186	301	486	186	300	1	...	1
	Veteran..	95	90	5	95	90	5	...	...	...
	Nonvet..	392	96	296	391	96	295	1	...	1
Literature, Science and the Arts....	Total....	2,504	1,158	1,346	1,920	816	1,104	584	342	242
	Veteran..	464	403	61	372	321	51	92	82	10
	Nonvet..	2,040	755	1,285	1,548	495	1,053	492	260	232
Music.....	Total....	103	25	78	103	25	78	...	...	...
	Veteran..	10	8	2	10	8	2	...	...	...
	Nonvet..	93	17	76	93	17	76	...	...	...
Nursing.....	Total....	44	...	44	43	...	43	1	...	1
	Veteran..	3	...	3	3	...	3	...	...	...
	Nonvet..	41	...	41	40	...	40	1	...	1

Public Health.....	Total ...	100	13	87	98	13	85	2	...	2
	Veteran ..	11	4	7	11	4	7	...	...	...
	Nonvet..	89	9	80	87	9	78	2	...	2
Duplicates.....	Total ...	163	73	90	154	69	85	9	4	5
	Veteran ..	55	49	6	55	49	6	...	...	...
	Nonvet..	108	24	84	99	20	79	9	4	5

*Part II of the enrollment summary, Table I, is the total of column 2.

†The net total for the entire University is the total for the schools and colleges less duplicate registrations.

TABLE IV
1948-49
RESIDENT AND EXTRAMURAL ENROLLMENT*

1 Student Group		2 Resident Students in Degree or Postgraduate Professional Programs						3 Resident and Extramural Students in Credit or Postgraduate Professional Programs		
		First and Second Semesters			Summer Session, First and Second Semesters			1948-49		
		Total	Men	Women	Total	Men	Women	Total	Men	Women
Entire University	Net total†	23,195	17,368	5,827	27,186	19,691	7,495	31,089	21,318	9,771
	Veteran . .	11,719	11,480	239	13,352	13,049	303	14,019	13,641	378
	Nonvet. . .	11,476	5,888	5,588	13,834	6,642	7,192	17,070	7,677	9,393
Arch. and Design.	Total . . .	770	616	154	810	643	167	850	652	198
	Veteran . .	455	447	8	479	469	10	488	474	14
	Nonvet. . .	315	169	146	331	174	157	362	178	184
Business Administration.	Total . . .	1,481	1,401	80	1,615	1,528	87	1,982	1,836	146
	Veteran . .	1,160	1,152	8	1,281	1,272	9	1,479	1,469	10
	Nonvet. . .	321	249	72	334	256	78	503	367	136
Dentistry.	Net total .	467	395	72	482	408	74	482	408	74
	Veteran . .	319	314	5	330	325	5	330	325	5
	Nonvet. . .	148	81	67	152	83	69	152	83	69
D.D.S. candidates.	Veteran . .	259	259	.....	270	270	.....	270	270	.....
	Nonvet. . .	53	49	4	57	51	6	57	51	6
Hygienists.	Veteran . .	5	.....	5	5	.....	5	5	.....	5
	Nonvet. . .	63	.....	63	63	.....	63	.....	63	.....
Postgraduate.	Veteran . .	55	55	.....	55	55	.....	55	55	.....
	Nonvet. . .	32	32	.....	32	32	.....	32	32	.....

Education	Total	566	216	350	670	241	429	1,340	348	992
	Veteran ..	164	153	11	183	171	12	218	200	18
	Nonvet. ...	402	63	339	487	70	417	1,122	148	974
Engineering.....	Total	4,078	4,055	23	4,298	4,274	24	4,398	4,372	26
	Veteran ..	2,767	2,767	.....	2,953	2,952	1	2,998	2,997	1
	Nonvet. ...	1,311	1,288	23	1,345	1,322	23	1,400	1,375	25
Forestry and Cons.....	Total	333	331	2	351	349	2	384	376	8
	Veteran ..	242	242	.....	258	258	.....	262	262	.....
	Nonvet. ...	91	89	2	93	91	2	122	114	8
Graduate.....	Total	5,178	3,582	1,596	7,300	4,732	2,568	7,661	4,846	2,815
	Veteran ..	2,440	2,387	53	3,191	3,111	80	3,234	3,150	84
	Nonvet. ...	2,738	1,195	1,543	4,109	1,621	2,488	4,427	1,696	2,731
Law.....	Total	1,066	1,042	24	1,218	1,192	26	1,218	1,192	26
	Veteran ..	935	934	1	1,079	1,077	2	1,079	1,077	2
	Nonvet. ...	131	108	23	139	115	24	139	115	24
Lit., Sci., and Arts.....	Total	7,803	5,001	2,802	8,638	5,530	3,108	11,040	6,622	4,418
	Veteran ..	2,685	2,610	75	3,021	2,928	93	3,446	3,296	150
	Nonvet. ...	5,118	2,391	2,727	5,617	2,602	3,015	7,594	3,326	4,268
Medicine.....	Net total.	850	783	67	995	916	79	995	916	79
	Veteran ..	607	599	8	707	699	8	707	699	8
	Nonvet. ...	243	184	59	288	217	71	288	217	71
M.D. candidates.....	Veteran ..	323	322	1	380	379	1	380	379	1
	Nonvet. ...	147	94	53	181	116	65	181	116	65
Anesthetists.....	Veteran ..	8	1	7	8	1	7	8	1	7
	Nonvet. ...	2	.....	2	2	.....	2	2	.....	2
Postgraduate: Graduate.....	Veteran ..	146	146	.....	179	179	.....	179	179	.....
	Nonvet. ...	7	6	1	9	8	1	9	8	1
Postgraduate.....	Veteran ..	130	130	.....	140	140	.....	140	140	.....
	Nonvet. ...	87	84	3	96	93	3	96	93	3
Music.....	Total	587	278	309	1,024	492	532	1,125	517	608
	Veteran ..	173	167	6	314	305	9	324	313	11
	Nonvet. ...	414	111	303	710	187	523	801	204	597

TABLE IV (Cont.)
1948-49
RESIDENT AND EXTRAMURAL ENROLLMENT*

1 Student Group		2 Resident Students in Degree or Postgraduate Professional Programs						3 Resident and Extramural Students in Credit or Postgraduate Professional Programs		
		First and Second Semesters			Summer Session, First and Second Semesters			1948-49		
		Total	Men	Women	Total	Men	Women	Total	Men	Women
Nursing.....	Total.....	238	.....	238	250	.....	250	292	.....	292
	Veteran ..	1	.....	1	1	.....	1	4	.....	4
	Nonvet....	237	.....	237	249	.....	249	288	.....	288
Pharmacy.....	Total.....	246	193	53	255	201	54	255	201	54
	Veteran ..	116	116	.....	122	122	.....	122	122	.....
	Nonvet....	130	77	53	133	79	54	133	79	54
Public Health.....	Total.....	202	50	152	275	62	213	375	75	300
	Veteran ..	91	24	67	112	31	81	123	35	88
	Nonvet....	111	26	85	163	31	132	252	40	212
Hospital Training.....	Total.....	26	.....	26	51	.....	51	51	.....	51
	Veteran ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nonvet....	26	.....	26	51	.....	51	51	.....	51
Duplicates.....	Total.....	696	575	121	1,046	877	169	1,359	1,043	316
	Veteran ..	436	432	4	679	671	8	795	778	17
	Nonvet....	260	143	117	367	206	161	564	265	299

*Part I-A of the enrollment summary, Table I, is the total of the second section of column 2.

Parts I-A and II-A of the enrollment summary, Table I, after allowance has been made for double registrations are the total of column 3.

†The net total for the entire University is the total for the schools and colleges less duplicate registrations.

TABLE V
1948-49
SINGLE TERM ENROLLMENT
RESIDENT STUDENTS IN DEGREE AND POSTGRADUATE PROFESSIONAL PROGRAMS*

1 Student Group		2 1948 Summer Session Only			3 First Semester Only			4 Second Semester Only		
		Total	Men	Women	Total	Men	Women	Total	Men	Women
Entire University	Net total†	3,991	2,323	1,668	1,832	1,243	589	1,647	1,136	511
	Veteran ..	1,633	1,569	64	800	777	23	636	613	23
	Nonvet. . .	2,358	754	1,604	1,032	466	566	1,011	523	488
Schools and Colleges: Architecture and Design .	Total	40	27	13	67	50	17	48	37	11
	Veteran ..	24	22	2	38	37	1	24	24	.....
	Nonvet. . . .	16	5	11	29	13	16	24	13	11
Business Administration .	Total	134	127	7	167	156	11	213	200	13
	Veteran ..	121	120	1	133	133	.....	165	162	3
	Nonvet. . . .	13	7	6	34	23	11	48	38	10
Dentistry	Net total .	15	13	2	48	47	1	15	15	.....
	Veteran ..	11	11	.....	28	28	.....	12	12	.....
	Nonvet. . . .	4	2	2	20	19	1	3	3	.....
D.D.S. Candidates	Veteran ..	11	11	.....	9	9	.....	2	2	.....
	Nonvet. . . .	4	2	2	2	2	.....	.....	.....	.....
Hygienists	Veteran ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nonvet. . . .	.....	.....	.....	1	.....	1	.....	.....	.....
Postgraduate	Veteran ..	.....	.....	.....	19	19	.....	10	10	.....
	Nonvet. . . .	.....	.....	.....	17	17	.....	3	3	.....

35

TABLE V (Cont.)
1948-49
SINGLE TERM ENROLLMENT
RESIDENT STUDENTS IN DEGREE AND POSTGRADUATE PROFESSIONAL PROGRAMS*

1 Student Group		2 1948 Summer Session Only			3 First Semester Only			4 Second Semester Only		
		Total	Men	Women	Total	Men	Women	Total	Men	Women
Education.....	Total....	104	25	79	58	26	32	105	31	74
	Veteran ..	19	18	1	21	20	1	25	22	3
	Nonvet...	85	7	78	37	6	31	80	9	71
Engineering.....	Total....	220	219	1	380	376	4	234	234	.....
	Veteran ..	186	185	1	259	259	.....	146	146	.....
	Nonvet...	34	34	.....	121	117	4	88	88	.....
Forestry and Cons.....	Total....	18	18	.....	23	23	.....	29	29	.....
	Veteran ..	16	16	.....	20	20	.....	19	19	.....
	Nonvet...	2	2	.....	3	3	.....	10	10	.....
Graduate.....	Total....	2,122	1,150	972	550	285	265	876	580	296
	Veteran ..	751	724	27	164	157	7	377	369	8
	Nonvet...	1,371	426	945	386	128	258	499	211	288
Law.....	Total....	152	150	2	29	25	4	5	5	.....
	Veteran ..	144	143	1	20	20	.....	4	4	.....
	Nonvet...	8	7	1	9	5	4	1	1	.....
Lit., Sci., and Arts.....	Total....	835	529	306	772	505	267	583	395	188
	Veteran ..	336	318	18	304	298	6	163	158	5
	Nonvet...	499	211	288	468	207	261	420	237	183

Medicine.....	Net total .	145	133	12	16	16	.....	57	52	5
	Veteran ..	100	100	.....	11	11	.....	29	27	2
M.D. candidates.....	Nonvet. . .	45	33	12	5	5	.....	28	25	3
	Veteran ..	57	57	.....	3	3	.....	.....	.....	.....
Anesthetists.....	Nonvet. . .	34	22	12	1	1	.....	.....	.....	.....
	Veteran ..	.....	.....	.....	.....	.....	.....	2	.....	2
Postgraduate: Graduate.....	Nonvet. . .	.....	.....	.....	.....	.....	.....	1	.....	1
	Veteran ..	33	33	.....	3	3	.....	6	6	.....
Postgraduate.....	Nonvet. . .	2	2	.....	.....	.....	.....	3	3	.....
	Veteran ..	10	10	.....	5	5	.....	21	21	.....
Music.....	Nonvet. . .	9	9	.....	4	4	.....	24	22	2
	Total . . .	437	214	223	35	15	20	6	3	3
Nursing.....	Veteran ..	141	138	3	3	3	.....	2	2	.....
	Nonvet. . .	296	76	220	32	12	20	4	1	3
Pharmacy.....	Total . . .	12	.....	12	25	.....	25	2	.....	2
	Veteran ..	.....	.....	.....	1	.....	1	.....	.....	.....
Public Health.....	Nonvet. . .	12	.....	12	24	.....	24	2	.....	2
	Total . . .	9	8	1	36	23	13	18	17	1
Hospital Training.....	Veteran ..	6	6	.....	10	10	.....	7	7	.....
	Nonvet. . .	3	2	1	26	13	13	11	10	1
Public Health.....	Total . . .	73	12	61	20	3	17	25	.....	25
	Veteran ..	21	7	14	10	2	8	7	.....	7
Hospital Training.....	Nonvet. . .	52	5	47	10	1	9	18	.....	18
	Total . . .	25	.....	25	1	.....	1	.....	.....	.....
Duplicates.....	Veteran ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nonvet. . .	25	.....	25	1	.....	1	.....	.....	.....
Duplicates.....	Total . . .	350	302	48	395	307	88	569	462	107
	Veteran ..	243	239	4	222	221	1	344	339	5
	Nonvet. . .	107	63	44	173	86	87	225	123	102

*Enrollment figures in Table V are included in Part I-A of the summary.

†The net total for the entire University is the total for the schools and colleges less duplicate registrations.

TABLE VI
1948-49
ENROLLMENT OF MICHIGAN AND NON-MICHIGAN STUDENTS

Student Group	Number of Students			Per Cent	
	Total	Mich- igan	Non- Mich- igan	Mich- igan	Non- Mich- igan
Resident and extramural students in credit or postgraduate professional programs.....	32,770	22,294	10,476	68.0	32.0
Resident students in degree and postgraduate professional programs:					
a) Net total first and second semesters.....	23,195	15,336	7,859	66.1	33.9
b) 1948 summer session.....	10,182	6,264	3,918	61.5	38.5
Extramural students in credit extension programs.....	4,306	4,057	249	94.2	5.8
Extramural students in postgraduate medicine and resident students in short postgraduate programs in medicine, dentistry, or hospital training.....	1,681	1,215	466	72.3	27.7
Resident and Extramural Students in Credit and Postgraduate Professional Programs			Students	Per Cent	
Michigan.....			22,294	68.03	
Other states.....			9,132	27.87	
Far East.....			422	1.29	
Latin America.....			387	1.18	
Canada and Newfoundland.....			179	.55	
Territories and dependencies of the United States.....			148	.45	
Near East.....			85	.26	
British Isles and Europe.....			84	.26	
Africa.....			30	.09	
Australia.....			9	.03	
Total.....			32,770	100.01	

TABLE VII
1948-49

RESIDENT STUDENTS IN CREDIT PROGRAMS AND EXTRAMURAL STUDENTS IN CREDIT OR PROFESSIONAL PROGRAMS*

68

1 Residence	2 Resident Enrollment in First and Second Semesters														3 Net Total, First and Second Semesters	4 1948 Summer Session	5 Credit Extension	6 Extramural Med. and Short P.C. in Med., Dent., or Hospital Training	7 Net Total, Students in Credit or Prof. Programs	
	Arch. and Design	Business Admin.	Dentistry	Education	Engineering	Forestry and Cons.	Graduate	Law	L., S., and A.	Medical	Music	Nursing	Pharmacy	Public Health						Hospital Training
Total students..	770	1,481	467	566	4,078	333	5,178	1,066	7,803	850	587	238	246	202	26	23,195	10,182	4,306	1,681	32,770
Total U. S.....	752	1,449	457	553	3,922	319	4,731	1,041	7,545	816	586	235	228	184	26	22,182	9,613	4,283	1,627	31,426
Total outside continental U.S.	18	32	10	13	156	14	447	25	258	34	1	3	18	18	..	1,013	569	23	54	1,344
United States: <i>North Atlantic.</i> <i>12.65 per cent†</i>	75	198	16	57	748	42	497	137	1,058	48	67	11	17	27	1	2,934	1,050	65	88	3,463
Connecticut....	1	14	..	2	42	5	21	13	47	2	4	..	1	3	..	153	53	5	2	182
Maine.....	..	2	1	1	..	..	4	3	5	..	2	1	..	..	..	19	9	2	..	24
Massachusetts..	4	21	..	7	57	6	59	17	95	6	4	1	2	4	..	272	84	5	9	319
New Hampshire	1	1	..	..	..	..	13	1	9	..	2	2	..	1	..	30	17	..	..	40
New Jersey....	15	27	1	10	89	7	41	10	131	9	12	3	..	2	..	349	106	9	3	390
New York.....	45	106	10	24	467	13	275	52	600	24	27	3	8	9	1	1,618	547	38	36	1,859
Pennsylvania...	8	26	4	12	86	9	76	37	158	7	26	1	5	8	..	455	217	6	38	600
Rhode Island...	1	1	..	..	4	..	2	1	6	..	..	..	..	..	..	15	8	..	..	22
Vermont.....	..	..	..	1	3	2	6	3	7	..	..	..	1	..	..	23	9	..	..	27

TABLE VII (Cont.)
1948-49

RESIDENT STUDENTS IN CREDIT PROGRAMS AND EXTRAMURAL STUDENTS IN CREDIT OR PROFESSIONAL PROGRAMS*

1 Residence	2 Resident Enrollment in First and Second Semesters														3 Net Total, First and Second Semesters	4 1948 Summer Session	5 Credit Extension	6 Extramural Med. and Short P.G. in Med., Dent., or Hospital Training	7 Net Total, Students in Credit or Prof. Programs	
	Arch. and Design	Business Admin.	Dentistry	Education	Engineering	Forestry and Cons.	Graduate	Law	L., S., and A.	Medical	Music	Nursing	Pharmacy	Public Health						Hospital Training
<i>South Atlantic</i> <i>2.01 per cent †</i>	15	29	5	9	60	11	133	24	129	20	28	..	3	9	..	466	358	37	40	784
Delaware.....	..	..	..	2	2	..	4	..	2	..	1	..	..	..	..	9	1	..	..	9
District of Col.	2	5	..	..	6	3	8	3	34	1	..	..	..	1	..	62	31	..	4	90
Florida.....	2	9	3	2	9	..	14	3	27	3	6	..	..	1	..	78	71	11	10	150
Georgia.....	2	4	..	1	3	..	16	3	3	4	4	..	..	1	..	40	31	3	2	64
Maryland.....	4	4	..	..	8	1	16	3	14	2	4	..	..	2	..	58	32	9	3	82
North Carolina.	2	..	..	1	2	1	18	3	4	3	7	..	..	..	..	41	64	3	4	104
South Carolina.	..	1	..	..	1	..	10	3	1	2	..	..	..	..	..	18	20	1	..	34
Virginia.....	3	1	..	1	12	3	27	2	16	2	3	..	..	1	..	70	60	8	1	117
West Virginia..	3	3	1	2	17	3	20	4	28	3	3	..	3	3	..	90	48	..	16	134
<i>North Central</i> <i>77.90 per cent</i>	643	1,189	431	478	3,021	249	3,878	821	6,220	709	418	220	203	127	25	18,069	7,616	4,125	1,443	25,966
Illinois.....	18	58	3	11	126	41	85	69	268	10	19	6	1	21	..	715	338	23	32	935
Indiana.....	17	15	3	5	23	5	46	28	106	5	19	4	1	4	..	279	134	6	28	383

Iowa	1	5	1	6	2	23	20	20	2	13	1	1	1	93	78	1	11	149		
Kansas	..	4	..	7	1	18	14	6	1	9	..	..	2	62	63	1	6	109	
Michigan	554	998	418	413	2,599	138	3,431	517	5,371	607	302	187	188	74	25	15,336	6,264	4,057	1,215	22,294
Minnesota	2	5	3	7	..	15	5	8	9	9	1	..	2	64	52	1	5	102		
Missouri	2	8	..	1	19	1	23	21	37	3	11	2	1	2	129	96	3	19	206	
Nebraska	1	5	..	1	3	..	13	9	10	2	5	..	..	..	46	30	2	9	71
North Dakota	1	4	..	1	..	2	4	5	..	..	1	..	1	..	18	9	..	3	27
Ohio	30	74	7	38	196	25	189	115	350	60	27	14	11	12	1,113	457	18	97	1,407	
South Dakota	3	3	..	..	4	2	7	6	5	..	2	..	..	..	30	13	..	4	38
Wisconsin	14	10	..	5	30	34	26	13	34	10	2	4	..	8	184	82	13	14	245	
South Central 1.57 per cent †	7	20	2	5	38	8	128	27	67	22	40	1	4	5	365	389	17	39	700	
Alabama	..	..	1	..	2	..	15	3	6	..	1	1	1	..	28	55	..	5	77
Arkansas	..	..	..	..	3	..	7	1	4	1	2	..	1	1	20	21	1	2	39
Kentucky	3	3	1	..	8	..	15	5	11	5	4	..	1	1	56	34	3	13	94	
Louisiana	2	2	..	1	3	..	18	1	4	..	4	..	..	1	35	52	1	..	81
Mississippi	..	3	..	..	1	2	4	2	4	..	1	..	..	..	17	17	2	2	33
Oklahoma	..	2	..	..	8	..	19	7	10	3	14	..	..	..	61	55	..	1	100
Tennessee	2	1	..	1	3	4	16	1	14	4	7	..	1	1	54	58	1	5	97	
Texas	..	9	..	3	10	2	34	7	14	9	7	..	..	1	94	97	9	11	179
Western 1.50 per cent †	12	13	3	4	55	9	95	32	71	17	23	3	1	16	348	200	39	17	513	
Arizona	1	..	..	..	4	..	..	1	4	..	..	1	..	4	15	6	1	1	20
California	1	5	..	1	32	4	46	9	26	4	8	1	1	2	138	70	28	6	207	
Colorado	1	1	1	1	4	1	14	5	9	2	3	..	..	5	45	22	1	3	60
Idaho	..	..	..	..	3	2	4	1	3	3	..	..	..	1	17	13	..	..	25
Montana	5	1	..	..	2	..	4	5	8	..	4	1	..	..	30	13	1	2	40
Nevada	..	..	..	..	1	..	..	1	1	..	..	..	..	..	3	2	..	..	5
New Mexico	..	..	..	1	..	..	3	..	4	2	..	..	..	1	11	12	2	1	21
Oregon	2	3	..	..	2	2	7	2	..	1	5	..	..	1	24	16	..	..	32
Utah	1	1	1	..	..	..	3	3	2	1	..	..	..	1	13	16	1	..	26
Washington	1	1	..	1	6	..	7	5	9	4	1	..	..	1	36	20	4	2	56
Wyoming	..	1	1	..	1	..	7	..	5	..	2	..	..	..	16	10	1	2	21

TABLE VII (Cont.)

1948-49

RESIDENT STUDENTS IN CREDIT PROGRAMS AND EXTRAMURAL STUDENTS IN CREDIT OR PROFESSIONAL PROGRAMS*

1 Residence	2 Resident Enrollment in First and Second Semesters													3 Net Total, First and Second Semesters	4 1948 Summer Session	5 Credit Extension	6 Extramural Med. and Short P.G. in Med., Dent., or Hospital Training	7 Net Total, Students in Credit or Prof. Programs			
	Arch. and Design	Business Admin.	Dentistry	Education	Engineering	Forestry and Cons.	Graduate	Law	L., S., and A.	Medical	Music	Nursing	Pharmacy						Public Health	Hospital Training	
Areas outside continental United States:																					
<i>Africa</i>			1		4		15		3	1			1	1			26	13		1	30
.11 per cent †																					
Algeria.....																				1	1
Egypt.....					3		14		1					1			19	10			21
Liberia.....													1				1				1
Morocco.....																		1			1
Sierra Leone.....									1								1				1
South Africa.....			1		1		1		1	1							5	2			5
<i>Australia</i>									2								2	1	1	6	9
.01 per cent †																					

<i>Canada and Newfoundland .50 per cent †</i>	2	3	4	6	12	3	52	1	25	2	..	3	2	5	..	116	58	13	26	179
Alberta .....	..	..	..	2	1	..	3	..	1	..	..	..	..	..	..	7	5	..	2	11
Br. Columbia ..	..	..	1	..	..	..	8	..	..	..	..	..	..	2	..	11	3	..	1	12
Manitoba .....	..	..	..	..	..	..	1	..	2	1	..	..	..	..	..	4	2	..	..	5
Newfoundland ..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	2	..	1	1	4
Nova Scotia .....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	4	..	..	5
Ontario	1	3	2	4	9	2	31	..	19	1	..	3	2	1	..	75	40	12	22	126
Pr. Edward Is. ..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	2	..	..	..	2
Quebec	1	..	..	..	..	..	7	..	2	..	..	..	..	..	..	9	2	..	..	9
Saskatchewan ..	..	..	1	..	..	1	1	..	1	..	..	..	..	1	..	5	2	..	..	5
<i>British Isles, Iceland, Europe .28 per cent</i>	1	4	..	..	17	1	25	..	9	9	..	..	..	1	..	66	28	2	5	84
Austria .....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	1
Belgium .....	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	2	..	..	..	2
Czechoslovakia ..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	2	..	..	..	2
Denmark .....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	1
England .....	..	..	..	..	1	..	3	..	1	1	..	..	..	..	..	6	3	1	2	9
Finland	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	2	2	..	..	3
France .....	..	1	2	..	3	1	2	..	2	..	..	..	..	..	..	9	3	..	..	10
Germany .....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	1
Greece .....	..	..	..	..	1	..	3	..	..	5	..	..	..	1	..	9	5	..	..	10
Hungary .....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	1
Iceland .....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..	2
Ireland .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	1
Italy .....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	1
Netherlands .....	..	2	..	..	2	..	5	..	1	..	..	..	..	..	..	10	4	..	..	11
Norway .....	..	..	..	..	7	..	1	..	..	..	..	..	..	..	..	8	3	..	1	11
Poland .....	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	2	1	..	..	2
Rumania .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
Scotland .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	1
Spain .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	2
Sweden .....	..	..	..	..	1	..	4	..	..	..	..	..	..	..	..	5	1	..	2	8
Switzerland .....	..	1	..	..	..	..	1	..	..	1	..	..	..	..	..	3	3	..	..	4

TABLE VII (Cont.)
1948-49

RESIDENT STUDENTS IN CREDIT PROGRAMS AND EXTRAMURAL STUDENTS IN CREDIT OR PROFESSIONAL PROGRAMS*

44

1 Residence	2 Resident Enrollment in First and Second Semesters													3 Net Total, First and Second Semesters	4 1948 Summer Session	5 Credit Extension	6 Extramural Med. and Short P.G. in Med., Dent., or Hospital Training	7 Net Total, Students in Credit or Prof. Programs		
	Arch. and Design	Business Admin.	Dentistry	Education	Engineering	Forestry and Cons.	Graduate	Law	L., S., and A.	Medical	Music	Nursing	Pharmacy						Public Health	Hospital Training
<i>Far East</i> <i>1.55 per cent</i> †	4	10	..	1	60	4	260	3	18	4	..	..	3	6	..	360	200	1	6	422
China	2	4	..	..	14	1	179	3	6	1	..	..	2	2	..	208	105	..	1	239
India	1	5	..	..	35	1	60	..	3	1	..	..	1	..	..	102	64	..	2	120
Japan . . . . .	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	2	1	..	..	2
Korea . . . . .	..	..	..	..	..	2	5	..	4	1	..	..	..	1	..	12	1	..	..	12
Malaya . . . . .	..	..	..	..	1	..	1	..	1	..	..	..	..	..	..	3	3	1	..	4
Pakistan . . . . .	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	1
Philippine Is.	1	1	..	1	9	..	13	..	2	1	..	..	..	3	..	30	24	..	2	40
Thailand . . . . .	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	2	2	..	1	4
<i>Latin America</i> <i>1.03 per cent</i> †	6	8	4	5	38	6	35	1	134	12	..	..	..	3	..	239	197	2	6	387
Argentina	1	..	..	..	5	..	2	..	5	..	..	..	..	..	..	12	17	..	1	23
Bolivia . . . . .	..	..	..	..	1	..	1	..	1	..	..	..	..	..	..	3	3	..	..	6
Brazil . . . . .	..	1	1	..	5	..	4	..	6	5	..	..	..	1	..	21	19	..	..	32
Br. West Indies . . . . .	..	..	..	..	1	..	..	..	3	3	..	..	..	..	..	7	1	..	..	7
Chile . . . . .	..	..	..	..	1	1	1	..	2	..	..	..	..	..	..	5	3	..	..	7

Colombia.....	3	3	..	..	7	1	4	..	22	1	..	..	..	..	39	30	1	1	62
Costa Rica.....	..	..	..	..	..	..	2	..	2	..	..	..	..	..	3	2	..	..	4
Cuba.....	..	2	..	..	1	..	1	1	6	..	..	..	..	..	11	24	..	1	31
Dominican Rep.....	..	..	2	..	..	..	2	..	..	..	..	..	..	..	3	2	..	..	5
Ecuador.....	1	..	..	..	..	..	..	..	3	..	..	..	..	..	4	2	..	..	6
Guatemala.....	..	..	..	..	2	..	1	..	2	..	..	..	..	..	5	7	..	..	10
Honduras.....	..	..	..	..	2	..	..	..	..	..	..	..	..	..	2	3	..	..	3
Martinique.....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	1
Mexico.....	..	1	..	2	4	4	4	..	22	..	..	..	1	..	38	32	..	2	65
Nicaragua.....	..	..	..	..	4	..	..	..	1	..	..	..	..	..	5	2	1	..	7
Panama.....	..	..	..	..	..	..	2	..	2	1	..	..	1	..	5	1	..	..	5
Peru.....	1	..	..	..	2	..	4	..	9	..	..	..	..	..	15	11	..	..	22
Salvador.....	..	..	..	..	..	..	..	..	4	..	..	..	..	..	4	1	..	..	5
Uruguay.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Venezuela.....	..	1	1	3	3	..	6	..	44	2	..	..	..	..	56	37	..	..	85
<i>Near East.....</i>	2	..	1	..	11	..	42	..	15	2	1	..	..	1	74	27	..	2	85
<i>.32 per cent †</i>																			
Afghanistan.....	1	..	..	..	1	..	..	..	..	..	..	..	..	..	2	..	..	..	2
Iran.....	..	..	..	..	2	..	3	..	6	..	1	..	..	1	13	4	..	..	14
Iraq.....	..	..	..	..	2	..	9	..	4	..	..	..	..	..	15	9	..	1	18
Lebanon.....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	1
Palestine.....	..	..	..	..	1	..	1	..	3	..	..	..	..	..	5	3	..	..	5
Syria.....	1	..	..	..	..	..	1	..	..	..	..	..	..	..	2	..	..	..	2
Trans-Jordan.....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	2	..	..	2
Turkey.....	..	..	1	..	4	..	28	..	2	1	..	..	..	..	35	9	..	1	41
<i>U. S. territories and island pos- sessions.....</i>	3	7	..	1	14	..	18	20	52	4	..	..	12	1	130	45	4	2	148
<i>.56 per cent †</i>																			
Alaska.....	..	..	..	..	..	..	1	..	1	..	..	..	..	..	2	..	2	..	4
Canal Zone.....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	3
Guam.....	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	2	..	..	2
Hawaii.....	3	4	..	1	11	..	7	20	39	2	..	..	11	1	98	31	..	..	105
Puerto Rico.....	..	2	..	..	3	..	10	..	10	2	..	..	1	..	27	11	1	2	34

*Part I-A of the enrollment summary, Table I, is the total of columns 3 and 4, after duplicates have been deducted. The net total of Parts II-A1 and II-A2 of the enrollment summary, Table I, is column 5. Parts I-B and II-B of the enrollment summary, Table I, are column 6. Parts I and II of the enrollment summary, Table I, are column 7.

†These percentages apply to the net total enrollment for the first and second semesters.

TABLE VIII
 ENROLLMENT OF MICHIGAN RESIDENTS BY COUNTIES
 RESIDENT STUDENTS IN CREDIT PROGRAMS AND EXTRAMURAL STUDENTS IN CREDIT OR PROFESSIONAL PROGRAMS*
 1948-49

1 Michigan Counties †	2 Resident Enrollment in First and Second Semesters														3 Net Total, First and Second Semesters	4 1948 Summer Session	5 Credit Extension	6 Extramural Med. and Short P. G. in Med., Dent., or Hospital Training	7 Net Total, Students in Credit or Prof. Programs	
	Arch. and Design	Business Adm.	Dentistry	Education	Engineering	Forestry and Cons.	Graduate	Law	L., S., and A.	Medical	Music	Nursing	Pharmacy	Public Health						Hospital Training
Total, Michi- gan.....	554	998	418	413	2,599	138	3,431	517	5,371	607	302	187	188	74	25	15,336	6,264	4,057	1,215	22,294
Counties:																				
Alcona.....	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	3	1	..	2	5
Alger.....	..	..	..	1	4	..	2	..	6	..	1	..	..	1	..	16	13	..	2	29
Allegan.....	..	2	2	1	13	..	23	1	11	..	..	..	..	1	..	53	29	7	3	76
Alpena.....	..	..	3	..	5	..	2	1	7	1	1	..	..	..	..	20	13	..	14	41
Antrim.....	..	..	1	..	3	1	2	1	1	1	..	..	1	..	..	11	3	..	2	16
Arenac.....	..	..	..	..	3	..	2	..	5	..	..	..	..	..	..	9	6	2	1	15
Baraga.....	1	..	..	1	2	..	2	..	4	..	..	1	..	..	..	11	8	14	1	30
Barry.....	..	4	2	1	10	1	6	2	15	1	..	..	2	..	..	43	17	19	2	74
Bay.....	3	23	4	5	30	1	35	9	73	7	3	4	7	..	..	195	80	51	49	305
Benzie.....	1	2	..	..	5	..	1	1	5	..	1	..	1	..	..	17	5	5	..	26

Berrien.....	7	14	3	6	54	2	33	7	75	9	5	6	..	1	..	218	93	11	39	301
Branch.....	3	..	2	..	8	..	5	1	15	3	1	1	2	..	..	41	30	1	3	58
Calhoun (8) ...	6	12	6	4	26	..	51	12	46	6	3	6	2	2	..	180	107	124	69	409
Cass.....	2	1	..	..	2	..	7	3	7	..	3	..	1	..	..	26	14	4	..	35
Charlevoix.....	..	1	..	..	6	..	..	..	3	2	..	..	..	1	..	13	5	..	3	19
Cheboygan.....	..	..	2	1	1	..	1	1	3	1	..	..	3	..	..	13	10	2	3	27
Chippewa.....	3	7	..	..	5	..	3	1	20	1	1	4	..	..	..	45	16	58	25	135
Clare.....	..	1	..	..	3	..	4	..	5	..	..	..	..	..	..	13	3	1	2	16
Clinton.....	2	1	..	..	6	..	1	2	7	1	1	..	..	..	..	21	2	1	2	24
Crawford.....	..	1	1	..	..	..	2	..	7	..	..	..	..	..	..	11	2	..	2	13
Delta.....	3	4	..	3	15	2	3	2	29	1	..	..	2	1	..	64	20	46	4	117
Dickinson.....	6	5	3	2	12	..	7	2	37	4	3	2	..	..	..	79	39	27	10	133
Eaton.....	1	2	3	..	6	..	7	..	18	4	1	1	1	..	..	42	11	6	3	55
Emmet.....	..	3	2	..	8	..	6	..	14	..	1	1	..	..	..	35	12	2	..	41
Genesee (5)....	22	41	23	21	107	5	329	17	249	17	12	10	10	..	1	843	240	203	108	1,206
Gladwin.....	1	..	..	..	..	..	3	..	1	..	..	1	1	..	..	7	6	..	1	10
Gogebic.....	5	7	2	1	12	4	9	1	38	3	2	5	..	..	..	88	27	21	17	134
Grand Traverse	6	6	1	2	14	2	6	1	35	3	2	2	..	1	..	77	16	6	31	119
Gratiot.....	1	3	2	1	5	..	7	..	12	3	..	2	1	1	..	36	26	55	12	116
Hillsdale.....	2	1	1	1	6	..	11	1	10	2	1	..	4	..	..	38	21	1	2	50
Houghton.....	1	3	2	1	4	..	9	1	21	1	2	1	..	..	..	43	23	34	20	106
Huron.....	..	5	1	..	2	1	8	1	21	..	..	2	1	..	..	41	16	5	3	56
Ingham (10)...	12	7	9	7	25	..	39	9	80	19	3	7	3	2	..	213	91	9	119	378
Ionia.....	1	3	3	..	1	..	13	2	14	..	3	..	..	..	..	40	20	17	4	71
Iosco.....	..	1	..	..	2	..	3	..	3	..	1	..	..	..	..	9	5	1	..	12
Iron.....	1	2	2	5	11	4	1	3	26	1	1	1	..	2	..	58	20	22	2	86
Isabella.....	..	1	..	..	6	1	38	1	4	1	..	..	2	..	..	54	31	5	5	75
Jackson (8)...	10	17	8	7	49	1	25	11	76	12	3	5	6	..	..	223	98	68	94	409
Kalamazoo (7).	14	11	9	5	67	..	140	9	54	9	3	4	5	3	..	328	181	25	13	453
Kalkaska.....	..	..	..	..	1	..	..	1	1	..	..	..	..	..	..	3	4	..	..	5

TABLE VIII (Cont.)

ENROLLMENT OF MICHIGAN RESIDENTS BY COUNTIES

RESIDENT STUDENTS IN CREDIT PROGRAMS AND EXTRAMURAL STUDENTS IN CREDIT OR PROFESSIONAL PROGRAMS*

1948-49

1 Michigan Counties †	2 Resident Enrollment in First and Second Semesters														3 Net Total, First and Second Semesters	4 1948 Summer Session	5 Credit Extension	6 Extramural Med. and Short P.G. in Med., Dent., or Hospital Training	7 Net Total Students in Credit or Prof. Programs	
	Arch. and Design	Business Admin.	Dentistry	Education	Engineering	Forestry and Cons.	Graduate	Law	L., S., and A.	Medical	Music	Nursing	Pharmacy	Public Health						Hospital Training
Kent (3).....	20	129	30	31	165	9	221	26	272	38	9	7	8	2	1	941	299	674	42	1,741
Keweenaw.....	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	4	1	2	..	6
Lake.....	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	2	1	..	..	3
Lapeer.....	1	2	..	..	4	..	13	2	16	1	1	2	..	..	..	41	22	19	1	67
Leelanau.....	4	..	..	2	..	..	1	1	5	1	2	..	..	..	..	16	5	..	1	19
Lenawee.....	3	8	7	4	21	1	11	3	35	5	7	3	2	1	..	110	63	6	26	177
Livingston.....	1	3	1	3	11	..	17	5	18	1	2	2	..	2	1	65	32	11	1	88
Luce.....	..	..	2	..	..	..	..	..	6	..	..	2	..	..	..	9	6	5	..	18
Mackinac.....	..	..	1	..	1	..	..	2	1	..	1	..	..	..	..	6	3	9	1	18
Macomb.....	4	6	5	..	41	1	32	..	65	2	3	2	1	1	..	162	50	29	40	239
Manistee.....	1	3	..	..	8	1	7	..	13	1	2	..	..	2	..	37	14	..	8	52
Marquette.....	7	4	6	2	10	3	31	2	38	3	8	4	1	1	..	118	88	16	34	207
Mason.....	..	1	2	1	12	1	3	1	12	1	1	..	..	1	..	35	14	1	4	42
Mecosta.....	..	1	1	..	6	..	8	..	8	..	..	..	..	..	..	24	13	35	1	63
Menominee.....	2	4	..	2	5	2	1	2	14	1	..	4	..	..	..	35	22	15	9	73

Midland	..	3	1	..	11	3	13	3	11	1	..	..	3	2	..	50	27	12	19	88
Missaukee	..	..	..	..	1	..	1	1	1	..	1	..	..	..	..	5	3	..	1	7
Monroe	5	6	1	3	25	1	26	3	44	4	5	2	1	1	..	123	42	27	10	165
Montcalm	..	1	..	2	3	..	13	3	13	1	..	..	..	..	..	36	24	6	..	52
Montmorency	..	..	..	..	2	..	1	..	1	..	..	..	..	..	..	4	4	1	1	7
Muskegon	9	24	8	10	44	3	24	6	70	5	2	2	4	..	..	204	78	111	6	345
Newaygo	1	..	1	..	3	1	7	1	7	1	..	..	..	1	..	23	8	5	..	31
Oakland (4)	37	53	22	28	172	13	148	23	434	25	28	16	12	4	1	987	296	267	8	1,327
Oceana	..	3	4	..	8	..	5	2	16	1	..	..	..	..	..	38	18	4	2	53
Ogemaw	1	..	1	..	..	..	1	1	5	1	..	..	1	..	..	11	2	..	2	14
Ontonagon	..	1	..	..	1	1	..	..	4	..	1	..	..	1	..	9	7	4	..	18
Osceola	..	1	..	1	4	..	4	..	3	1	1	..	..	..	..	15	16	1	4	29
Oscoda	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	1
Otsego	..	..	..	..	1	..	1	1	1	..	..	2	..	..	..	6	4	3	1	12
Ottawa	5	12	..	4	36	1	37	4	24	15	2	2	..	2	..	142	81	65	3	244
Presque Isle	..	..	..	..	3	1	1	2	3	1	..	..	..	..	..	11	9	6	3	26
Roscommon	..	..	1	..	1	..	5	1	2	..	..	..	..	..	..	9	5	..	..	11
Saginaw (6)	16	24	11	7	62	..	72	8	127	10	5	8	4	2	..	349	117	117	58	544
Saint Clair	8	12	3	4	28	..	16	4	70	1	6	1	2	..	..	149	64	61	13	241
Saint Joseph	..	6	..	1	18	1	12	4	26	5	4	2	1	..	..	77	36	4	2	96
Sanilac	3	1	3	..	7	..	7	..	10	..	1	2	..	..	..	34	21	23	1	61
Schoolcraft	..	1	..	..	3	..	..	..	7	..	..	..	..	1	..	12	6	..	..	15
Shiawassee	2	4	3	2	6	2	11	1	24	2	2	2	1	1	..	62	25	27	8	104
Tuscola	..	4	..	..	11	..	11	1	14	3	3	1	1	..	..	49	24	24	11	91
Van Buren	..	2	1	3	19	..	15	6	20	2	4	3	1	1	..	74	28	6	4	92
Washtenaw (2)	126	195	76	95	484	41	1,045	178	847	182	67	9	33	22	21	3,283	1,931	149	92	3,939
Wayne (1)	181	291	129	132	812	26	760	115	2,008	177	76	41	56	10	..	4,655	1,375	1,457	115	6,529
Wexford	3	2	1	..	11	..	4	1	10	1	..	..	1	..	..	33	16	1	11	53

*The total of columns 3 and 4, after duplicates have been deducted, is the Michigan section of Part I-A of the enrollment summary, Table I. Part II-A of the enrollment summary, Table I, is column 5. Parts I-B and II-B of the enrollment summary, Table I, are column 6. Parts I and II of the enrollment summary, Table I, are column 7.

†The ten counties sending the most students are indicated by figures in parentheses.

TABLE IX
MICHIGAN STUDENTS BY COUNTIES, 1948-49

Counties in Michigan	Population, 1940 Census	Public High School Enrollment, 1947-48	Nonpublic High School Enrollment, 1947-48	Michigan High Schools				University of Michigan Freshmen, 1948-49	University of Michigan Students, 1948-49
				Number of Schools		Graduates, 1947-48			
				Public	Non-public	Public	Non-public		
Total	5,256,106	215,835	36,161	553	132	46,636	8,256	1,519	22,294
Alcona	5,463	116	...	1	...	28	...	1	5
Alger	10,167	485	...	4	...	97	...	...	29
Allegan	41,839	1,566	...	8	...	317	...	4	76
Alpena	20,766	873	206	1	1	139	50	1	41
Antrim	10,964	598	...	6	...	137	...	1	16
Arenac	9,233	568	...	4	...	113	...	2	15
Baraga	9,356	428	...	2	...	80	...	2	30
Barry	22,613	1,148	...	6	...	228	...	5	74
Bay	74,981	2,682	805	3	5	526	161	11	305
Benzie	7,800	421	...	4	...	85	...	5	26
Berrien	89,117	4,302	192	10	2	920	39	23	301
Branch	25,845	1,061	31	4	1	214	6	3	58
Calhoun	94,206	3,778	242	7	1	808	52	24	409
Cass	21,910	863	...	4	...	173	...	3	35
Charlevoix	13,031	551	...	4	...	123	...	3	19

Cheboygan.....	13,644	464	...	3	...	112	...	3	27
Chippewa.....	27,807	1,273	142	6	1	235	36	4	135
Clare.....	9,163	569	...	3	...	105	...	1	16
Clinton.....	26,671	1,297	...	8	...	314	...	2	24
Crawford.....	3,765	196	...	1	...	45	...	...	13
Delta.....	34,037	1,591	181	7	1	351	44	12	117
Dickinson.....	28,731	1,640	...	6	...	425	...	17	133
Eaton.....	34,124	1,863	...	9	...	414	...	11	55
Emmet.....	15,791	916	...	4	...	212	...	8	41
Genesee.....	227,944	11,382	1,037	21	5	2,708	228	55	1,206
Gladwin.....	9,385	537	...	2	...	125	...	...	10
Gogebic.....	31,797	1,317	120	5	1	344	33	12	134
Grand Traverse..	23,390	1,068	163	4	2	198	30	16	119
Gratiot.....	32,205	1,573	...	6	...	309	...	3	116
Hillsdale.....	29,092	1,388	...	10	...	302	...	2	50
Houghton.....	47,631	1,845	87	8	1	486	22	7	106
Huron.....	32,584	1,485	105	11	1	309	22	4	56
Ingham.....	130,616	6,391	656	14	2	1,410	128	28	378
Ionia.....	35,710	1,553	98	7	2	328	30	9	71
Iosco.....	8,560	653	...	5	...	151	...	...	12
Iron.....	20,243	931	...	5	...	252	...	14	86
Isabella.....	25,982	1,091	167	4	2	215	42	5	75
Jackson.....	93,108	3,464	494	12	1	736	112	20	409
Kalamazoo.....	100,085	3,655	921	10	2	802	211	18	453
Kalkaska.....	5,159	232	...	2	...	27	...	...	5
Kent.....	246,338	8,770	2,997	20	3	1,980	679	46	1,741
Keweenaw.....	4,004	...	...	...	...	...	...	...	6
Lake.....	4,798	180	...	2	...	40	...	2	3
Lapeer.....	32,116	1,424	...	7	...	298	...	3	67
Leelanau.....	8,436	259	184	5	3	65	51	3	19

TABLE IX (Cont.)
MICHIGAN STUDENTS BY COUNTIES, 1948-49

Counties in Michigan	Population, 1940 Census	Public High School Enrollment, 1947-48	Nonpublic High School Enrollment, 1947-48	Michigan High Schools				University of Michigan Freshmen, 1948-49	University of Michigan Students, 1948-49
				Number of Schools		Graduates, 1947-48			
				Public	Non-public	Public	Non-public		
Lenawee.....	53,110	2,210	93	11	1	437	20	19	177
Livingston.....	20,863	1,006	...	5	...	212	...	6	88
Luce.....	7,423	317	...	1	...	63	...	2	18
Mackinac.....	9,438	359	43	4	1	69	15	...	18
Macomb.....	107,638	6,040	581	18	5	1,173	100	22	239
Manistee.....	18,450	752	100	7	1	166	17	3	52
Marquette.....	47,144	1,776	407	8	2	365	118	14	207
Mason.....	19,378	823	121	4	1	191	32	1	42
Mecosta.....	16,902	947	...	5	...	207	...	1	63
Menominee.....	24,883	1,123	...	4	...	289	...	4	73
Midland.....	27,094	1,371	...	2	...	285	...	4	88
Missaukee.....	8,034	342	92	3	1	66	11	1	7
Monroe.....	58,620	2,193	595	6	2	443	133	19	165
Montcalm.....	28,581	1,581	199	9	2	312	46	6	52
Montmorency..	3,840	278	...	2	...	57	...	...	7

Muskegon.....	94,501	4,393	420	7	3	840	96	18	345
Newaygo.....	19,286	1,070	...	5	...	231	...	3	31
Oakland.....	254,068	13,747	1,849	25	4	3,012	421	139	1,327
Oceana.....	14,812	603	...	4	...	128	...	8	53
Ogemaw.....	8,720	342	...	2	...	64	...	2	14
Ontonagon.....	11,359	592	...	6	...	114	...	3	18
Osceola.....	13,309	887	...	6	...	185	...	2	29
Oscoda.....	2,543	196	...	2	...	41	...	1	1
Otsego.....	5,827	283	96	3	1	57	21	1	12
Ottawa.....	59,660	2,646	440	6	1	577	80	8	244
Presque Isle....	12,250	599	56	3	1	148	16	2	26
Roscommon....	3,668	305	...	2	...	66	...	...	11
Saginaw.....	130,468	5,547	1,173	8	6	1,140	293	44	544
St. Clair.....	76,222	3,271	412	7	2	682	122	13	241
St. Joseph.....	31,749	1,559	...	8	...	333	...	7	96
Sanilac.....	30,114	1,677	...	8	...	360	...	7	61
Schoolcraft....	9,524	514	...	2	...	90	...	3	15
Shiawassee....	41,207	1,867	...	8	...	363	...	8	104
Tuscola.....	35,694	1,801	...	11	...	382	...	6	91
Van Buren.....	35,111	1,896	...	11	...	418	...	9	92
Washtenaw....	80,810	3,222	615	8	2	687	144	140	3,939
Wayne.....	2,015,623	68,314	20,041	42	59	14,916	4,595	598	6,529
Wexford.....	17,976	939	...	5	...	181	...	2	53

NOTE.—Statistics concerning high schools were furnished by the State Department of Public Instruction.

TABLE X
MICHIGAN COUNTIES
RANKED BY
UNIVERSITY OF MICHIGAN STUDENTS, POPULATION, HIGH-SCHOOL ENROLLEES, AND HIGH-SCHOOL GRADUATES

Rank	Michigan Counties Sending Most Students to U. of M. during 1948 Fall and 1949 Spring		Michigan Counties Having Largest Population in 1940		Michigan Counties with Greatest Number of Students Enrolled in Public High Schools during 1947-48		Michigan Counties with Largest Number of Graduates of Public High Schools during 1947-48	
	County	Number of Students	County	Population	County	Public High School Enrollment	County	Public High School Graduates
1	Wayne	4,655	Wayne	2,015,623	Wayne	68,314	Wayne	14,916
2	Washtenaw	3,283	Oakland	254,068	Oakland	13,747	Oakland	3,012
3	Oakland	987	Kent	246,338	Genesee	11,382	Genesee	2,708
4	Kent	941	Genesee	227,944	Kent	8,770	Kent	1,980
5	Genesee	843	Ingham	130,616	Ingham	6,391	Ingham	1,410
6	Saginaw	349	Saginaw	130,468	Macomb	6,040	Macomb	1,173
7	Kalamazoo	328	Macomb	107,638	Saginaw	5,547	Saginaw	1,140
8	Jackson	223	Kalamazoo	100,085	Muskegon	4,393	Berrien	920
9	Berrien	218	Muskegon	94,501	Berrien	4,302	Muskegon	840
10	Ingham	213	Calhoun	94,206	Calhoun	3,778	Calhoun	808

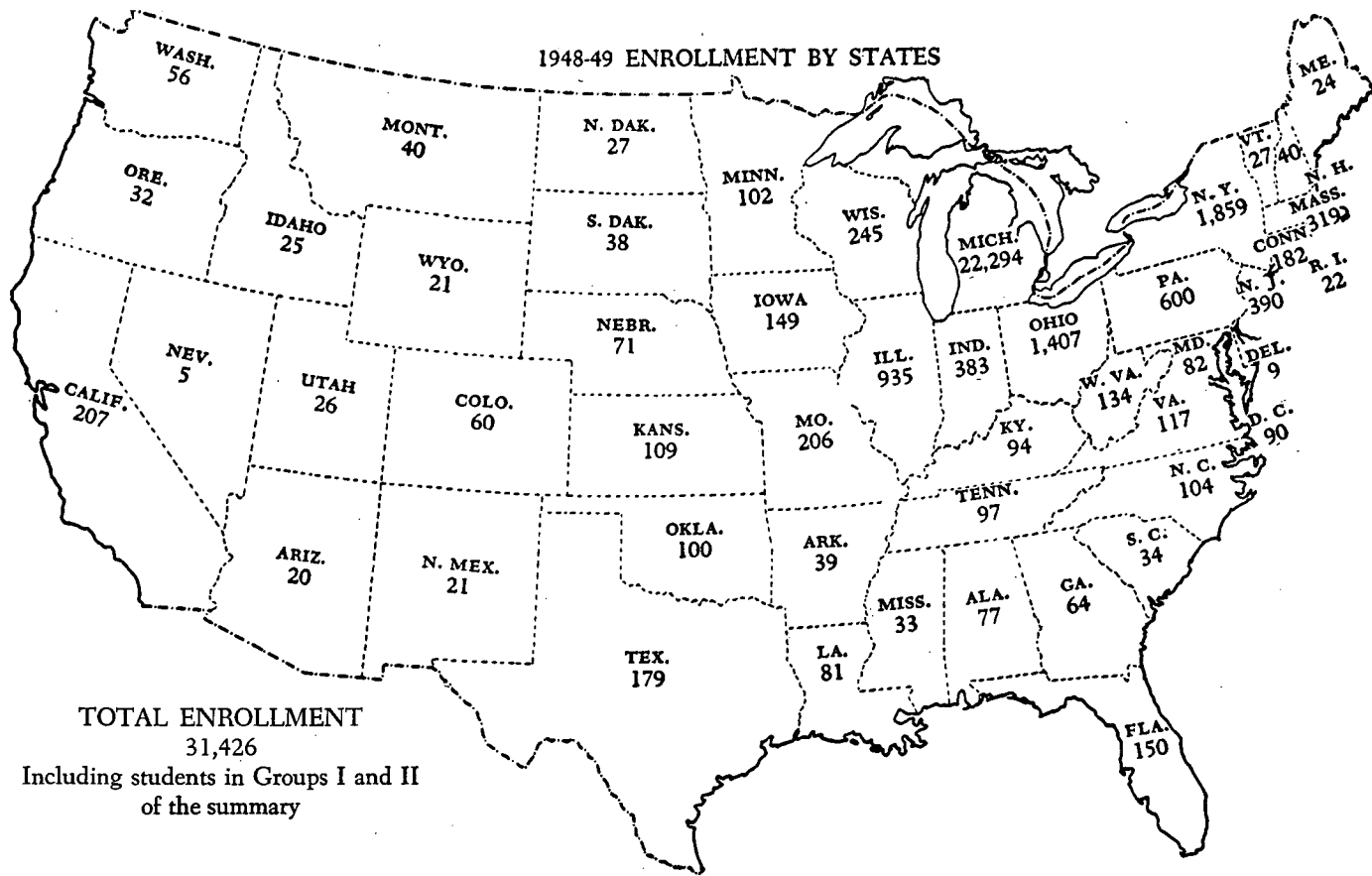
TABLE XI
ENROLLMENT FROM 1843 TO 1949

Year	Total *	Year	Total *
1843-44	53	1921-22	11,120
1849-50	72	1922-23	11,450
1858-59	430	1923-24	12,291
1869-70	1,112	1924-25	12,312
1879-80	1,427	1925-26	12,690
1890-91	2,420	1926-27	13,257
1899-1900	3,441	1927-28	13,593
1900-01	3,712	1928-29	13,769
1901-02	3,709	1929-30	15,154
1902-03	3,792	1930-31	15,500
1903-04	3,957	1931-32	14,826
1904-05	4,136	1932-33	13,257
1905-06	4,571	1933-34	12,301
1906-07	4,746	1934-35	13,691
1907-08	5,010	1935-36	16,040
1908-09	5,223	1936-37	18,043
1909-10	5,383	1937-38	18,851
1910-11	5,381	1938-39	19,591
1911-12	5,582	1939-40	19,596
1912-13	5,805	1940-41	18,899
1913-14	6,258	1941-42	17,168
1914-15	6,857	1942-43	16,277
1915-16	7,214	1943-44	17,701
1916-17	7,517	1944-45	18,718
1917-18	6,734	1945-46	25,549
1918-19	7,288 †	1946-47	30,278
1919-20	9,401	1947-48	32,307
1920-21	10,623	1948-49	32,770

*Includes the regular session and summer session and those taking class and correspondence extension courses for which credit may be given. Students in noncredit courses are not included. Students in postgraduate programs are included after 1944-45.

†Not including 2,258. Sec. B., S.A.T.C.

1948-49 ENROLLMENT BY STATES



TOTAL ENROLLMENT

31,426

Including students in Groups I and II
of the summary

TABLE XII
 UNIVERSITY OF MICHIGAN
 CLASS DISTRIBUTION—1948 FALL SEMESTER*
 FOR
 STUDENTS IN THE UNDERGRADUATE SCHOOLS AND COLLEGES

University Unit	Total Students	Undergraduate Students						Total Graduate Students in Undergraduate Schools and Col.
		Total	Fresh.	Soph.	Junior	Senior	Special	
Undergraduate Schools and Colleges	14,828	14,304	2,732	4,618	3,035	3,517	402	524
Ratio of each class to total undergraduates		100.0%	19.1%	32.3%	21.2%	24.6%	2.8%	...
Architecture and Design	722	722	163	179	143	229	8	...
Business Administration	1,265	908	....	....	535	351	22	357
Education	460	457	48	85	115	175	34	3
Engineering	3,835	3,835	569	1,135	1,138	895	98	...
Forestry and Conservation	303	290	43	35	62	147	3	13
Literature, Science, and the Arts	7,208	7,204	1,676	2,959	852	1,501	216	4
Music	579	432	114	95	84	129	10	147
Nursing	229	229	77	64	36	47	5	...
Pharmacy	227	227	42	66	70	43	6	...

*Through the twelfth week of classes December 11, 1948.

TABLE XIII
ACADEMIC SUCCESS OF UNDERGRADUATE STUDENTS

Student Group	Grade-Point Average		Change
	1947-48	1948-49	
Women's Cooperative Housing	2.68	2.88	.20
Men's Cooperative Housing	2.72	2.68	-.04
General Sororities	2.64	2.64	.00
All Women	2.65	2.61	-.04
Independent Women	2.65	2.60	-.05
Men's Residence Halls	2.56	2.58	.02
Women's Residence Halls	2.69	2.56	-.13
Independent Men	2.56	2.56	.00
All Men and Women	2.57	2.56	-.01
All Men	2.55	2.54	-.01
General Fraternities	2.49	2.46	-.03
Freshman Men	2.46	2.45	-.01
All Freshmen	2.46	2.42	-.04
Freshman Women	2.46	2.36	-.10

TABLE XIV
DEGREES AND CERTIFICATES CONFERRED
JULY 1, 1948, THROUGH JUNE 30, 1949

	Total	Men	Women
Total			
Degrees in Course.....	6,158	4,721	1,437
Honorary Degrees.....	11	11	.....
Diplomas and Certificates of Graduation.....	73	.....	73
Certificates of Specialization.....	621	315	306
Commissions.....	62	62	.....
College of Architecture and Design			
Bachelor of Architecture			
Architectural Engineering.....	20	19	1
Architecture.....	28	27	1
Bachelor of Design.....	47	25	22
Bachelor of Landscape Architecture.....	1	1	.....
Bachelor of Science in Architecture			
Architecture.....	1	1	.....
Bachelor of Science in Landscape Architecture ..	1	.....	1
School of Business Administration			
Bachelor of Business Administration.....	437	408	29
Master of Business Administration.....	250	246	4
School of Dentistry			
Bachelor of Science in Dental Hygiene.....	3	.....	3
Doctor of Dental Surgery.....	46	44	2
School of Education			
Bachelor of Arts in Education.....	116	14	102
Bachelor of Science in Education.....	60	46	14
College of Engineering			
Bachelor of Science in Engineering			
Aeronautical Engineering.....	70	68	2
Chemical Engineering.....	127	127	.....
Civil Engineering.....	91	91	.....
Electrical Engineering.....	150	150	.....
Engineering Mechanics.....	3	3	.....
Industrial-Mechanical Engineering.....	116	116	.....
Mathematics.....	34	32	2
Mechanical Engineering.....	182	182	.....
Metallurgical Engineering.....	27	27	.....
Naval Architecture and Marine Engineering ..	27	26	1
Physics.....	23	21	2
Transportation.....	2	2	.....
School of Forestry and Conservation			
Bachelor of Science in Forestry.....	72	71	1
Bachelor of Science in Wood Technology.....	16	16	.....
Master of Forestry.....	21	21	.....
Master of Wood Technology.....	6	6	.....
Horace H. Rackham School of Graduate Studies			
Master of Architecture.....	2	1	1
Master of Arts.....	845	538	307
Master of Arts in Library Science.....	39	17	22
Master of City Planning.....	1	1	.....
Master of Public Administration.....	8	7	1
Master of Science.....	302	241	61
Master of Science in Chemistry.....	16	14	2

TABLE XIV (Cont.)

DEGREES AND CERTIFICATES CONFERRED
JULY 1, 1948, THROUGH JUNE 30, 1949

	Total	Men	Women
Master of Science in Dentistry.....	6	6	....
Master of Science in Engineering.....	317	315	2
Master of Science in Public Health.....	3	1	2
Master of Social Work.....	50	12	38
Mechanical Engineer.....	2	2	....
Metallurgical Engineer.....	1	1	....
Doctor of Education.....	3	3	....
Doctor of Philosophy.....	108	99	9
Doctor of Science.....	4	4	....
Law School			
Bachelor of Laws.....	310	307	3
Juris Doctor.....	55	53	2
Master of Laws.....	6	5	1
College of Literature, Science, and the Arts			
Bachelor of Arts.....	1,292	768	524
Bachelor of Arts in Library Science.....	18	5	13
Bachelor of Science.....	327	255	72
Bachelor of Science in Chemistry.....	21	18	3
Medical School			
Doctor of Medicine.....	107	91	16
School of Music			
Bachelor of Music			
Cello.....	2	....	2
Composition.....	2	2	....
Music Education.....	43	26	17
Music Literature.....	10	4	6
Organ.....	12	7	5
Piano.....	13	3	10
Stringed Instruments.....	1	....	1
Theory.....	3	3	....
Violin.....	3	2	1
Voice.....	9	1	8
Wind Instruments.....	2	1	1
Master of Music			
Composition.....	2	1	1
Harp.....	1	....	1
Music Education.....	31	22	9
Music Literature.....	11	6	5
Musicology.....	1	1	....
Organ.....	8	4	4
Piano.....	15	4	11
Theory.....	3	2	1
Violin.....	3	3	....
Voice.....	3	1	2
School of Nursing			
Bachelor of Science in Nursing.....	24	....	24
College of Pharmacy			
Bachelor of Science in Pharmacy.....	34	27	7
School of Public Health			
Bachelor of Science in Public Health Nursing....	38	....	38
Master of Public Health.....	64	47	17

TABLE XIV (Cont.)
DEGREES AND CERTIFICATES CONFERRED
JULY 1, 1948, THROUGH JUNE 30, 1949

	Total	Men	Women
Honorary Degrees			
Master of Laws.....	1	1	....
Doctor of Engineering.....	1	1	....
Doctor of Fine Arts.....	1	1	....
Doctor of Laws.....	5	5	....
Doctor of Letters.....	1	1	....
Doctor of Science.....	2	2	....
Diplomas and Certificates of Graduation			
Diploma in Nursing.....	37	....	37
Certificate in Anesthesia.....	7	....	7
Certificate in Dental Hygiene.....	28	....	28
Certificate in Public Health Nursing.....	1	....	1
Certificate of Specialization			
Certificate in Journalism.....	47	34	13
Certificate in Medical Technology.....	12	....	12
Certificate of Proficiency in Postgraduate Medicine.....	90	89	1
Teacher's Certificate			
State Secondary Provisional Certificate			
College of Architecture and Design.....	5	2	3
School of Business Administration.....	3	2	1
School of Education.....	78	52	26
College of Engineering.....	2	1	1
Horace H. Rackham School of Graduate Studies.....			
College of Literature, Science, and the Arts.	43	33	10
School of Music.....	158	55	103
School of Public Health.....	46	28	18
School of Public Health.....	2	....	2
State Elementary Provisional Certificate			
School of Education.....	99	1	98
Horace H. Rackham School of Graduate Studies.....			
College of Literature, Science, and the Arts.	15	3	12
College of Literature, Science, and the Arts.	2	....	2
Junior College Permanent Certificate			
School of Business Administration.....	1	1	....
Horace H. Rackham School of Graduate Studies.....			
College of Literature, Science, and the Arts.	16	13	3
College of Literature, Science, and the Arts.	1	....	1
School of Music.....	1	1	....
Commissions			
Naval Reserve Officers' Training Corps			
United States Marine Corps.....	2	2	....
United States Marine Corps Reserve.....	1	1	....
United States Naval Reserve.....	18	18	....
United States Navy.....	2	2	....
Reserve Officers' Training			
United States Air Force.....	9	9	....
United States Army.....	30	30	....

TABLE XIV (Cont.)

RECIPIENTS OF HONORARY DEGREES:

Master of Laws
George Edward Brand

Doctor of Engineering
Roy Stuart Campbell

Doctor of Fine Arts
Joseph Hudnut

Doctor of Laws

Bruce Ditmus Bromley James Bryant Conant
Detlev Wulf Bronk Joseph Morrell Dodge

William Clinton Mullendore

Doctor of Letters
Edgar Howard Sturtevant

Doctor of Science

Alfred Vincent Kidder Frank Harold Spedding

TABLE XV

THE TEACHING STAFF OF THE UNIVERSITY OF MICHIGAN*
1948-49

University Unit	Faculty					
	Total	Pro- fessor	Assoc. Prof.	Asst. Prof.	Instruc- tor	Lecturers & Teach. Fel.
Total.....	1,187	287	180	215	265	240
Schools and Colleges						
Arch. and Design...	39	8	8	8	11	4
Business Admin....	47	14	6	6	10	11
Dentistry.....	37	9	5	5	9	9
Education.....	33	11	3	5	2	12
Engineering.....	200	51	35	46	41	27
Forestry and Cons...	12	8	2	2	...	...
Law.....	26	17	2	7	...	...
Lit., Sci., and Arts..	533	117	81	89	108	138
Medicine.....	126	26	18	24	35	23
Music.....	55	12	10	9	17	7
Nursing.....	23	1	1	2	19	...
Pharmacy.....	8	2	1	2	...	3
Public Health.....	23	6	6	3	2	6
Physical Education....	18	2	1	4	11	...
Social Work.....	7	3	1	3	...	...

*Full-time equivalent members, based upon the budget as originally adopted.

NOTE.—Members of the faculty of the Graduate School who are listed in the school or college offering the courses are included above.

Respectfully submitted,

IRA M. SMITH,

Registrar