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Report of The Registrar of the University 1942-1943

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for 1942-43, University of Michigan

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THE REGISTRAR OF THE UNIVERSITY

To the President of the University:

SIR—The past year has seen many changes at the University. They are represented more concretely by the increasing number of members of the armed forces and by the decreasing number of civilians enrolled. The effects of the Selective Service Act and of our active participation in the war became more and more apparent as the year progressed and were reflected in many ways. All of this has resulted in an increase of statistical work as well as an increase in the recording. The task of furnishing all of the information requested by the Army and Navy agencies became very heavy. The names of all service men will be included in the *Register of Students* for 1942-43.

The University's relationship with high-school seniors and recent graduates has been emphasized in the increased number of personal calls for answers to specific individual questions relating to "What shall I do?" The young men who have reached the seventeenth birthday but not the eighteenth are eager to get started in college work before entering the armed services. This is definitely reflected in the increased freshman enrollment of men in the summer term. Our general advice has been that since the nation must have adequately trained men for the armed forces and for industry, it seems that at least the most able high-school boys should be encouraged to go on to college, even if their stay there will be short. Adequate preparation has been emphasized from the reports which come out of Washington, and we encourage these young men to continue with their educational plans as recommended by the Army and Navy.

Personnel.—Many changes in the staff membership of each department have caused the regular work of the office to be considerably retarded. In the interests of the United States Army Air Force, Miss Elisabeth Lawrie was at the University of Chicago from the middle of December, 1942, to the middle of January, 1943; to evaluate scholastic records for the meteorological program. Following are the changes and appointments which have been made:

DEPARTMENT	RESIGNED	REPLACED BY
Editorial	Mrs. Alicia Buchanan,	Mrs. Ferol L. Brinkman
Admissions	Mrs. Esther O. Heyns	Mrs. Mary Gunn Baker
Admissions	Mrs. Mary Gunn Baker	Mrs. Marcellene Fisher
Admissions	Miss Rosamond E. Haas	Mrs. Clarice Corbett
Statistical	Mrs. Sarah Schild	Mrs. Estelle Kutsche
Statistical	Mrs. Estelle Kutsche	Miss Charlotte Ann Fern
Statistical	Miss Charlotte Ann Fern	Mrs. Margaret Smith
Records	Mr. Carl Palmquist	Miss Dorothy Cuthbert
Records	Miss Clara Lee Keller	Mrs. Jean Thompson
Records	Mrs. Jean Thompson	Miss Sylvia K. Moore
Records	Miss Sylvia K. Moore	Mrs. Carolyn Goodman

General correspondence.—Each year the Registrar's Office answers thousands of requests for the *Bulletin of General Information* and

the various School and College *Announcements* as well as for other information concerning the University. Since an answer to such a request is often the first contact a prospective student has with the University, it is important that it be prompt and gracious, as well as specific; a "catalogue" alone is sometimes confusing if it is sent in answer to a definite question or to the solution of a problem. One of the greatest problems in connection with the outgoing official publications is the fact that the mailing facilities are inadequate. Delay in mailing could be prevented by expansion of the present mailing facilities. It would be highly desirable to have a central receiving and mailing room for all official publications of the University, in order to lessen confusion and to increase the efficiency of their distribution. I wish again to make a recommendation that the question of a central mailing room for all University official publications be given consideration, with the further recommendation that it be placed in the University Press Building under the supervision of the Superintendent of Printing.

Entrance examinations.—Because of low high-school marks in certain subjects and, in a few cases, because of attendance at unaccredited secondary schools, eighty-two applications for admission to the freshman class were required to write entrance examinations during the year. The examinations were held in August, February, and June, and approximately 80 per cent of the applicants were successful in gaining admission to the University by this method.

Honors Convocation.—Dr. Waldo Gifford Leland, Director of the American Council of Learned Societies, gave the address at the Twentieth Annual Honors Convocation in Hill Auditorium on April 16, 1943. The honor students of 1943, who numbered 728, were selected, as in other years, for outstanding achievement at the University of Michigan. They were grouped as follows:

	MEN	WOMEN	TOTAL
Seniors with averages of at least B and holding rank in the highest 10 per cent of the class.....	133	76	209
Students with averages of at least half A and half B.			
Juniors	52	19	71
Sophomores	50	35	85
Freshmen	71	55	126
Horace H. Rackham School of Graduate Studies			
Fellowships and scholarships.....	53	27	80
Other honor students.....	87	24	111
Recipients of special awards.....	62	38	100
<hr/>	<hr/>	<hr/>	<hr/>
Total citations.....	508	274	782
*Duplicates	36	18	54
<hr/>	<hr/>	<hr/>	<hr/>
Total students honored.....	472	256	728

* One man and one woman, each with three citations, have been counted twice in this group.

Principal-Freshman Conference.—On Thursday morning, November 19, 770 freshmen reported at the Rackham Building to confer with their former high-school principals and teachers. There were 140 in Ann Arbor that day, representing 73 Michigan, 1 Illinois, 1 Indiana, and 3 Ohio schools at the sixteenth annual Principal-Freshman Conference. While the principals and freshmen were meeting on the second floor, deans from six junior colleges in Michigan were conferring in the lecture hall on the main floor with 150 former students who had transferred to the University this year.

The noon luncheon at the Michigan League brought together the out-of-town visitors and members of the University faculty who have contact with freshmen during the year. The timely subject of the afternoon program was "Admission and Retention of College Freshmen During This Wartime Emergency." A list of pertinent questions prepared beforehand formed the basis of the discussion which was sponsored by the Bureau of Co-operation with Educational Institutions (George E. Carrothers, Director) with the assistance of the Committee on College Relations of the Michigan Secondary School Association (H. M. Murphy, Howell, Chairman).

The following committee was in charge of the discussion: Harold M. Dorr, University of Michigan, Chairman; Lloyd C. Emmons, Michigan State College; Dwight Rich, Eastern High School, Lansing; William Stocking, Redford High School, Detroit; John Wellwood, Central High School, Flint; Frank Whitehouse, Michigan State Normal College.

Naturally, there was a slight falling off of attendance this year because of transportation and rubber conservation, but the interest and enthusiasm of those participating seem to be heightened each year. The benefits of the Conference extend to the high school in its preparation of future students, to the University in its orientation and instruction of freshmen, and to the student who is having difficulty which, when brought to light, can be remedied early in his college career.

RECORDS DIVISION

Studies.—Because of constantly shifting personnel within the office, the increased pressure of duties caused by large withdrawals of students to enter the Army, the undertaking of registration, classification, and recording procedure for the Division for Emergency Training, and similar factors, it has been possible to devote only a minimum amount of time to studies of academic records during the session of 1942-43. Two investigations worthy of mention have been made:

1. An analysis of the academic records of students who failed to meet the concentration requirement of the year 1939-40.

2. At the request of the Deans' Conference further work was done in developing a manual of procedures for issuing transcripts. This manual was given approval by the nine offices issuing transcripts on this campus and is now being followed with the view to maintaining a reasonably uniform treatment of former students who ask for transcripts.

Registration.—By June 4, 1942, each student in the six units whose records are handled in this office, had been mailed a blueprint of his record with the revised issue of the bulletin, "Directions for Registration and Classification."

At the request of the President's Office, the Registrar's Office has served as the contact point between the University and the local draft board in handling the draft registration of University students and faculty, with the county rationing officials in the issuance of sugar ration books, and in other similar projects.

In addition to registration for the usual two terms and summer session, the summer term registration was held for the first time. This was conducted along the same lines as registration at other times.

With the addition of the Division for Emergency Training, registration for students enrolled therein has been assumed by this office. Classification of such students has been under the direction of the faculty supervisor for each course. This office and that of the Cashier of the University have of necessity acted as a clearing house in seeing that appropriate cards and records were sent to the various offices concerned.

Degree programs.—Students in the College of Literature, Science, and the Arts are admitted to the various fields of concentration as soon as they have earned at least sixty hours of credit with an average grade of C or better on all work elected and have satisfied the requirement in English composition.

For the spring term, 1943, the number of students concentrating in the various fields in the College of Literature, Science, and the Arts, is shown on the table below. Students with twenty-four or more hours on the degree program are considered to be of senior standing. The increase or decrease indicated represents the changes that have occurred between the second semester of the preceding year and this year.

Senior work.—Graduation requirements for students in the College of Literature, Science, and the Arts, the School of Education, the School of Music, and the School of Public Health were checked by two members of the staff. The degrees granted by the College of Literature, Science, and the Arts according to fields of concentration from July 1,

NUMBER OF STUDENTS CONCENTRATING IN THE VARIOUS FIELDS IN THE COLLEGE OF
LITERATURE, SCIENCE, AND THE ARTS, SPRING TERM, 1943; NUMBER OF
GRADUATES BY FIELDS FROM JULY 1, 1942, TO MAY 29, 1943.

FIELD OF CONCENTRATION	NUMBER OF CONCENTRATES				NUMBER OF DEGREES	
	Juniors	Seniors	Total	Change	Men	Women
English.....	54	92	146	— 51	22	84
Zoology.....	54	66	120	— 47	30	21
History.....	32	76	108	— 93	46	41
Chemistry.....	44	61	105	— 25	37	15
Economics.....	28	66	94	—124	79	20
Political Science.....	36	51	87	— 52	48	16
Psychology.....	38	36	74	9	11	22
Speech.....	32	41	73	— 37	10	36
Sociology.....	20	40	60	— 34	4	35
Social Work.....	25	18	43	— 3	2	26
Library Science.....	..	40	40	— 15	3	31
Mathematics.....	12	22	34	— 12	10	8
Science and Mathematics.....	7	25	32	— 20	18	5
Journalism.....	16	15	31	— 10	5	10
French.....	11	19	30	— 8	6	16
Geography.....	8	20	28	— 1	10	11
Spanish.....	11	15	26	— 3	2	14
Letters and Medicine.....	..	26	26	2	21	4
Physics.....	7	8	15	2	8	..
Honors in Liberal Arts.....	1	12	13	— 19	7	7
Social Studies.....	2	11	13	— 1	4	8
Geology.....	4	8	12	— 8	13	2
Letters and Nursing.....	6	6	12	1	..	2
Latin.....	..	10	10	— 9	..	8
German.....	7	2	9	— 8	3	4
Letters and Business Admin.....	..	8	8	— 16	12	1
Fine Arts.....	4	4	8	1	..	4
Botany.....	2	5	7	— 2	..	4
Philosophy.....	3	4	7	— 5	3	4
Letters and Law.....	..	6	6	— 12	10	1
Anthropology.....	1	5	6	— 5	2	1
Music.....	3	2	5	— 4	3	1
Mineralogy.....	..	2	2	..	1	1
History Honors.....	2	..	2	..	..	..
Old Plan.....	..	2	2	..	8	3
Oriental Civilizations.....	..	1	1	— 2	..	1
Religion and Ethics.....	..	1	1	1	..	..
Comparative Language.....	1	..	1	..	..	..
Oriental Lang. and Lit.....	1	..	1	1	..	..
Astronomy.....	..	..	..	— 1	..	..
Urban and Rural Community.....	..	..	..	— 1	..	..
American Culture.....	..	..	..	..	..	..
Greek.....	..	..	..	..	..	..
Letters and Forestry.....	..	..	..	..	..	..
Letters and Dentistry.....	..	..	..	..	..	..
Not formally admitted to field.....	138	8	146	6	..	..
Total.....	610	834	1,444	—603	440	465
Grand Total.....						905

1942, to May 29, 1943, inclusive, are shown in the above table. A tabulation of degrees granted by other units served by this office, is on page 224.

Transcripts.—The table below shows the number of transcripts issued and the amount of transcript fees received each month for the year beginning July 1, 1942, and ending June 30, 1943: (The transcript fee was reduced from \$1.00 to 50 cents by the Regents, April 8. The new fee went into effect Monday, April 12.)

MONTH	TRANSCRIPTS	AMOUNT RECEIVED	MONTH	TRANSCRIPTS	AMOUNT RECEIVED
July.....	896	\$236	January.....	597	\$161.00
August.....	889	251	February.....	1,241	300.00
September...	1,083	290	March.....	1,356	190.00
October.....	1,032	262	April.....	724	193.00
November...	662	182	May.....	731	110.50
December...	696	159	June.....	1,429	134.50

Total number of transcripts.....11,336
 Total amount received.....\$2,469

ADMISSIONS DIVISION

Admission requirements.—No change has been made by any school or college of the University in the admission requirements set up in December, 1934, for students entering from high school, with the exception of the College of Architecture and Design, which last year announced the following change: Beginning with the fall of 1944 it will be necessary for students wishing to enter the curriculum in decorative design, to offer one sequence from Group C which must include solid geometry. Under the present requirements, a sequence in this group is optional.

In the Division for Emergency Training a new program of twenty-four weeks in length, entitled, "Basic Curriculum Preparatory to War Service," is being offered for high-school students. The admission requirements for this curriculum are not so exacting as they are for the regular undergraduate colleges of the University in the sense that no specific pattern of units is necessary. In general, high-school graduates whose academic standing is above average may apply, provided they present two units of mathematics, preferably algebra and plane geometry, show no marked deficiencies in English and the social studies, and stand high in school citizenship as certified by a statement from the appropriate high-school official. In special instances, students who have completed the equivalent of three and one-half years of high school will be admitted if they meet the above requirements and have demonstrated superior scholarship. Such students are not advised to

enter the curriculum unless their high-school principals are willing to accept some of the credit earned and award the high-school diploma on the completion of the program.

In the Division for Emergency Training there is also being offered for high-school students a one-term program for prospective nurses, entitled, "Basic Science Curriculum for Nurses." The entrance requirements for this program are the same as the requirements for the School of Nursing of the University.

Beginning with June, 1943, the School of Forestry and Conservation will admit students from high school. The requirements for admission are the same as those of the College of Literature, Science, and the Arts, with a sequence in mathematics strongly urged. Previously, two years of college work was necessary before a student could begin his work in the School of Forestry and Conservation.

It has been noticed that more applications than usual have been received bearing the recommendation of the high school and with no explanatory statement, showing entrance credits which do not meet the sequence requirements for admission, especially applications for the College of Literature, Science, and the Arts. This office, of course, has not been able to approve these applications, and there seems to be a lack of understanding of the action on the part of some of the high-school principals.

The policy of recommending correspondence study courses offered by the Supervised Correspondence Study unit of the University has been continued for students whose preparation in certain fundamental fields has appeared weak, or when one-half or one additional unit was required for entrance.

This is the first year for the accelerated program, with a full term offered in the summer. Because of the war, the need for boys to secure as much education as possible in a short time, has resulted in some change in the distribution of applications received for the three admission periods, June, October, and February. There has been an increase in the numbers for June and February and some decrease for October.

Prognostic rating.—On the acceptance of each student for admission, based on the information contained in the application blank, a prediction is made of the probable degree of his success in the University. The various officers interested in personnel work with the freshmen use this rating as well as the results of the scholastic aptitude test and the achievement tests given to all freshmen their first week on the campus. The results of these tests are not used in making the prediction as they are not available when the student is accepted for admission.

In predicting the success of the students at the University, seven ratings have been used, one being the highest group and three being the lowest group. The table which follows gives the results of the predictions for the freshman class which entered in September, 1942, including freshmen in all colleges and divisions who completed the work of the first semester, with the exception of the dental hygienists and nurses.

GROUP	NO. OF STUDENTS	PER CENT	PER CENT OF GRADES*					INCOMPLETE
			A	B	C	D	E	
A1	128	7.5	22.9	10.6	3.9	.5	1.3	4.6
A1-	134	7.8	15.5	11.4	5.6	3.1	1.7	4.0
A2+	335	19.6	25.3	24.8	18.9	10.4	9.0	10.4
A2	473	27.6	23.3	29.1	30.6	25.0	19.5	24.6
A2-	222	13.0	5.4	10.8	14.8	17.5	13.6	13.2
A3+	144	8.4	3.0	5.1	9.8	13.1	16.8	9.3
A3	276	16.1	4.7	8.2	16.4	30.4	38.0	33.8

* For example: In group A1, 7.5 per cent of the students earned 22.9 per cent of the A grades.

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

This is to certify that, among the groups of students entering the University of Michigan in October, 1942, from the high schools of the state of Michigan, the group from Benton Harbor High School, consisting of the following freshmen: Merle Elliott Brown, Edith Louise DeBlois, Allen Robert Hennes, George Kellogg Hess, Jr., Robert Lawrence Hess, William Cameron Miller, Louis Herbert Ravitch, Zoe E. Shaffer, and Joyce Marilyn Siegan, by its combined record has received first honors for excellence in scholarship during the first term of resident study.

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

- 1938-39 Lincoln High School, Ferndale-Pleasant Ridge School District
- 1939-40 Three Rivers High School
- 1940-41 Grand Rapids Central High School
- 1941-42 Lansing Central High School

FRESHMAN ENROLLMENT BY SCHOOLS AND COLLEGES

Schools and Colleges	JUNE, 1942*			SEPTEMBER, 1942			FEBRUARY, 1943†			ENTIRE YEAR		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
L., S., & A.	134	28	162	488	566	1,054	68	62	130	690	656	1,346
Engineering.....	80	2	82	582	4	586	83	2	85	745	8	753
Architecture.....	2	..	2	29	31	60	4	..	4	35	31	66
Education.....	1	..	1	10	10	20	1	..	1	12	10	22
Music.....	5	4	9	17	34	51	1	4	5	23	42	65
Pharmacy.....	3	..	3	7	3	10	1	1	2	11	4	15
Dental Hygiene.....	..	..	..	..	7	7	..	..	..	..	7	7
Nursing.....	..	..	..	..	108	108	..	..	..	..	108	108
Total.....	225	34	259*	1,133	763	1,896	158	69	227†	1,516	866	2,382*†

*Includes 42 freshmen registered in the Summer Session — 29 men and 13 women.

†Does not include Division for Emergency Training in which 86 were registered through this office: { Basic Science Curriculum for Nurses — 59.
Basic Curriculum (men, 25 — women, 2) — 27

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FRESHMAN GRADE STUDY FOR SEPTEMBER ENTRANTS
(Withdrawals not included)

SCHOOLS AND COLLEGES	NO. OF STUDENTS GRADED	FALL TERM, 1942-43							GRADE POINT AVERAGE*
		HOURS							
		A	B	C	D	E	IX	TOTAL	
L., S., and A.	1,009	1,688	4,071	6,470	1,749	628	203	14,809	2.30
Per cent		11.4	27.5	43.7	11.8	4.2	1.4		
Engineering	568	1,174	2,865	3,365	772	405	326	8,907	2.42
Per cent		13.2	32.2	37.8	8.7	4.5	3.7		
Pharmacy	10	..	27	56	35	21	3	142	1.64
Per cent			19.0	3.94	24.6	14.8	2.1		
Dental Hygiene		Work not evaluated in terms of hours							
Architecture and Design	57	125	310	333	57	25	19	869	2.53
Per cent		14.4	35.7	38.3	6.6	2.9	2.2		
Education	20	16	66	139	60	12		293	2.05
Per cent		5.5	22.5	47.4	20.5	4.1			
Nursing		Work not evaluated in terms of hours							
Music	48	132	189	292	67	38		718	2.43
Per cent		18.4	26.3	40.7	9.3	5.3			
Total	1,712	3,135	7,528	10,655	2,740	1,129	551	25,738	2.35
Per cent		12.2	29.2	41.4	10.6	4.4	2.1		

SPRING TERM, 1942-43

L., S., and A.	774	1,513	3,650	4,744	988	248	148	11,291	2.47
Per cent		13.4	32.3	42.0	8.8	2.2	1.3		
Engineering	392	811	1,505	2,019	535	293	133	5,296	2.39
Per cent		15.3	28.4	38.1	10.1	5.5	2.5		
Pharmacy	8	..	31	43	35	16		125	1.71
Per cent			24.8	34.4	28.0	12.8			
Dental Hygiene		Work not evaluated in terms of hours							
Architecture and Design	43	85	204	223	72	34	27	645	2.38
Per cent		13.2	31.6	34.6	11.2	5.3	4.2		
Education	12	12	48	75	43			178	2.16
Per cent		6.7	27.0	42.1	24.2				
Nursing		Work not evaluated in terms of hours							
Music	40	116	209	230	26	17	2	600	2.64
Per cent		19.3	34.8	38.3	4.3	2.8	0.3		
Forestry	7	14	43	52	5	3		117	2.51
Per cent		12.0	36.8	44.4	4.3	2.6			
Total	1,276	2,551	5,690	7,386	1,704	611	310	18,252	2.44
Per cent		14.0	31.2	40.5	9.3	3.3	1.7		

* The scale used in figuring averages follows: A—4 points; B—3 points; C—2 points; D—1 point; E—0 points; IX—disregarded.

STATISTICAL SERVICE

Enrollment.—Whatever vitally affects the social or economic status of the people is reflected in the enrollment of the state university. By July 1, 1942, the emergencies of wartime were being keenly felt. It was generally conceded that this war, more than any previous one, would be decided upon the basis of brains and scientific achievement. Great numbers of men were chosen from the students, faculty, and alumni; and supplying the demand for specially trained men became the problem of institutions of higher education throughout the nation.

No definite plan concerning the total contribution that the universities might make to the all-out effort to end the war had been formulated, but it was generally conceded that speed in the completion of educational training was of almost primary importance. The colleges and universities were immediately confronted with the problem of stepping up the process of instruction as much as possible. At the University of Michigan the answer to this demand was, for the first time in the history of the institution, the creation of a summer term period equivalent in time and material offered to the fall and spring periods previously in effect. In the summer, 3,851 civilians attended the long term and 2,696 were in residence for the shorter session. This corresponded to a 1941 short session attendance of 5,055. In the 1942 term 81 per cent were men, in the session 37 per cent, and in both 63 per cent compared with 57 per cent in the session of 1941, showing a much larger percentage of men in residence for 1942 and definite intensified interest in the accelerated program, as might be expected. The objectionable features of year-round attendance, such as financial and work-experience losses, were apparently either willingly or necessarily disregarded by the students, and speeding up education was well under way by the opening of the fall term.

With the beginning of the fall term, the University stood ready to lend its services to aid the all-out war effort wherever and whenever possible. On August 19, 1942, the War Manpower Commission announced that "all able-bodied male students are destined for the armed forces. The responsibility for determining the specific training for such students is the function of the Army and Navy." Later the Secretary of War stated that the Army was greatly in need of men of specialized training particularly in physics, chemistry, engineering, and medicine. By early 1943, the Army Specialized Training Program was inaugurated. Because enrollments in the war training programs have been covered in another chapter of this report, remarks in this section will apply to civilian enrollments only.

At the close of the fourth week of the fall term 6,218 civilian men, 3,662 civilian women; or 9,880 civilian students had registered at the

University of Michigan. This represented a loss from the enrollment at a similar period last year of 17 per cent for the men, 2 per cent for the women, and 12 per cent for both. Enrollment decreases throughout the country were heavy. The "Annual Report on Statistics of Attendance in American Universities and Colleges," published in the December 19, 1942, issue of *School and Society*, by President Raymond Walters of the University of Cincinnati, is always interesting for comparison of university trends with those of the nation. For 52 colleges and universities under public control, not including the University of Michigan, this report showed a drop of 10 per cent in the regular session fall term enrollment, compared with the University loss of 12 per cent. Gains in fields designated as essential for the national defense under Selective Service regulations, engineering, medicine, nursing, and dentistry were evident on this campus, as elsewhere throughout the country. Enrollments in business administration and in public health also showed definite gains. Because of the age-group factor and selective service, the law and graduate schools showed the greatest losses.

In spite of a general decrease of 2.1 per cent in the number of women attending the University, the College of Literature, Science, and the Arts, the School of Business Administration, the School of Nursing, and the School of Public Health showed noticeable gains. With the induction of men into the service, it became the duty of the women of the country to assume positions of greater responsibility and to secure adequate educational backgrounds to enable them to carry on in the future, since no assurance seemed to be at hand that the conflict would be terminated with anything short of complete and prolonged effort. The women seem to be meeting the challenge.

During the early part of the fall term, students everywhere were being urged to stay in school. Government officials qualified their advice with "until called." At the University of Michigan, withdrawals to enlist in the armed forces were constantly taking place. Some men were accepted by one of the reserves, principally the Navy, and, if they maintained good scholastic records, they were allowed to remain in college to continue their programs; others were deferred to continue the study of science. The final fall term enrollment, disregarding those who received a complete refund of fees, was 6,248 civilian men; 3,708 civilian women; 9,956 total. For the spring term, 4,482 men; 3,611 women; 8,093 total students registered. This represents a loss from fall term registrations of 1,766 men (28 per cent); 97 women (3 per cent); 1,863 total (19 per cent). In the year 1941-42, a corresponding comparison between fall and spring term registrations showed decreases of only 697 men (9 per cent); 230 women (6 per cent); 927 total (8 per cent). For 1942-43 approximately 1,000 of the decrease in enrollment between fall and spring took place in the College of Literature,

Science, and the Arts and 600 in the College of Engineering, the two largest undergraduate and nonprofessional units, where registrants were draft age and not exempt because of essential professional study.

For the past few years, University of Michigan enrollments for the term periods have been compared with those for twenty-three state-supported colleges and universities selected from the Annual Enrollment Report of the American Association of Collegiate Registrars. The institutions whose enrollments have been included in the total figure were chosen because of type of support and because their enrollments at the time of the first comparison were 5,000 or over. For 1942-43, three of the original institutions selected did not report and three of them had fallen below the original 5,000. If the University of Michigan is excluded, the 20 who reported showed a decrease of 9.1 per cent in term enrollments, corresponding to a University of Michigan loss of 9.7 per cent, for the fall and spring terms.

Within the United States, sectional groups shifted little from the distribution of a year ago, with a slightly higher percentage from the South Atlantic and North Central groups and a somewhat smaller from the North Atlantic, South Central, and Western states. From outside the United States, Hawaii sent 35 students last year and only 22 in 1942-43.

Enrollments from outside continental United States in 1941-42 were 416 and, in 1942-43, this number decreased to 340, a loss of 76 students (18 per cent). Austria, Bermuda, Greece, Indo-China, Japan, Palestine, Paraguay, Salvador, and Scotland were represented this year and were not last year, and students from Bulgaria, Crete, Chosen, Dutch East Indies, France, Hungary, Netherlands, New Zealand, and Slovakia did not return. China, with 61 a year ago, was represented by 47 in 1942-43, many of them students stranded here because of the misfortunes of war. Thailand sent 11 students last year and 5 this. Chile was represented by an unusually large group of 25, compared with 11 last period. Ecuador sent 29 in 1941-42 and only 4 this year; Venezuela sent 19 last and 2 this. These last two large decreases may probably be explained by the International Conference of New Education Fellowship held in the summer of 1941 and not repeated during the past year. Representatives from Peru increased in number from 3 to 8 and those from Mexico from 1 to 11.

These few hundreds of students from other lands are an important part of our student body. We are just at the entrance of the air age. Exciting changes come to mind when one reads that "Moscow is 600 miles nearer New York than Seattle; from Seattle to Calcutta is only 7,300 air miles compared with 12,000 miles sea route; granting the establishment of already foreseen aid to air navigation, New York is 26 air hours instead of 25 sea days from Capetown." Foreign students now being trained in our colleges and universities have blazed the trail,

which will undoubtedly be filled with increasing numbers from other corners of the earth. In the years ahead, the University cannot fail to benefit greatly from the rich experiences of students from other lands. In return, it is prepared to give freely of its interest, time, and facilities with the hope that these contacts may be of such character that a more complete understanding and a more enduring peace may spread throughout the world.

Degrees.—With the acceleration of the educational program, many students completed their work at the close of the summer period and in February. Summer term graduation exercises were held as a means of giving public recognition to the academic achievement of this group, as well as to the motives which impelled them to take part in the University effort to speed the training of men and women for much needed national service. The exercises were held prior to the examinations to permit individuals to enter upon new duties at the earliest possible moment. Degrees were not actually conferred at the exercises but the names appeared in the program of those who, by successfully meeting the requirements of the several curricula, would be eligible for degrees at the end of the summer term. The address to the graduating classes, upon "The Challenge of the World Crisis," was delivered by I. Leo Sharfman, A.B., LL.B., Professor of Economics and Chairman of the Department of Economics, now serving as a member of the Railway Mediation Board. In September and October, 793 students received their degrees after completion of the required work. On January 23 the University of Michigan inaugurated its first midyear Commencement and presented 829 candidates with a scroll, with diplomas to follow when all requirements were successfully completed. Diplomas were granted to 746 of this group. The address was delivered by Lyman Bryson, Professor of Education, Teachers College, Columbia University, the Chief of the Bureau of Special Operations, Office of War Information. The regular order of exercises was observed. On May 29 the ninety-ninth spring term Commencement was held in Hill Auditorium for 1,047 graduates. President Ruthven delivered the address.

During the entire year 1942-43, 493 fewer degrees in course were granted than in 1941-42, a decrease of about 16 per cent corresponding to an enrollment decrease of 11 per cent. Approximately 100 fewer degrees were conferred for work in the College of Literature, Science, and the Arts. The Law School, with a greatly decreased enrollment, granted only 58 degrees or about one-third as many as it had the previous year. The Graduate School, with a loss of 33 per cent in enrollment, granted 730 degrees or 26 per cent fewer than a year ago. The College of Engineering, with a gain of 13 per cent in enrollment, conferred 59 more degrees than last year, an increase of about 15 per cent.

In the School of Dentistry, 13 (41 per cent) more degrees than a year ago were granted. In the School of Business Administration, the new degree of Bachelor of Business Administration, conferred at the completion of two years of work in that school was conferred for the first time. Under this new arrangement, 8 students received the degree of B.B.A. The number of degrees of Master of Business Administration decreased from 62 to 33 or a drop of 47 per cent, corresponding to an increase of 65 students or 44 per cent in enrollment. This difference may be explained by the new plan of allowing students to enter the School at the completion of only two years of college study instead of after the three or four formerly required.

Faculty.—For term instruction, 821 faculty members held teaching positions compared with 833 in 1941–42. For the short summer session, the number decreased from 410 to 205. An article appearing in the April 10, 1943, issue of *School and Society*, indicates that the higher educational institutions have lost 7,000 staff members since 1941–42. Estimates published by the United States Office of Education show that these institutions suffered a net loss of 5.1 per cent. The number of women increased 1.8 per cent, leaving the loss of men 7.6 per cent. At the University of Michigan, constant changes in faculty personnel took place during the year—some were inducted into service, some enlisted, some changed from instructional positions to industry.

Withdrawals.—Departures to enter the armed forces, to become a part of the industrial war production plan, or for various other reasons, usually in some way related to the war, took place daily during the year. In some instances scholarship suffered because of “nerves” and anxiety on the part of the students to make a more tangible contribution to the effort to bring the war to a successful conclusion. On the whole, fewer students were requested to leave because of scholarship, and a general attitude of attention to the serious business of completing study programs satisfactorily was evident. A more detailed analysis of withdrawals will appear in the following report.

Freshman grade reports.—The grades earned by entering freshmen were grouped by schools, and the grade-point averages were computed. They were also distributed according to registrar’s rating and courses and grade-point averages figured. The freshman ledger, giving courses elected, grades earned, test results, registrar’s rating, and rank in graduating class was printed and bound for use in the Admissions Division.

Grades.—As usual, the Statistical Service reported the grades for the six units recorded in the Registrar’s Office to each unit. For

the 1942 summer session there were approximately 3,411 grades; for the summer term, 5,855; for the fall term, 24,231 grades; and for the spring term, 19,130 grades. Because of the unusually large number of withdrawals and the policy adopted by the University of prorating hours for those who had satisfactorily completed part of their work prior to departure, this part of the work of this office required much more time and effort than has been necessary in previous years. Depleted staffs in department offices and change of instructional staff also added to the general confusion brought about by the changes arising from wartime emergencies.

Co-operation with the University News Service.—Enrollment and degree information was supplied at the customary times, and, because of special war needs, additional data were furnished whenever requested.

Remarks.—This office has been seriously affected by University change and our own loss of personnel during 1942–43. When National Youth Administration service was available, certain tasks were assigned to this group. Without this service or comparable assistance, some work previously undertaken must now remain undone. During the year 1942–43 all except one member of the staff of the Statistical Service of the Registrar's Office left. In two instances, persons replacing these staff members also resigned. Of the only two members of the staff with any experience, one left early in the year. Between each departure and replacement some time elapsed before it was possible to fill the vacancy. This is one of the few services on campus dealing with the records of all students in the University and the volume of work is such that, unless the office is properly staffed with experienced personnel, it is impossible to complete certain phases of it. A sufficiently large group of staff members is now assigned to this office but they are still inexperienced and must be trained. It is our sincere hope that we may retain our clerical staff so that 1943–44 records may be properly compiled and reported. Never before in the history of this office has there been so much statistical information of interest to present. May we contribute our share to the successful operation of the University during the difficult period that lies ahead.

STUDENT STATISTICS

TABLE I

ENROLLMENT OF RESIDENT STUDENTS IN SUMMER, FALL, AND SPRING TERMS

UNIVERSITY UNIT	1942-43 ENROLLMENT			GAIN OR LOSS FROM 1941-42*	
	Men	Women	Total	Number	Per Cent
L., S., and A.	2,537	2,438	4,975	24	.5
Engineering.	2,581	19	2,600	397	18.0
Medical.	472	33	505	31	6.5
Law.	164	10	174	-237	-57.7
Pharmacy.	47	22	69	- 3	- 4.2
Dentistry.	216	35	251	30	13.6
Architecture and Design.	157	132	289	- 28	- 8.8
Education.	62	176	238	- 16	- 6.3
Business Administration.	176	36	212	84	65.6
Forestry and Conservation.	89	1	90	- 20	-18.2
Nursing. ....	..	291	291	67	29.9
Music.	81	177	258	- 46	-15.1
Public Health.	41	129	170	29	20.6
Graduate.	866	902	1,768	-712	-28.7
Emergency Training (noncontract).	26	68	94	94	†
Gross Total.	7,515	4,469	11,984		
Duplicates between Units.	197	87	284		
Net Total.	7,318	4,382	11,700	-384	- 3.2

* There was no summer term in 1941-42.

† Not offered in 1941-42.

SUMMER SESSION STUDENTS

UNIVERSITY UNIT	1942 ENROLLMENT			GAIN OR LOSS FROM 1941	
	Men	Women	Total	Number	Per Cent
L., S., and A.	190	224	414	- 266	- 39.1
Engineering.	18	0	18	- 344	- 95.0
Medical.	68	9	77	- 44	- 36.4
Law.	11	0	11	- 172	- 94.0
Pharmacy.	1	2	3	- 9	- 75.0
Dentistry.	9	0	9	- 4	- 30.8
Architecture and Design.	4	4	8	- 56	- 87.5
Education.	10	138	148	- 132	- 47.1
Business Administration.	0	0	0	- 34	-100.0
Forestry and Conservation.	5	0	5	- 39	- 88.6
Nursing. ....	..	..	..	..	..
Music.	88	146	234	- 97	- 29.3
Public Health.	14	43	57	57	*
Graduate.	568	1,146	1,714	-1,226	- 41.7
Gross Total.	986	1,712	2,698		
Duplicates between Units.	0	2	2		
Net Total.	986	1,710	2,696	-2,359	- 46.7

* Included in Education and Graduate in 1941.

EXTENSION SERVICE STUDENTS IN CREDIT COURSES

UNIVERSITY UNIT	1942-43 ENROLLMENT			GAIN OR LOSS FROM 1941	
	Men	Women	Total	Number	Per Cent
L., S., and A.....	604	701	1,305	169	14.9
Engineering.....	18	..	18	-121	- 87.1
Architecture and Design.....	..	..	..	- 77	-100.0
Education.....	14	36	50	-378	- 88.3
Business Administration.....	12	9	21	4	23.5
Forestry and Conservation.....	2	6	8	8	*
Music.....	5	7	12	- 36	- 75.0
Public Health.....	13	85	98	- 79	- 44.6
Graduate.....	35	95	130	130	*
Emergency Training (noncontract).....	20	14	34	34	*
Gross Total.....	723	953	1,676		
Duplicates between Units.....	8	20	28		
Net Total.....	715	933	1,648	-336	-16.9

* Not offered in 1941.

The following numbers of students, included above, were enrolled in correspondence extension credit courses offered by the University. The figures represent only those students who enrolled between July 1, 1942, and July 1, 1943:

<i>Credit</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>
L., S., and A.....	100	58	158
Engineering.....	18	0	18
Net Total.....	118	58	176
Duplicates with class.....	2	1	3

The following were enrolled in noncredit courses: 3,571 men, 2,718 women, total, 6,289.

TABLE II
ENROLLMENT OF RESIDENT TERM STUDENTS AND 1942 SUMMER SESSION STUDENTS

UNIVERSITY UNIT	1942-43 RESIDENT ENROLLMENT			GAIN OR LOSS FROM 1941-42	
	Men	Women	Total	Number	Per Cent
L., S., and A.....	2,637	2,558	5,195	- 58	- 1.1
Engineering.....	2,595	19	2,614	- 309	13.4
Medical.....	488	38	526	- 21	- 3.8
Law.....	174	10	184	- 311	-62.8
Pharmacy.....	48	22	70	- 5	- 6.7
Dentistry.....	219	35	254	26	11.4
Architecture and Design.....	157	132	289	- 49	-14.5
Education.....	67	300	367	- 136	-27.0
Business Administration.....	176	36	212	65	44.2
Forestry and Conservation.....	89	1	90	- 22	-19.6
Nursing.....	..	291	291	67	29.9
Music.....	164	284	448	- 135	-23.2
Public Health.....	54	168	222	81	57.4
Graduate.....	1,309	1,855	3,164	-1,563	-33.1
Emergency Training (noncontract).....	26	68	94	94	*
Gross Total.....	8,203	5,817	14,020		
Duplicates between Units.....	226	95	321		
Net Total.....	7,977	5,722	13,699	-1,681	-10.9

* Not offered in 1941-42.

TABLE III
ENROLLMENT OF STUDENTS IN ALL TERMS, SUMMER SESSION, AND EXTENSION SERVICE CREDIT COURSES*

UNIVERSITY UNIT	1942-43 ENROLLMENT			GAIN OR LOSS FROM 1941-42	
	Men	Women	Total	Number	Per Cent
L., S., and A.....	3,228	3,237	6,465	100	1.6
Engineering.....	2,612	19	2,631	191	7.8
Medical.....	488	38	526	- 21	- 3.8
Law.....	174	10	184	- 311	-62.8
Pharmacy.....	48	22	70	- 5	- 6.7
Dentistry.....	219	35	254	26	11.4
Architecture and Design.....	157	132	289	- 126	-30.4
Education.....	81	334	415	- 515	-55.4
Business Administration.....	188	45	233	69	42.1
Forestry and Conservation.....	91	7	98	- 14	-12.5
Nursing.....	..	291	291	67	29.9
Music.....	169	290	459	- 172	-27.3
Public Health.....	67	253	320	3	.9
Graduate.....	1,333	1,923	3,256	-1,471	-31.1
Emergency Training (noncontract).....	46	82	128	128	†
Gross Total.....	8,901	6,718	15,619		
Duplicates between Units.....	260	157	417		
Net Total.....	8,641	6,561	15,202	-1,966	-11.5

* The only extension students included in this tabulation are those enrolled in courses for which credit may be given. Although the Extension Service students do not enroll in the Schools or Colleges, they have been grouped according to the division of the University from which instructors offering courses have been drawn.

† Not offered in 1941-42.

TABLE IV A
1942-43 TERM ENROLLMENTS

UNIVERSITY UNIT	SUMMER TERM			FALL TERM			SPRING TERM		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
L., S., & A.....	957	325	1,282	2,193	2,212	4,405	1,358	2,108	3,466
Engineering.....	1,148	5	1,153	2,236	14	2,250	1,643	15	1,658
Medical.....	317	19	336	462	31	493	366	23	389
Law.....	117	5	122	107	9	116	64	9	73
Pharmacy.....	19	6	25	43	19	62	31	17	48
Dentistry.....	55	..	55	211	35	246	156	29	185
Architecture and Design.....	54	26	80	137	118	255	76	106	182
Education.....	10	29	39	58	133	191	30	149	179
Business Administration.....	96	9	105	131	18	149	98	29	127
Forestry and Conservation.....	39	..	39	62	..	63	56	1	57
Nursing.....	..	172	172	..	241	241	..	219	219
Music.....	23	22	45	63	155	218	41	152	193
Public Health.....	16	52	68	27	80	107	24	62	86
Graduate.....	281	72	353	567	653	1,220	553	643	1,196
Emergency Training (noncontract).....	..	..	..	2	2	4	25	67	92
Gross Total.....	3,132	742	3,874	6,300	3,720	10,020	4,251	3,629	8,150
Duplicates between Schools and Colleges....	18	5	23	52	12	64	39	18	57
Net Total.....	3,114	737	3,851	6,248	3,708	9,956	4,482	3,611	8,093

TABLE IV B

1942-43 SINGLE TERM ENROLLMENTS*

UNIVERSITY UNIT	SUMMER TERM ONLY			FALL TERM ONLY			SPRING TERM ONLY		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
L., S., and A.....	196	55	251	616	186	802	142	168	310
Engineering.....	219	2	221	405	1	406	121	3	124
Medical.....	5	2	7	7	1	8	5	..	5
Law.....	47	..	47	13	..	13	10	1	11
Pharmacy.....	2	1	3	8	2	10	2	1	3
Dentistry.....	4	..	4	56	6	62	1	..	1
Architecture and Design.....	12	8	20	52	16	68	8	6	14
Education.....	2	9	11	24	13	37	2	34	36
Business Administration.....	28	2	30	21	2	23	17	16	33
Forestry and Conservation.....	6	..	6	10	..	10	20	1	21
Nursing.....	..	48	48	..	19	19	..	..	..
Music.....	11	5	16	26	14	40	6	17	23
Public Health.....	8	29	37	6	21	27	4	19	23
Graduate.....	122	38	160	148	214	362	172	209	381
Emergency Training (noncontract).....	..	..	..	1	1	2	24	66	90
Gross Total.....	662	199	861	1,393	496	1,889	534	541	1,075
Duplicates between Units.....	53	14	67	80	40	120	92	60	152
Net Total.....	609	185	794	1,313	456	1,769	442	481	923

* Students may also be enrolled in the Session or Extension Service.

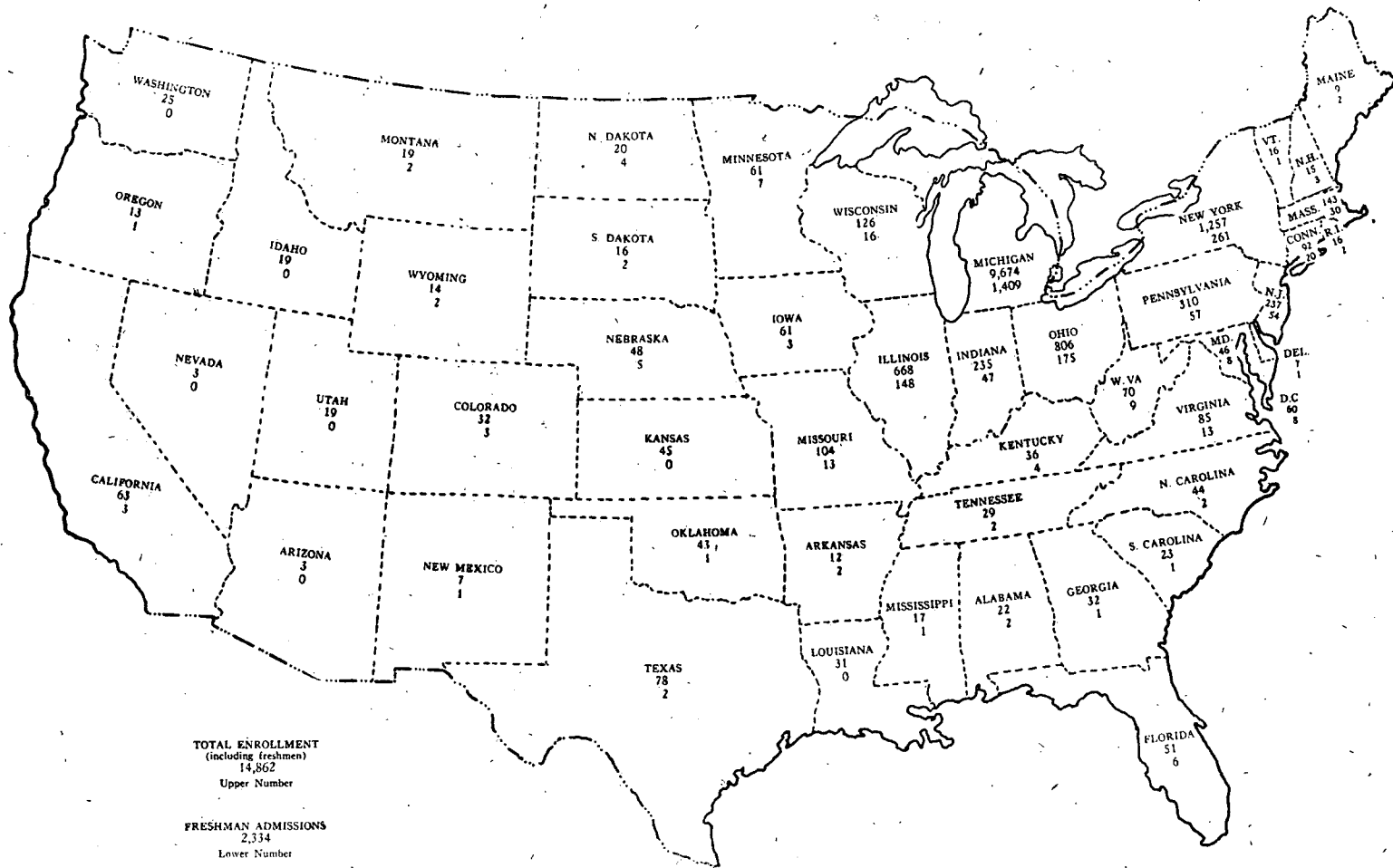
TABLE V
MICHIGAN STUDENTS BY COUNTIES

COUNTIES IN MICHIGAN	POPULATION 1940 CENSUS	PUBLIC HIGH-SCHOOL ENROLLMENT, 1941-42	MICHIGAN HIGH SCHOOLS ACCREDITED BY THE UNIVERSITY				UNIVERSITY OF MICHIGAN FRESHMEN, 1942-43	UNIVERSITY OF MICHIGAN STUDENTS, 1942-43*
			Number of Schools		Graduates 1941-42			
			Public	Nonpublic	Public	Nonpublic		
Alcona	5,463	130	1	0	26	0	0	2
Alger	10,167	622	4	0	136	0	5	12
Allegan	41,839	1,596	8	0	355	0	8	61
Alpena	20,766	808	1	2	184	42	5	19
Antrim	10,964	560	6	0	117	0	1	4
Arenac	9,233	547	2	0	85	0	1	6
Baraga	9,356	560	2	0	120	0	0	6
Barry	22,613	1,210	6	0	255	0	2	21
Bay	74,981	2,705	2	5	560	112	10	85
Benzie	7,800	405	3	0	71	0	1	8
Berrien	89,117	4,419	15	3	956	69	38	135
Branch	25,845	857	4	0	241	0	7	63
Calhoun	94,206	4,476	7	2	899	44	16	128
Cass	21,910	937	4	0	201	0	5	41
Charlevoix	13,031	684	4	0	131	0	2	14
Cheboygan	13,644	562	2	0	110	0	1	4
Chippewa	27,807	1,328	4	1	245	17	7	34
Clare	9,163	460	3	0	108	0	1	7
Clinton	26,671	1,135	5	0	211	0	5	16
Crawford	3,765	219	1	0	38	0	0	3
Delta	34,037	1,668	4	1	348	47	7	32
Dickinson	28,731	2,236	6	0	443	0	11	46
Eaton	34,124	1,924	8	0	418	0	4	70
Emmet	15,791	841	4	0	172	0	4	19
Genesee	227,944	12,884	18	3	2,541	143	41	338
Gladwin	9,385	481	2	0	102	0	1	6
Gogebic	31,797	2,068	5	1	465	34	14	64
Grand Traverse	23,390	1,018	2	1	194	20	7	31
Gratiot	32,205	1,618	6	0	324	0	4	20
Hillsdale	29,092	1,438	7	0	217	0	1	40
Houghton	47,631	2,489	9	1	529	29	7	37
Huron	32,584	1,142	9	0	267	0	2	19
Ingham	130,616	6,710	13	2	1,458	126	17	138
Ionia	35,710	1,682	6	1	303	24	6	32
Iosco	8,560	570	4	0	120	0	2	9
Iron	20,243	1,325	5	0	295	0	11	45
Isabella	25,982	1,026	4	1	202	23	4	41
Jackson	93,108	4,176	11	3	808	114	23	175
Kalamazoo	100,085	3,990	10	3	853	160	13	245
Kalkaska	5,159	202	1	0	32	0	0	6

* Including all terms, 1942 summer session, and extension enrollments in credit courses.

TABLE V (Cont.)

COUNTIES IN MICHIGAN	POPULATION 1940 CENSUS	PUBLIC HIGH-SCHOOL ENROLLMENT, 1941-42	MICHIGAN HIGH SCHOOLS ACCREDITED BY THE UNIVERSITY				UNIVERSITY OF MICHIGAN FRESHMEN, 1942-43	UNIVERSITY OF MICHIGAN STUDENTS, 1942-43*
			Number of Schools		Graduates 1941-42			
			Public	Nonpublic	Public	Nonpublic		
Kent	246,338	9,952	21	4	2,283	520	39	434
Keweenaw	4,004	0	0	0	0	0	0	2
Lake	4,798	167	2	0	36	0	0	2
Lapeer	32,116	1,569	6	0	302	0	6	31
Leelanau	8,436	398	3	1	51	20	1	6
Lenawee	53,110	2,509	12	3	564	53	15	102
Livingston	20,863	1,021	5	0	209	0	8	35
Luce	7,423	311	2	0	79	0	1	5
Mackinac	9,438	348	2	0	39	0	0	6
Macomb	107,638	5,564	18	2	1,050	88	24	90
Manistee	18,450	955	5	0	213	0	5	22
Marquette	47,144	2,079	8	3	471	109	10	78
Mason	19,378	836	2	1	185	34	7	30
Mecosta	16,902	931	5	0	189	0	2	17
Menominee	24,883	1,371	3	0	242	0	4	20
Midland	27,094	1,263	2	0	213	0	11	41
Missaukee	8,034	374	3	0	90	0	0	3
Monroe	58,620	2,322	7	1	469	69	15	66
Montcalm	28,581	1,483	9	0	333	0	5	32
Montmorency	3,840	243	1	0	39	0	1	2
Muskegon	94,501	4,229	6	3	819	59	9	118
Newaygo	19,286	930	4	0	177	0	2	21
Oakland	254,068	13,843	25	7	2,583	268	130	606
Oceana	14,812	672	4	0	163	0	6	23
Ogemaw	8,720	349	1	0	49	0	1	5
Ontonagon	11,359	608	6	0	137	0	1	4
Osceola	13,309	864	5	0	167	0	3	13
Oscoda	2,543	189	2	0	37	0	0	1
Otsego	5,827	230	1	1	28	15	1	8
Ottawa	59,660	2,645	6	1	578	49	13	109
Presque Isle	12,250	697	2	0	96	0	1	7
Roscommon	3,668	205	2	0	33	0	0	2
Saginaw	130,468	5,590	6	4	1,005	162	31	139
St. Clair	76,222	3,337	7	2	690	93	11	120
St. Joseph	31,749	1,664	8	0	385	0	17	56
Sanilac	30,114	1,592	7	0	326	0	3	21
Schoolcraft	9,524	516	1	0	72	0	1	5
Shiawassee	41,207	2,026	8	1	413	28	15	52
Tuscola	35,694	1,896	10	0	398	0	2	20
Van Buren	35,111	1,872	11	0	462	0	5	43
Washtenaw	80,810	3,467	8	3	639	141	165	1,403
Wayne	2,015,623	82,628	39	54	15,215	3,004	542	3,767
Wexford	17,976	1,025	4	0	225	0	2	25
Total	5,256,106	238,478	507	121	46,894	5,716	1,409	9,674



TOTAL ENROLLMENT
(including freshmen)
14,862
Upper Number

FRESHMAN ADMISSIONS
2,334
Lower Number



TABLE VI
1942-43 GEOGRAPHICAL DISTRIBUTION OF STUDENTS

RESIDENCE	ALL TERMS															Net Total All Terms	1942 Summer Session	Extension Service	Net Total Entire University
	L., S., & A.	Engineering	Medical	Law	Pharmacy	Dentistry	Arch. & Des.	Education	Business Ad.	For. & Con.	Nursing	Music	Pub. Health	Graduate	Emer. Train. (noncontract)				
UNITED STATES																1,934	217	-15	2,095
<i>North Atlantic—16.53 per cent*</i>	967	642	29	22	13	19	32	34	30	12	14	46	7	114	2				
Connecticut.....	39	25	3	2	1	..	1	1	3	2	..	4	..	8	..	87	7	1	92
Maine.....	4	2	..	..	..	..	..	..	..	..	..	..	..	2	..	8	2	..	9
Massachusetts.....	60	43	1	2	..	1	..	2	2	..	2	1	1	15	..	126	18	2	143
New Hampshire.....	6	3	..	1	..	1	..	..	..	..	..	..	..	1	..	12	3	..	15
New Jersey.....	117	61	3	1	1	2	5	2	5	4	2	7	1	14	..	222	27	..	237
New York.....	584	439	16	8	10	15	21	22	16	3	6	20	1	57	1	1,185	100	10	1,257
Pennsylvania.....	142	67	6	7	1	..	3	5	3	3	2	11	4	15	1	265	56	1	310
Rhode Island.....	9	1	..	1	..	..	1	..	1	..	..	1	..	..	..	14	2	1	16
Vermont.....	6	1	..	..	..	..	1	2	..	..	2	2	..	2	..	15	2	..	16
<i>South Atlantic—2.39 per cent*</i>	115	58	12	3	2	5	4	4	3	4	3	9	6	54	..	280	156	3	418
Delaware.....	6	..	..	..	..	..	..	..	..	1	..	..	..	..	..	6	1	..	7
District of Columbia.....	23	16	1	..	1	..	2	1	2	2	..	..	1	7	..	56	4	2	60
Florida.....	21	7	4	1	..	1	1	1	1	..	1	1	1	2	..	41	12	..	51
Georgia.....	5	..	..	..	..	1	..	..	..	..	1	..	..	10	..	17	16	..	32
Maryland.....	19	8	..	2	1	..	..	..	..	..	1	2	2	5	..	40	9	..	46
North Carolina.....	3	..	1	..	..	..	..	..	..	..	..	3	..	9	..	16	34	..	44
South Carolina.....	2	..	2	..	..	..	..	1	..	..	..	..	..	8	..	13	12	..	23
Virginia.....	14	17	2	..	..	1	..	..	..	1	..	1	..	12	..	48	39	1	85
West Virginia.....	22	10	2	..	..	2	1	1	..	..	..	2	2	1	..	43	29	..	70

<i>North Central—75.65 per cent*</i>	3,767	1,767	416	127	52	216	232	197	168	68	271	189	121	1,383	92	8,851	2,099	1,620	11,864
Illinois	292	132	5	9	2	4	23	18	14	15	10	9	32	28	..	577	108	6	668
Indiana	108	21	4	4	..	1	10	5	1	..	14	12	6	13	2	200	50	..	235
Iowa	12	6	..	1	..	..	..	2	..	1	..	8	2	6	..	38	24	..	61
Kansas	5	5	..	2	..	..	..	..	..	..	..	3	3	7	..	24	22	1	45
Michigan	2,890	1,392	359	87	45	202	173	158	134	24	215	136	57	1,252	86	7,042	1,645	1,599	9,674
Minnesota	21	6	5	2	..	..	1	2	1	..	..	2	..	8	..	47	17	..	61
Missouri	22	23	1	2	2	..	2	1	..	6	..	2	2	12	1	75	35	2	104
Nebraska	11	8	3	1	..	..	1	1	1	..	2	2	1	2	..	33	16	1	48
North Dakota	4	3	2	..	..	..	..	..	..	..	1	2	2	2	..	16	5	..	20
Ohio	353	144	33	14	1	9	17	11	12	15	27	12	8	44	3	682	151	7	806
South Dakota	8	1	..	1	..	..	2	..	..	..	..	1	..	2	..	14	2	..	16
Wisconsin	41	26	4	4	2	..	1	1	4	8	2	..	8	7	..	103	24	4	126
<i>South Central—1.34 per cent*</i>	40	25	6	7	..	2	5	..	2	1	..	7	12	52	..	157	125	1	268
Alabama	4	1	..	..	..	1	..	..	..	..	..	..	..	7	..	13	10	..	22
Arkansas	6	1	..	..	..	..	..	1	..	..	..	1	..	2	..	10	3	..	12
Kentucky	7	2	4	3	..	..	1	..	1	..	..	..	..	5	..	23	17	..	36
Louisiana	2	3	..	..	..	..	1	..	..	..	..	2	4	4	..	16	16	..	31
Mississippi	4	2	..	..	..	..	..	..	..	..	..	1	1	1	..	8	9	..	17
Oklahoma	11	3	..	1	..	..	..	..	1	..	2	3	10	..	..	31	14	..	43
Tennessee	5	2	1	..	..	1	1	..	..	..	..	2	2	..	..	14	16	..	29
Texas	1	11	1	3	..	..	2	..	..	..	..	1	2	21	..	42	40	1	78
<i>Western—1.57 per cent*</i>	49	32	21	5	..	5	7	1	4	3	3	6	6	46	..	184	41	2	217
Arizona	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	2	..	3
California	14	10	4	3	..	1	2	1	3	1	..	1	1	15	..	54	9	1	63
Colorado	12	5	1	..	..	1	2	..	..	1	1	4	..	3	..	30	4	..	32
Idaho	2	2	2	..	..	..	..	..	1	1	..	..	2	6	..	16	3	..	19
Montana	7	2	3	..	..	..	1	..	..	..	..	..	..	2	..	15	8	..	19
Nevada	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	2	1	..	3
New Mexico	2	1	..	..	..	..	..	..	..	..	..	1	1	1	..	6	1	..	7
Oregon	1	2	3	..	..	..	..	..	..	..	1	..	..	4	..	10	3	..	13
Utah	2	3	..	..	..	2	1	..	..	..	..	2	7	..	..	17	2	..	19
Washington	2	3	6	1	..	1	..	..	..	..	..	..	6	..	..	18	7	1	25
Wyoming	5	4	2	1	..	..	..	..	..	..	1	..	..	1	..	14	1	..	14
Total, United States	4,938	2,524	484	164	67	247	280	236	207	88	291	257	152	1,649	94	11,406	2,638	1,641	14,685

* These percentages apply to the net total enrollments for all terms.

TABLE VI—1942-43 GEOGRAPHICAL DISTRIBUTION OF STUDENTS (Cont.)

COUNTRIES, PROVINCES, ETC.	ALL TERMS													Net Total All Terms	1942 Summer Session	Extension Service	Net Total Entire University		
	L., S., & A.	Engineering	Medical	Law	Pharmacy	Dentistry	Arch. & Des.	Education	Business Ad.	For. & Con.	Nursing	Music	Pub. Health					Graduate	Emer. Train. (noncontract)
<i>Africa—03 per cent*</i>	2	..	..	..	..	..	..	..	1	..	3	..	..	3
South Africa.....	..	..	..	..	..	2	..	..	..	..	..	..	..	1	..	3	..	..	3
<i>Canada and Newfoundland— 38 per cent*</i>	7	22	..	..	..	1	..	2	..	..	..	..	..	17	..	45	13	5	62
Canada:																			
Alberta.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
British Columbia.....	3	..	..	..	..	..	..	..	..	..	..	..	..	2	..	4	..	..	4
Manitoba.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Ontario.....	4	20	..	..	..	1	..	1	..	..	..	..	..	10	..	33	9	5	46
Quebec.....	..	2	..	..	..	..	..	1	..	..	..	..	..	5	..	8	..	..	8
Saskatchewan.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Newfoundland.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
<i>British Isles, Iceland, Europe, United Soviet Socialist Republics—08 per cent*</i> ..	1	3	2	..	..	..	..	..	..	..	..	..	..	3	..	9	1	..	10
Austria.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
England.....	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	2
Greece.....	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	2
Iceland.....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
Scotland.....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
Spain.....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1
Sweden.....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1
Switzerland.....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1
<i>Far East—48 per cent*</i>	7	8	5	..	..	..	..	1	..	..	..	2	34	..	56	14	..	..	61
China.....	5	6	4	..	..	..	..	1	..	..	..	2	27	..	44	12	..	..	47
India.....	1	..	..	..	..	..	..	..	..	..	..	..	4	..	5	1	..	..	6
Indo-China.....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1
Japan.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1
Manchuria.....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1
Thailand.....	..	1	..	..	..	..	..	..	..	..	..	..	3	..	4	1	..	..	5

<i>in America—80 per cent*</i>	9	19	2	6	1	1	4	..	1	2	..	1	16	32	..	94	23	1	114
Argentina.....	1	1	..	1	..	..	..	..	..	..	..	..	..	2	..	5	1	..	6
Bermuda Island.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
Bolivia.....	..	2	..	..	..	..	1	..	..	..	..	..	..	..	..	3	..	..	3
Brazil.....	1	2	..	..	..	..	1	..	..	..	..	..	..	4	..	8	3	..	10
Chile.....	..	1	..	..	..	..	..	..	..	1	..	..	1	18	..	21	4	..	25
Colombia.....	1	6	1	1	..	..	3	..	..	..	..	..	..	..	..	12	1	..	13
Costa Rica.....	1	..	..	..	..	..	..	..	..	..	..	..	2	1	..	4	..	..	4
Ecuador.....	..	1	..	..	..	..	..	..	..	..	..	1	1	..	..	3	1	..	4
Guatemala.....	..	1	..	..	..	..	..	..	..	..	..	..	2	..	..	3	..	..	3
Honduras.....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1
Mexico.....	1	2	..	..	..	..	..	..	..	..	..	..	2	2	..	7	3	1	11
Nicaragua.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1
Panama.....	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	2	1	..	3
Paraguay.....	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	2	1	..	3
Peru.....	1	..	..	1	..	..	..	..	..	1	..	..	..	2	..	5	5	..	8
Salvador.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Venezuela.....	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	2	..	..	2
West Indies (excluding Puerto Rico).....	2	3	..	1	..	..	..	..	1	..	..	..	6	1	..	14	2	..	15
<i>Near East—27 per cent*</i>	1	16	..	..	..	1	1	..	..	..	..	..	..	17	..	32	3	..	34
Iran.....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
Iraq.....	..	4	..	..	..	..	..	..	..	..	..	..	..	2	..	6	..	..	6
Palestine.....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	2
Syria.....	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..	..	2
Turkey.....	1	10	..	..	..	..	1	..	..	..	..	..	..	13	..	22	2	..	23
<i>U.S. Territories and Island Possessions—47 per cent*</i>	12	8	12	4	1	1	3	2	1	..	..	..	..	15	..	55	4	1	56
Alaska.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
Hawaii.....	5	3	5	4	1	..	1	1	..	..	..	..	..	4	..	22	..	..	22
Philippine Islands.....	1	..	..	..	..	..	..	1	..	..	..	..	..	11	..	12	3	..	12
Puerto Rico.....	5	5	7	..	..	1	2	..	1	..	..	..	..	..	..	20	1	1	21
Total Outside Continental U.S.	37	76	21	10	2	4	9	2	5	2	..	1	18	119	..	294	58	7	340
Total U.S.....	4,938	2,524	484	164	67	247	280	236	207	88	291	257	152	1,649	94	11,406	2,638	1,641	14,862
Total Students.....	4,975	2,600	505	174	69	251	289	238	212	90	291	258	170	1,768	94	11,700	2,696	1,648	15,202

* These percentages apply to the net total enrollments for all terms.

TABLE VII

ENROLLMENT FROM 1843 TO 1943

YEAR	TOTAL	YEAR	TOTAL
1843-44.....	53	1918-19 (not including 2,258 Sec. B., S.A.T.C.).....	7,288
1849-50.....	72	1919-20.....	9,401
1858-59.....	430	1920-21.....	10,623
1869-70.....	1,112	1921-22.....	11,120
1879-80.....	1,427	1922-23.....	11,450
1890-91.....	2,420	1923-24.....	12,291
1899-1900.....	3,441	1924-25.....	12,312
1900-01.....	3,712	1925-26.....	12,690
1901-02.....	3,709	1926-27.....	13,257
1902-03.....	3,792	1927-28.....	13,593
1903-04.....	3,957	1928-29.....	13,769
1904-05.....	4,136	1929-30.....	15,154
1905-06.....	4,571	1930-31.....	15,500
1906-07.....	4,746	1931-32.....	14,826
1907-08.....	5,010	1932-33.....	13,257
1908-09.....	5,223	1933-34.....	12,301
1909-10.....	5,383	1934-35.....	13,691
1910-11.....	5,381	1935-36.....	16,040*
1911-12.....	5,582	1936-37.....	18,043*
1912-13.....	5,805	1937-38.....	18,851*
1913-14.....	6,258	1938-39.....	19,591*
1914-15.....	6,857	1939-40.....	19,596*
1915-16.....	7,214	1940-41.....	18,899*
1916-17.....	7,517	1941-42.....	17,168*
1917-18.....	6,734	1942-43.....	15,202*

NOTE.—This table includes regular session students, summer session students, and those taking extension courses for which credit may be given.

* Including students enrolled in correspondence extension credit courses:

1935-36.....	360
1936-37.....	1,051
1937-38.....	906
1938-39.....	927
1939-40.....	992
1940-41.....	932
1941-42.....	456
1942-43.....	176

TABLE VIII
ENROLLMENT BY MEN AND WOMEN DISTRIBUTED OVER A TEN-YEAR PERIOD

YEAR	REGULAR SESSION			PREVIOUS SUMMER			EXTENSION CREDIT			NET TOTAL		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
1933-34	6,287	2,486	8,773	2,005	957	2,962	707	1,121	1,828	8,007	4,294	12,301
Per cent	71.7	28.3		67.7	32.3		38.7	61.3		65.1	34.9	
1934-35	6,835	2,737	9,572	2,127	1,145	3,272	919	1,305	2,224	8,862	4,829	13,691
Per cent	71.4	28.6		65.0	35.0		41.3	58.7		64.7	35.3	
1935-36	7,503	2,898	10,401	2,586	1,480	4,066	1,324	1,919	3,243	10,166	5,874	16,040
Per cent	72.1	27.9		63.6	36.4		40.8	59.2		63.4	36.6	
1936-37	8,011	3,328	11,339	2,887	1,641	4,528	1,877	2,203	4,080	11,349	6,694	18,043
Per cent	70.6	29.4		63.8	36.2		46.0	54.0		62.9	37.1	
1937-38	8,263	3,514	11,777	3,110	2,000	5,110	1,762	2,287	4,049	11,628	7,223	18,851
Per cent	70.2	29.8		60.9	39.1		43.5	56.5		61.7	38.3	
1938-39	8,731	3,703	12,434	3,642	2,129	5,771	1,588	2,202	3,790	12,238	7,353	19,591
Per cent	70.2	29.8		63.1	36.9		41.9	58.1		62.5	37.5	
1939-40	9,131	3,880	13,011	3,582	2,012	5,594	1,544	1,761	3,305	12,546	7,050	19,596
Per cent	70.2	29.8		64.0	36.0		46.7	53.3		64.0	36.0	
1940-41	8,904	3,971	12,875	3,512	2,168	5,680	1,204	1,406	2,610	11,969	6,930	18,899
Per cent	69.2	30.8		61.8	38.2		46.1	53.9		63.3	36.7	
1941-42	7,967	4,117	12,084	2,872	2,183	5,055	831	1,153	1,984	10,328	6,840	17,168
Per cent	65.9	34.1		56.8	43.2		41.9	58.1		60.2	39.8	
1942-43	7,318	4,382	11,700	986	1,710	2,696	715	933	1,648	8,641	6,561	15,202
Per cent	62.5	37.5	*	36.6	63.4		43.4	56.6		56.8	43.2	

* For the first time students were registered in a summer term. This figure is a net total of summer, fall, and spring term enrollments.

TABLE IX

DEGREES AND CERTIFICATES CONFERRED IN 1942-43

	MEN	WOMEN	TOTAL
College of Literature, Science, and the Arts			
Bachelor of Arts	344	390	734
Bachelor of Arts in Library Science.....	3	31	34
Bachelor of Science	75	39	114
Bachelor of Science in Chemistry.....	18	5	23
College of Engineering			
Bachelor of Science in Engineering			
Aeronautical Engineering.....	99	1	100
Chemical Engineering.....	97	1	98
Civil Engineering.....	22	0	22
Electrical Engineering.....	49	0	49
Engineering Mechanics.....	2	0	2
Mathematics	8	0	8
Mechanical Engineering	120	0	120
Metallurgical Engineering.....	26	0	26
Naval Architecture and Marine Engineering.....	23	0	23
Physics	4	0	4
Transportation	6	0	6
Medical School			
Doctor of Medicine.....	92	6	98
Law School			
Bachelor of Laws.....	41	1	42
Juris Doctor.....	11	0	11
Master of Laws.....	4	0	4
Doctor of the Science of Law.....	1	0	1
College of Pharmacy			
Bachelor of Science in Pharmacy.....	10	5	15
School of Dentistry			
Doctor of Dental Surgery.....	43	2	45
College of Architecture and Design			
Bachelor of Architecture			
Architecture	5	0	5
Architectural Engineering.....	6	0	6
Bachelor of Design	6	18	24
Bachelor of Landscape Architecture.....	1	0	1
Bachelor of Science in Architecture			
Architecture	8	0	8
Architectural Engineering.....	1	0	1
School of Education			
Bachelor of Arts in Education.....	6	67	73
Bachelor of Science in Education.....	2	18	20
School of Business Administration			
Bachelor of Business Administration.....	8	0	8
Master of Business Administration.....	30	3	33
School of Forestry and Conservation			
Bachelor of Science in Forestry.....	29	0	29
Master of Forestry	3	0	3
School of Music			
Bachelor of Music			
Music Education	11	22	33
Music Literature	0	1	1
Organ	1	1	2
Piano	1	0	1
Theory	1	2	3
Violin	0	1	1

TABLE IX (Cont.)

DEGREES AND CERTIFICATES CONFERRED IN 1942-43

	MEN	WOMEN	TOTAL
Master of Music			
Composition	3	0	3
Music Education	18	18	36
Musicology	1	1	2
Organ	4	1	5
Piano	0	1	1
Theory	1	3	4
Violin	2	1	3
Voice	0	2	2
School of Public Health			
Bachelor of Science in Public Health Nursing	0	10	10
Master of Public Health	19	4	23
Doctor of Public Health	1	0	1
Rackham School of Graduate Studies			
Master of Arts	179	277	456
Master of Arts in Library Science	3	14	17
Master of Clinical Psychology	1	6	7
Master of Design	0	2	2
Master of Landscape Architecture	1	0	1
Master of Public Administration	1	0	1
Master of Science	92	16	108
Master of Science in Chemistry	6	1	7
Master of Science in Engineering	8	0	8
Master of Science in Public Health	6	4	10
Master of Science in Public Health Engineering	1	0	1
Master of Social Work	1	8	9
Metallurgical Engineer	1	0	1
Doctor of Education	1	0	1
Doctor of Philosophy	85	9	94
Doctor of Public Health	1	0	1
Doctor of Science	5	1	6
Special Certificates and Diplomas			
Certificate in Anesthesia	0	3	3
Certificate in Dental Hygiene	0	15	15
Certificate in Journalism	3	6	9
Certificate in Public Health Nursing	0	22	22
Certificate of Proficiency in Postgraduate Medicine	6	0	6
Teacher's Certificates			
State Secondary Provisional Certificates			
College of Architecture and Design	2	5	7
School of Education	6	27	33
College of Literature, Science, and the Arts	13	78	91
School of Music	9	22	31
School of Public Health	0	3	3
Horace H. Rackham School of Graduate Studies	3	4	7

TABLE IX (Cont.)

DEGREES AND CERTIFICATES CONFERRED IN 1942-43

	MEN	WOMEN	TOTAL
Teacher's Certificates (Cont.)			
State Elementary Provisional Certificates			
School of Education	0	53	53
College of Literature, Science, and the Arts.....	1	1	2
Horace H. Rackham School of Graduate Studies....	0	2	2
Junior College Permanent Certificates			
Horace H. Rackham School of Graduate Studies....	1	1	2
Registered Nurse's Diplomas.....	0	44	44
Commissions			
U.S. Army Officers Reserve Corps			
Infantry	1	0	1
Naval Reserve Officers Training Corps.....	1	0	1
Honorary Degree			
Master of Science:			
Grover Cleveland Penberthy			

SUMMARY OF DEGREES AND CERTIFICATES

	1941-42			1942-43			GAIN OR LOSS
	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	
Total degrees in course.....	2,193	951	3,144	1,658	993	2,651	-493
Special certificates and diplomas.	118	302	420	44	286	330	- 90
Commissions							
U.S. Army Officers Reserve Corps	93	0	93	1	0	1	- 92
Naval Reserve Officers Training Corps.....	0	0	0	1	0	1	1
Honorary degrees.....	14	0	14	1	0	1	- 13

FACULTY STATISTICS

1942-43

UNIVERSITY STAFF BY RANKS

1. OFFICERS AND FACULTY EMERITUS:

Dean Emeritus of Women	1
Dean Emeritus of the College of Engineering.....	1
Dean Emeritus of the Colleges of Engineering and Architecture.....	1
Dean Emeritus of the Medical School.....	1
Dean Emeritus of the Law School.....	1
Dean Emeritus of the School of Education.....	1
Professors Emeritus:	
College of Literature, Science, and the Arts.....	17
College of Engineering	3
Medical School.....	4
Law School.....	3
College of Architecture and Design.....	1
School of Education.....	3
Physical Education and Athletics.....	1
Director Emeritus of the University Extension Service.....	1
Librarian Emeritus.....	1
Associate Librarian Emeritus.....	1
Associate Professors Emeritus:	
College of Literature, Science, and the Arts.....	5
College of Engineering	1
 Total	 47
*Duplicates	5
 Net Total.....	 42

2. TEACHING FACULTY:

	Men	Women	Total
†Regular Session:			
Professors	238	4	242
Associate Professors	147	8	155
Assistant Professors	176	15	191
Instructors	192	41	233
 Total	 753	 68	 821
1942 Summer Session:			
Professors	65	0	65
Associate Professors	39	6	45
Assistant Professors	27	5	32
Instructors	38	25	63
 Total	 169	 36	 205
Net Total Regular Session and 1942 Summer Session:			
Professors	246	4	250
Associate Professors	150	8	158
Assistant Professors	178	15	193
Instructors	198	47	245
 Total	 772	 74	 846

* Professor Emeritus of Educational Administration and Supervision and Dean Emeritus of the School of Education; Professor Emeritus of Bacteriology and Dean Emeritus of the Medical School; Professor Emeritus and Director Emeritus of the University Extension Service; Professor Emeritus of Law and Dean Emeritus of the Law School; Professor Emeritus of Naval Architecture and Marine Engineering and Dean Emeritus of the College of Engineering.

† Based upon the budget as originally adopted.

1942-43 DISTRIBUTION OF TEACHING FACULTY BY SCHOOLS AND COLLEGES

RANK																Net Total for All Terms†	1942 Summer Session	Net Total 1942-43	
	L., S., & A.	Engineering	Medical	Law	Pharmacy	Dentistry	Arch. & Des.	Education	Business Ad.	For. & Con.	Nursing	Music	Pub. Health	Graduate*	Physical Ed.				Military Sci.
Professor.....	96	41	24	15	2	9	5	14	10	7	1	10	9	3	2	1	242	65	250
Associate Professor.....	80	27	19	1	1	3	7	5	1	4	..	3	2	2	2	..	155	45	158
Assistant Professor.....	77	32	28	..	1	8	6	4	1	..	1	8	6	..	12	9	191	32	193
Instructor.....	61	19	70	..	1	21	6	6	..	1	17	16	10	..	7	..	233	63	245
Total.....	314	119	141	16	5	41	24	29	12	12	19	37	27	5	23	10	821	205	846

* Other faculty teaching graduate courses are included in other Schools and Colleges.

† The following duplicates have been deducted from these totals: Professors, L., S., & A. and Ed., 2; L., S., & A. and Grad., 1; L., S., & A. and Bus. Ad., 1; Med. and Pub. Health, 2; Ed. and Phys. Ed. & Ath., 1. Associate Professors, L., S., & A. and Ed., 1; Dent. and Pub. Health, 1. Assistant Professors, L., S., & A. and Bus. Ad., 1; Ed. and Phys. Ed. & Ath., 1. Instructors, Med. and Dent., 1; Ed. and Phys. Ed. & Ath., 1.

EDITORIAL DIVISION

The publications issued by the Editorial Division during 1942-43 consisted of the 109 serials of Volume 44 of the "University of Michigan Official Publication" and 71 nonserials. For a list of the serial publications, see pages 40-42.

Among the new serials during the year were the following: "The International Center," "Basic Curriculum Preparatory to War Service," "Emergency Training Program for Government Administrative Service," "Extension Service Courses for Government Administrative Service," "Program in Regional Administration and Reconstruction," "Housing Facilities at the University of Michigan (Illustrated)," "Forestry Courses Open to High-School Graduates," "School of Public Health, Summer Session and Summer Term," "Emergency Training Program for Secretaries, Executive Aides, and Other Office Personnel," "Wood Technology—A New Professional Field," "Detroit Program, Summer Session, 1943," "The Rehabilitation of Cleft Palate Cases," "Fellowships in Forestry and Wood Technology for Graduate Students from the Other American Republics," and "War Training Program, Summer, 1943."

Some of the nonserial publications issued during the year were: *Michigan Pamphlets*, Nos. 16, 17, and 18 ("An Experiment in Community Improvement," "Administration and Financing of Public Relief," and "State Aid in Michigan"), *Michigan Governmental Studies*, Nos. 10, 11, and 13 ("Michigan Politics in Transition," "The Role of the Governor of Michigan in the Enactment of Appropriations," and "The Financing of Public Schools in America"), "Survey of Transfer Admissions in Colleges and Universities," Forestry and Conservation *Circular*, No. 6 ("Importance of Fungi and Defects in Handling Alaskan Airplane Spruce"), and *Bulletin*, No. 10 ("Causes of Hemlock Mortality in Northern Michigan"), "Inter-American Postgraduate Courses in Dentistry," "Curriculum in Medical Technology," "Emergency Training Illustrated Booklet," "Catalogue of Metalwork from Islamic Countries," *Ars Islamica*, Vol. IX, Parts 1 and 2, *The University of Michigan; An Encyclopedic Survey*, Part III ("The College of Literature, Science, and the Arts"), and three books, *Lexington to Fallen Timbers, 1775-1794*, *John Mix Stanley and His Indian Paintings*, and *The Centennial Celebration of the College of Literature, Science, and the Arts*.

The Editorial Division also proofread the galleys and page proof on the *Regents' Proceedings*, *May Festival Libretto*, *Occasional Papers* and *Miscellaneous Publications of the Museum of Zoology*, *Contributions from the Laboratory of Vertebrate Biology*, *Contributions from the University Herbarium*, and *The Fort Ancient Aspect*.

The 1942-43 *Register of Staff and Graduates* was compiled as in previous years to serve as a permanent record of administrative officers

and committees and the University staff, as well as of students receiving degrees and certificates and of those completing advanced courses in military training. The period covered was from July 1, 1942, through June 30, 1943.

The 1942-43 *University Directory*, containing faculty, officers, staff, and associated organizations, was issued shortly after the opening of the fall term. With the largest number of members on leave of absence for the year, it seemed practicable to list their names at the back of the bulletin, indicating in each case the nature of the leave granted by the Board of Regents.

Respectfully submitted,

IRA M. SMITH, *Registrar*

ADMINISTRATIVE PUBLICATIONS OF THE UNIVERSITY*
UNIVERSITY OF MICHIGAN OFFICIAL PUBLICATION

SERIAL
NO.

VOLUME 44†

1. A List of Selected Books for Secondary School Libraries. 46 pp.
2. School of Education Supplementary Announcement, 1942-43. 12 pp.
3. The International Center. 18 pp.
4. War Training at the University of Michigan, Fall and Spring Terms, 1942-43. 48 pp.
5. School of Music Announcement, 1942-43. 132 pp.
6. School of Music Abridged Announcement, Fall Term, 1942-43. 12 pp.
7. Poster—Field Course in Education. 2 pp.
8. University of Michigan Weekly Calendar. Vol. 3, No. 1. 2 pp.
9. School of Forestry and Conservation Announcement, 1942-43, 1943-44. 52 pp.
10. University of Michigan Weekly Calendar. Vol. 3, No. 2. 2 pp.
11. Thirteenth Annual Parent Education Institute, 1942. 8 pp.
12. University of Michigan Weekly Calendar. Vol. 3, No. 3. 2 pp.
13. University of Michigan Directory, 1942-43. 204 pp.
14. University of Michigan Weekly Calendar. Vol. 3, No. 4. 2 pp.
- †15. Financial Report of the University of Michigan for the Year Ended June 30, 1942. 92 pp.
16. University of Michigan Weekly Calendar. Vol. 3, No. 5. 2 pp.
17. University of Michigan Weekly Calendar. Vol. 3, No. 6. 2 pp.
18. Library Extension Service Poster—Do You Know Your Part In America's War Effort? 2 pp.
19. University of Michigan Weekly Calendar. Vol. 3, No. 7. 2 pp.
20. University of Michigan Weekly Calendar. Vol. 3, No. 8. 2 pp.
21. University of Michigan Weekly Calendar. Vol. 3, No. 9. 2 pp.
22. University of Michigan Weekly Calendar. Vol. 3, No. 10. 2 pp.
23. University of Michigan Weekly Calendar. Vol. 3, No. 11. 2 pp.

* These publications are edited by the Editorial Office, Registrar's Office.

† This series includes official announcements of courses and reports.

‡ Not handled by the Editorial Office.

SERIAL

NO.

24. Dental Alumni Bulletin, December, 1942. 16 pp.
25. University of Michigan Weekly Calendar. Vol. 3, No. 12. 2 pp.
- *26. Bureau of Alumni Relations—38th General Bulletin, 1942. 16 pp.
27. University of Michigan Weekly Calendar. Vol. 3, No. 13. 2 pp.
28. Fourth Annual Michigan Pastors' Conference, 1943. 8 pp.
29. School of Music Abridged Announcement, Spring Term, 1943. 12 pp.
30. University of Michigan Weekly Calendar. Vol. 3, No. 14. 2 pp.
31. School of Education Supplementary Announcement, Spring Term, 1943. 2 pp.
32. Extension Credit and Noncredit Courses, Spring Term, 1943: 24 pp.
33. War Production Conference for Foremen, 1943. 6 pp.
34. Basic Curriculum Preparatory to War Service, 1943. 8 pp.
35. Emergency Training Program for Government Administrative Service, 1943. 8 pp.
36. University of Michigan Weekly Calendar. Vol. 3, No. 15. 2 pp.
37. The University of Michigan, What It Is, What It Does, Its War Service. 32 pp.
38. University of Michigan Weekly Calendar. Vol. 3, No. 16. 2 pp.
39. Extension Service Courses for Government Administrative Service, 1943. 8 pp.
40. Summer Session Preliminary Announcement, 1943. 12 pp.
41. The President's Report for 1941-42. 380 pp.
42. University of Michigan Weekly Calendar. Vol. 3, No. 17. 2 pp.
43. University of Michigan Weekly Calendar. Vol. 3, No. 18. 2 pp.
44. University of Michigan Weekly Calendar. Vol. 3, No. 19. 2 pp.
45. Program in Regional Administration and Reconstruction. 8 pp.
46. Popular Lecture Series Offered by the Department of Geology. 4 pp.
47. School of Nursing Announcement, 1942-43. 40 pp. (Reprint of Vol. 43, No. 76.)
48. University of Michigan Weekly Calendar. Vol. 3, No. 20. 2 pp.
49. Summer Calendar for 1943. 2 pp.
50. Report of the Registrar of the University, 1941-42. 48 pp. (Reprinted from the President's Report for 1941-42.)
51. Michigan Schoolmasters' Club Official Program, 1943. 40 pp.
52. University of Michigan Weekly Calendar. Vol. 3, No. 21. 2 pp.
53. University of Michigan Weekly Calendar. Vol. 3, No. 22. 2 pp.
54. Workshop in Adjustment Problems of Late Childhood and Early Adolescence, S.S., 1943: 8 pp. (Formerly Guidance and Adjustment in the Summer Camp.)
55. University of Michigan Weekly Calendar. Vol. 3, No. 23. 2 pp.
- †56. A Pictorial Description of the University. 20 pp.
57. Law School Announcement, 1942-43, 1943-44. 64 pp.
58. Biological Station, Thirty-fifth Session, S.S., 1943. 16 pp.
59. University of Michigan Weekly Calendar. Vol. 3, No. 24. 2 pp.
60. University of Michigan Weekly Calendar. Vol. 3, No. 25. 2 pp.
61. The Avery Hopwood and June Hopwood Awards, Bulletin No. 6, Summer Session and Summer Term, 1943. 4 pp.
62. Forestry Courses Open to High School Graduates. 4 pp.
63. Basic Curriculum Preparatory to War Service, June, 1943. 8 pp.
64. University of Michigan Weekly Calendar. Vol. 3, No. 26. 2 pp.
65. Calendar for 1943-44. 2 pp.
66. Directions for Registration and Classification, Fall Term, 1943-44. 24 pp.
67. University of Michigan Weekly Calendar. Vol. 3, No. 27. 2 pp.
68. National Music Camp, Interlochen, Michigan, S.S., 1943. 20 pp.
69. The Co-ordinated Workshops, School of Education, S.S., 1943. 16 pp.
70. School of Public Health, Summer Session and Summer Term, 1943. 12 pp.
71. University of Michigan Weekly Calendar. Vol. 3, No. 28. 2 pp.
- *72. Bureau of Alumni Relations—39th General Bulletin, 1943. 16 pp.
73. Statement on Academic Credit—Basic Curriculum Preparatory for War Service. 2 pp.
74. Summer Courses in Music at the University and at the National Music Camp. 2 pp.

† Partly handled by the Editorial Office.

* Not handled by the Editorial Office.

SERIAL

- NO.
75. Housing of Men Students. 2 pp.
 76. Western Michigan War Production Conference for Foremen, 1943. 6 pp.
 77. Eighth Annual High School Instrumental Clinic, S.S., 1943. 8 pp.
 78. Graduate Division—Western Michigan College of Education, S.S., 1943. 12 pp.
 79. Graduate Division—Northern Michigan College of Education, S.S., 1943. 12 pp.
 80. Graduate Division—Central Michigan College of Education, S.S., 1943. 8 pp.
 81. Graduate Division—Michigan State Normal College, S.S., 1943. 12 pp.
 82. Summer Session Complete Announcement, 1943. 128 pp.
 83. School of Business Administration, Supplementary Announcement, Summer Term, 1943. 4 pp.
 84. University of Michigan Weekly Calendar. Vol. 3, No. 29. 2 pp.
 85. The Annual Report of the Faculty of the Law School to the President and Board of Regents. 12 pp. (Combined Annual Report and reprint from the President's Report for 1941-42.)
 86. Report of University Health Service, 1941-42. 20 pp. (Reprint from the President's Report for 1941-42.)
 87. Emergency Training Program for Secretaries, Executive Aides, and Other Office Personnel, June, 1943. 8 pp.
 88. University of Michigan Weekly Calendar. Vol. 3, No. 30. 2 pp.
 89. Wood Technology—A New Professional Field. 12 pp.
 - *90. Death Notices, 1941-42. 32 pp.
 91. School of Architecture and Design Announcement, 1943-44. 72 pp. (Reprint in part of Vol. 43, No. 122.)
 92. Detroit Program, S.S., 1943. 12 pp.
 93. Institute of Public and Social Administration—Curriculum in Social Work, 1943-44. 32 pp.
 94. Calendar for 1943-44. 2 pp.
 95. The Rehabilitation of Cleft Palate Cases. 6 pp.
 96. Fellowships in Forestry and Wood Technology for Graduate Students from the Other American Republics. 4 pp.
 97. Department of Speech Announcement, S.S., 1943. 16 pp.
 98. Program in Regional Administration and Reconstruction, Supplementary Announcement, Summer, 1943. 4 pp.
 99. Fifteenth Annual Michigan Fire College, 1943. 6 pp.
 100. College of Literature, Science, and the Arts, Summer Term, 1943. 56 pp.
 101. Proceedings of the Twenty-ninth Annual Highway Conference, 1943. 100 pp.
 102. Statement Regarding Graduate Instruction. 2 pp.
 103. Curriculum in Dental Hygiene. 20 pp.
 104. University of Michigan Weekly Calendar. Vol. 4, No. 1. 2 pp.
 - *105. War Training Program, Summer, 1943. 72 pp.
 106. Regulations for Residence Halls for Women. 8 pp.
 107. University of Michigan Weekly Calendar. Vol. 4, No. 2. 2 pp.
 108. University of Michigan Weekly Calendar. Vol. 4, No. 3. 2 pp.
 109. Seventh Annual Retail Coal Utilization Institute, 1943. 4 pp.

* Not handled by the Editorial Office.

† Partly handled by the Editorial Office.

THE UNIVERSITY OF MICHIGAN WAR TRAINING PROGRAM*

The following tabulation gives each course which was sponsored by the United States Office of Education through the Engineering Defense Training Program (1941), the Engineering, Science, and Management Defense Training Program (1941-42), and the Engineering, Science, and Management War Training Program (1942-43).

Courses given in Detroit are merely listed; courses given in Ann Arbor are in italic; courses given in other centers are marked with the name of the center.

Full-time courses are usually 30 to 48 hours per week, as indicated in the Hrs/Wk column.

The last two columns give: the total number enrolled in the course at any time; the number who received certificates of successful completion of the course. This has an exception in the last few courses on ESMWT, which will be current until August and September, and for which figures on successful completion are not yet available.

ENGINEERING DEFENSE TRAINING COURSE SUMMARY

Course	Origin of Request	Personnel	Hrs/Wk	Wks.	Began	Ended	En-rolled	Cer-tificate
Airport Runways and Low-Cost Roads	Engineers.....	Highway Engineers...	2	16	2-24-41	6-14-41	31	31
Foundations and Underground Con- struction.....	Engineers in Industry..	Engineers in Industry..	2	16	2-27-41	6-14-41	20	20
Highway Engineering.....	Engineers.....	Highway Engineers...	2	16	2-24-41	6-14-41	20	20
Industrial Engineering.....	Engineers in Industry..	Engineers in Industry..	4	16	2-28-41	6-17-41	92	92
Practical Mechanics and Strength of Materials.....	Engineers in Industry..	Engineers in Industry..	4	18	2-26-41	6-27-41	41	40
Mechanical Vibrations.....	Engineers in Industry..	Engineers in Industry..	4	18	2-24-41	6-24-41	24	24
Aircraft Power Plants.....	Engineers in Industry..	Engineers in Industry..	4	16	2-25-41	6-12-41	52	51
Frequency Modulation.....	Engineers in Industry..	Engineers in Industry..	4	8	2-25-41	5-2-41	49	49
Explosives.....	Engineers in Industry..	Engineers in Industry..	4	18	2-25-41	6-26-41	45	45
Machinability of Metals.....	Engineers in Industry..	Engineers in Industry..	4	18	2-26-41	6-26-41	40	40
Machine Design.....	Engineers in Industry..	Engineers in Industry..	4	16	3-17-41	6-30-41	33	33
Aircraft Power Plants (Highland Park)	Engineers in Industry..	Engineers in Industry..	4	10	6-23-41	8-28-41	65	48
Airport Runways and Low-Cost Roads	Engineers.....	Highway Engineers...	4	8	6-23-41	8-13-41	18	12

*Enrollees in courses beginning in May, 1943, and extending beyond June 30, 1943, whose names are not included, will appear in the 1943-44 Register.

ENGINEERING DEFENSE TRAINING COURSE SUMMARY (Cont.)

Course	Origin of Request	Personnel	Hrs/Wk	Wks.	Began	Ended	Enrolled	Certificate
<i>Engineering Drawing, Descriptive Geometry, and Mechanism</i>	Survey of Need in Area	Employees of Industry..	10	10	6-23-41	9- 2-41	42	24.
Machinability of Metals (Highland Park).....	Engineers in Industry..	Engineers in Industry..	4	10	6-23-41	8-28-41	30	20
Manufacturing of Nitric Acid, Chlorine, and Other Heavy Chemicals (Highland Park).....	Engineers in Industry..	Engineers in Industry..	4	10	6-23-41	8-28-41	12	8
Mechanical Vibrations (Highland Park).....	Engineers in Industry..	Engineers in Industry..	4	10	6-23-41	8-28-41	20	12
Metallurgy of Important Industrial Metals (Highland Park).....	Engineers in Industry..	Engineers in Industry..	4	10	6-23-41	8-27-41	64	35
Practical Mechanics and Strength of Materials (Highland Park).....	Engineers in Industry..	Engineers in Industry..	4	10	6-23-41	8-27-41	26	16
Principles of Engineering (given in six centers) (Highland Park).....	Surveys of Need in Teaching Areas.....	Trainees for Industrial Jobs.....	30	8	6-23-41	8-18-41	75	129
Pyrometry and Industrial Furnace Control (Highland Park).....	Engineers in Industry..	Engineers in Industry..	4	10	6-23-41	8-28-41	24	24
X-Ray Studies of Engineering Materials (Highland Park).....	Engineers in Industry..	Engineers in Industry..	4	10	6-23-41	8-27-41	28	27

ENGINEERING, SCIENCE, AND MANAGEMENT DEFENSE TRAINING COURSE SUMMARY

Course	Origin of Request	Personnel	Hrs/Wk	Wks.	Began	Ended	En-rolled	Cer-tificate
Advanced Thermodynamics (Jackson)	Engineers in Industry..	Engineers in Industry..	2	8	10-15-41	12- 9-41	20	16
Aircraft Power Plants.....	Engineers in Industry..	Engineers in Industry..	4	8	10-14-41	12- 3-41	42	23
Airport Runways and Low-Cost Roads (Wayne).....	Engineers.....	Highway Engineers.....	3	8	10-15-41	12- 9-41	46	28
Air Sanitation in Industry.....	Engineers in Industry..	Engineers in Industry..	4	8	10-14-41	12- 3-41	44	36
Alloy Steels.....	Engineers in Industry..	Engineers in Industry..	4	8	10-14-41	12-10-41	31	27
Arc Welding Fundamentals (Jackson).	Engineers in Industry..	Engineers in Industry..	4	8	10-15-41	12-10-41	26	26
Circuit Analysis by Symmetrical Components.....	Engineers in Industry..	Engineers in Industry..	4	8	10-14-41	12- 3-41	35	26
Concrete Mixtures.....	Engineers in Industry..	Engineers in Industry..	4	8	10-15-41	12- 9-41	15	15
Diesel Engine Power Plants.....	Engineers in Industry..	Engineers in Industry..	4	8	10-15-41	12- 9-41	36	30
Elementary Electrical Engineering (Jackson).....	Engineers in Industry..	Engineers in Industry..	4	8	10-15-41	12- 9-41	29	21
Introduction to Shipbuilding.....	Engineers in Industry..	Engineers in Industry..	4	8	10-15-41	12-11-41	19	9
Machinability of Metals (Jackson and Detroit).....	Engineers in Industry..	Engineers in Industry..	4	8	10-14-41	12- 9-41	19	11
Mathematical Methods in Engineer- ing Drawing.....	Engineers in Industry..	Engineers in Industry..	4	8	10-15-41	12- 9-41	36	20
Mechanical Drawing.....	Surveys of Need.....	Employees of Industry..	4	8	10-15-41	12- 5-41	47	32
Mechanical Vibrations.....	Engineers in Industry..	Engineers in Industry..	4	8	10-14-41	12- 3-41	16	13
Metallurgy of Important Industrial Metals (Jackson and Highland Park)	Engineers in Industry..	Engineers in Industry..	4	8	10-14-41	12- 9-41	79	60
Nitric Acid, Chlorine, and Other Heavy Chemicals.....	Engineers in Industry..	Engineers in Industry..	4	8	10-14-41	12- 3-41	14	9
Ordnance Inspection.....	Detroit Ordnance District.....	Detroit Ordnance District Employees..	2	8	10-16-41	12-12-41	310	146
Photoelectric Cells.....	Engineers in Industry..	Engineers in Industry..	4	8	10-15-41	12- 9-41	12	8
Pyrometry and Industrial Furnace Control.....	Engineers in Industry..	Engineers in Industry..	4	8	10-14-41	12- 3-41	19	14
Reinforced Concrete.....	Engineers in Industry..	Engineers in Industry..	4	8	10-15-41	12- 9-41	29	23
Review of Statics.....	Engineers in Industry..	Engineers in Industry..	4	8	10-14-41	12- 3-41	20	11
Sewage Treatment.....	Engineers in Industry..	Engineers in Industry..	4	8	10-15-41	12- 9-41	24	18
Theory of Machine Design.....	Engineers in Industry..	Engineers in Industry..	4	8	10-15-41	12-11-41	17	8
Thin Plates; Bending and Buckling..	Engineers in Industry..	Engineers in Industry..	4	8	10-14-41	12- 3-41	11	8

ENGINEERING, SCIENCE, AND MANAGEMENT DEFENSE TRAINING COURSE SUMMARY (Cont.)

Course	Origin of Request	Personnel	Hrs/Wk	Wks.	Began	Ended	En-rolled	Cer-tificate
Traffic Control	Police	Police Officers	4	8	10-15-41	12-11-41	18	9
X-Ray Studies of Engineering Materials	Engineers in Industry	Engineers in Industry	4	8	10-14-41	12- 3-41	28	22
Ultra-High-Frequency Techniques I	M.I.T. Conference	University Seniors	6	15	2- 9-42	5-22-42	35	35
Advance Thermodynamics (Jackson)	Engineers in Industry	Engineers in Industry	2	8	1-13-42	3- 5-42	13	9
Air Sanitation in Industry	Engineers in Industry	Engineers in Industry	4	8	1-13-42	3- 5-42	18	12
Aircraft Power Plants	Engineers in Industry	Engineers in Industry	4	8	1-12-42	3- 4-42	37	18
Airport Runways and Low-Cost Roads (Flint)	Engineers in Industry	Highway Engineers	3	8	1-15-42	3- 5-42	50	35
Analysis of Continuous Frames	Engineers in Industry	Engineers in Industry	4	8	1-13-42	3- 5-42	30	24
Applied Soil Mechanics	Engineers in Industry	Engineers in Industry	4	8	1-12-42	3- 4-42	25	18
Arc Welding Applied to Structural Design (Jackson)	Engineers in Industry	Engineers in Industry	4	8	1-13-42	3- 5-42	17	11
Arc Welding Fundamentals	Engineers in Industry	Engineers in Industry	4	8	1-13-42	3- 5-42	27	27
Circuit Analysis by Symmetrical Components (Jackson)	Engineers in Industry	Engineers in Industry	4	8	1-13-42	3- 5-42	33	29
Descriptive Geometry	Survey of Needs in Area	Employees of Industry	4	8	1-12-42	3- 4-42	22	14
Die Casting Practice	Engineers in Industry	Engineers in Industry	4	8	1-13-42	3- 5-42	15	14
Elementary Electrical Engineering (Jackson)	Engineers in Industry	Engineers in Industry	4	8	1-13-42	3- 5-42	23	16
Graphical Methods in Engineering Problems	Engineers in Industry	Engineers in Industry	4	8	1-13-42	3- 5-42	17	14
Industrial Air Conditioning	Engineers in Industry	Engineers in Industry	4	8	1-12-42	3- 4-42	35	26
Industrial Air Sampling and Analysis	Engineers in Industry	Engineers in Industry	4	8	1-12-42	3- 4-42	38	21
Industrial and Municipal Water Supply and Conditioning I	Engineers and Municipal Officers	Engineers and Municipal Officers	4	8	1-12-42	3- 2-42	26	21
Internal Combustion Engine Design	Engineers in Industry	Engineers in Industry	4	8	1-13-42	3- 5-42	44	26
Machinability of Metals	Engineers in Industry	Engineers in Industry	4	8	1-12-42	3- 4-42	31	20
Mechanical Drawing	Survey of Needs in Area	Employees of Industry	4	8	1-13-42	3- 5-42	29	17
Mechanical Vibrations Fundamentals	Engineers in Industry	Engineers in Industry	4	8	1-13-42	3- 5-42	13	8
Metallurgy of Important Industrial Metals (Ecorse)	Engineers in Industry	Engineers in Industry	4	8	1-12-42	3- 4-42	24	18

ENGINEERING, SCIENCE, AND MANAGEMENT DEFENSE TRAINING COURSE SUMMARY (Cont.)

Course	Origin of Request	Personnel	Hrs/Wk	Wks.	Began	Ended	En-rolled	Cer-tificate
Metallurgy and Metallography of Cast Iron.....	Engineers in Industry..	Engineers in Industry..	4	8	1-12-42	3- 4-42	23	18
Ordnance Inspection.....	Detroit Ordnance District.....	Detroit Ordnance District Employees..	2	8	1-13-42	3- 5-42	130	78
Practical Mechanics and Strength of Materials.....	Engineers in Industry..	Engineers in Industry..	4	8	1-12-42	3- 4-42	32	18
Principles of Aluminum Resistance Welding.....	Engineers of Industry..	Engineers in Industry..	4	8	1-12-42	3- 4-42	53	24
Pyrometry and Industrial Furnace Control.....	Engineers in Industry..	Engineers in Industry..	4	8	1-12-42	3- 4-42	28	18
Review of Dynamics.....	Engineers in Industry..	Engineers in Industry..	4	8	1-13-42	3- 5-42	14	14
Theoretical Analysis of Motor Vibrations.....	Engineers in Industry..	Engineers in Industry..	4	8	1-13-42	3- 5-42	21	19
Traffic Control (Flint).....	Police Department.....	Police Officers.....	3	8	1-22-42	3-12-42	58	39
Treatment and Disposal of Industrial Wastes (Royal Oak).....	Engineers in Industry..	Engineers in Industry..	4	8	1-12-42	3- 4-42	32	25
Ordnance Material Inspection I.....	Detroit Ordnance District.....	Detroit Ordnance District Employees..	40	12	1-19-42	4-10-42	77	75
Industrial and Municipal Water Supply and Conditioning II (Fordon).....	Engineers and Municipal Officers..	Engineers and Municipal Officers..	2	8	3- 9-42	5- 4-42	27	26
Ordnance Material Inspection II.....	Detroit Ordnance District.....	Detroit Ordnance District Employees..	40	12	3- 2-42	5-23-42	62	58
Ordnance Material Inspection III.....	Detroit Ordnance District.....	Detroit Ordnance District Employees..	40	12	3-30-42	6-20-42	86	79
Advanced Structural Analysis.....	Engineers in Industry..	Engineers in Industry..	4	8	4-14-42	6- 4-42	41	29
Aerial Bombing Protection (Grand Rapids and Detroit).....	Engineers in Industry..	Engineers in Industry..	4	8	4-13-42	6-11-42	71	41
Aircraft Carburetors and Magnetoes.....	Engineers in Industry..	Engineers in Industry..	4	8	4-13-42	6- 3-42	34	15
Fluid Mechanics.....	Engineers in Industry..	Engineers in Industry..	4	8	4-13-42	6- 3-42	41	26
Industrial Air Sampling and Conditioning.....	Engineers in Industry..	Engineers in Industry..	4	8	4-13-42	6- 3-42	29	20
Internal Combustion Engine Design.....	Engineers in Industry..	Engineers in Industry..	4	8	4-14-42	6- 4-42	20	8

ENGINEERING, SCIENCE, AND MANAGEMENT DEFENSE TRAINING COURSE SUMMARY (Cont.)

Course	Origin of Request	Personnel	Hrs/Wk	Wks.	Began	Ended	En-rolled	Cer-tificate
Light Metal Alloys	Engineers in Industry	Engineers in Industry	4	8	4-13-42	6- 3-42	29	19
Mathematical Methods in Heat Conduction	Engineers in Industry	Engineers in Industry	4	8	4-16-42	6- 4-42	14	10
Mechanical Drawing	Survey of Needs in Area	Employees of Industry	4	8	4-14-42	6- 4-42	24	20
Mechanical Vibrations Fundamentals	Engineers in Industry	Engineers in Industry	4	8	4-14-42	6- 4-42	14	10
Metallurgy and Metallography of Ferrous Castings	Engineers in Industry	Engineers in Industry	4	8	4-14-42	6- 4-42	17	14
Ordnance Inspection	Detroit Ordnance District	Detroit Ordnance District Employees	2	8	4-13-42	6- 3-42	150	105
Principles of Aluminum Resistance Welding	Engineers in Industry	Engineers in Industry	4	8	4-13-42	6- 3-42	45	20
Production Supervision	Survey of Needs in Area	Employees of Industry	4	8	4-13-42	6- 9-42	37	20
Pyrometry and Industrial Furnace Control	Engineers in Industry	Engineers in Industry	4	8	4-13-42	6- 3-42	24	16
Elementary Differential Equations, Review	Engineers in Industry	Engineers in Industry	4	8	4-13-42	6- 3-42	27	20
Theoretical Analysis of Motor Vibrations (Dearborn)	Engineers in Industry	Engineers in Industry	4	8	4-14-42	6- 4-42	18	15
Traffic Control	Police Department	Police Officers	3	8	4-16-42	6- 4-42	37	25
X-Ray Diffraction Methods in Industry	Engineers in Industry	Engineers in Industry	4	8	4-13-42	6- 3-42	29	10
X-Ray Studies of Engineering Materials (Flint)	Engineers in Industry	Engineers in Industry	4	8	4-13-42	6- 3-42	38	17
Metallurgical Testing Methods and Applications	Engineers in Industry	Engineers in Industry	4	8	4-13-42	6- 3-42	69	49
Ordnance Material Inspection IV	Detroit Ordnance District	Detroit Ordnance District Employees	40	12	4-27-42	7-13-42	96	88
Ordnance Material Inspection V	Detroit Ordnance District	Detroit Ordnance District Employees	40	12	5-25-42	8-14-42	107	85
Ultra-High-Frequency Techniques II	M.I.T. Conference and U. S. Army Request	Army Officers	24	12	6-22-42	9-12-42	8	8
Ordnance Material Inspection VI	Detroit Ordnance District	Detroit Ordnance District Employees	40	9	6-22-42	8-21-42	71	65

ENGINEERING, SCIENCE, AND MANAGEMENT WAR TRAINING COURSE SUMMARY

Course	Origin of Request	Personnel	Hrs/Wk	Wks.	Began	Ended	Enrolled	Certificate
<i>Surveying, Topographic Mapping, and Photogrammetry I</i>	Army Map Service	Trainees for Engineering Aides	33	13	7-6-42	10-2-42	25	20
<i>Mechanical Drawing</i>	Survey of Needs in Area	Employees of Industry	4	8	7-14-42	9-3-42	28	19
<i>Ordnance Material Inspection VII</i>	Detroit Ordnance District	Detroit Ordnance District Employees	40	9	7-13-42	9-11-42	59	55
<i>Engineering Acceptance Testing I</i>	Detroit Ordnance District	Detroit Ordnance District Employees	40	4	7-13-42	8-7-42	15	15
<i>Ordnance Material Inspection VIII</i>	Detroit Ordnance District	Detroit Ordnance District Employees	40	9	8-3-42	10-2-42	33	30
Light Metal Alloys Metallurgical Testing Methods and Applications	Engineers in Industry	Engineers in Industry	4	8	8-11-42	10-1-42	45	21
Engineering Acceptance Testing II	Engineers in Industry Detroit Ordnance District	Engineers in Industry Detroit Ordnance District Employees	4	8	8-10-42	9-30-42	86	59
<i>Surveying, Topographic Mapping, and Photogrammetry II</i>	Army Map Service	Trainees for Engineering Aides	38	13	9-14-42	12-12-42	11	10
<i>Under-Engineer Trainee (Radio)</i>	Signal Corps, Wright Field	Signal Corps Employees	38	24	9-14-42	2-27-43	62	43
<i>Ordnance Material Inspection IX</i>	Detroit Ordnance District	Detroit Ordnance District Employees	40	10	9-7-42	11-13-42	40	36
Industrial Electronics	Engineers in Industry	Engineers in Industry	4	8	10-19-42	12-9-42	119	57
Operational Mathematics in Engineering	Engineers in Industry	Engineers in Industry	4	8	10-20-42	12-15-42	39	28
Vector Analysis	Engineers in Industry	Engineers in Industry	4	8	10-19-42	12-9-42	26	17
<i>Mechanical Drawing</i>	Surveys of Need in Area	Employees of Industry	4	8	10-20-42	12-15-42	27	13
<i>Ultra-High-Frequency Technique III</i>	M.I.T. Conference	University Seniors	14	15	10-5-42	1-29-43	24	23
<i>Ordnance Material Inspection X</i>	Detroit Ordnance District	Detroit Ordnance District Employees	40	10	10-12-42	12-18-42	38	36
<i>Elementary Fundamentals of Radio Circuits</i>	Industry	Employees of Industry	4	8	10-19-42	12-9-42	24	13
Ferrous Castings	Engineers in Industry	Engineers in Industry	4	8	10-20-42	12-10-42	43	36
Industrial Accounting I	Industry and Management	Employees of Offices	4	8	10-19-42	12-11-42	63	26

ENGINEERING, SCIENCE, AND MANAGEMENT WAR TRAINING COURSE SUMMARY (Cont.)

Course	Origin of Request	Personnel	Hrs/Wk	Wks.	Began	Ended	En-rolled	Cer-tificate
Light Metal Alloys.....	Engineers in Industry..	Engineers in Industry..	4.	8	10-19-42	12- 9-42	37	24
Mechanical Vibrations Fundamentals.	Engineers in Industry..	Engineers in Industry..	4	8	10-19-42	12- 9-42	18	9
Metallurgical Testing.....	Engineers in Industry..	Engineers in Industry..	2	12	10-23-42	1- 7-43	69	58
Psychological Factors in Production Supervision.....	Management.....	Employees of Industrial Management.....	4	8	10-19-42	12- 9-42	40	24
Advanced Stress Analysis.....	Engineers in Industry..	Engineers in Industry..	4	8	10-20-42	12-15-42	19	14
Aircraft Power Plants.....	Engineers in Industry..	Engineers in Industry..	4	8	10-19-42	12- 9-42	52	27
Ordnance Inspection.....	Detroit Ordnance District.....	Detroit Ordnance District Employees..	2	8	10-19-42	12- 7-42	65	30
Plastic Materials.....	Engineers in Industry..	Engineers in Industry..	4	8	10-20-42	12-15-42	96	61
Pyrometry and Furnace Control.....	Engineers in Industry..	Engineers in Industry..	4	8	10-19-42	12-16-42	20	11
Selection of Personnel.....	Management.....	Industrial Managers...	2	16	10-14-42	2- 3-43	98	27
Theoretical Analysis of Motor Vibrations.	Engineers in Industry..	Engineers in Industry..	4	8	10-20-42	12-15-42	20	10
Theory of Internal Combustion Engine	Engineers in Industry..	Engineers in Industry..	4	8	10-20-42	12-15-42	38	30
X-Ray Studies in Engineering Materials (Detroit and Flint).....	Engineers in Industry..	Engineers in Industry..	4	8	10-19-42	12-17-42	90	58
Welded Steel Details.....	Engineers in Industry..	Engineers in Industry..	4	8	10-20-42	12-15-42	38	21
Fluid Mechanics.....	Engineers in Industry..	Engineers in Industry..	4	8	10-20-42	12-15-42	23	19
Industrial Safety Engineering (Jackson).....	Engineers in Industry..	Engineers in Industry..	6	16	10-20-42	2-12-43	15	12
Industrial Statistics.....	Engineers in Industry..	Engineers in Industry..	4	8	10-19-42	12- 9-42	25	9
Production Supervision (Grand Rapids).....	Engineers in Industry..	Engineers in Industry..	4	8	10-20-42	12-15-42	49	33
Aircraft Inspection I.....	U. S. Air Corps.....	Air Corps Employees..	41	10	11-16-42	1-22-43	50	48
Ordnance Material Inspection XI.....	Detroit Ordnance District.....	Detroit Ordnance District Employees..	40	10	11-16-42	1-22-43	33	30
Selection of Personnel (Pontiac).....	Management.....	Industrial Managers...	2	8	12- 9-42	2- 3-43	16	14
Aircraft Inspection II.....	Air Corps.....	Air Corps Employees..	40	10	12-21-42	2-26-43	45	45
Ordnance Material Inspection XII.....	Detroit Ordnance District.....	Detroit Ordnance District Employees..	40	10	12-21-42	2-26-43	26	26
Aircraft Inspection III.....	Air Corps.....	Air Corps Employees..	40	10	1-25-43	4- 2-43	46	44

ENGINEERING, SCIENCE, AND MANAGEMENT WAR TRAINING COURSE SUMMARY (Cont.)

Course	Origin of Request	Personnel	Hrs/Wk	Wks.	Began	Ended	En-rolled	Cer-tificate
<i>Ordnance Material Inspection XIII.</i>	Detroit Ordnance District	Detroit Ordnance District Employees	40	10	1-25-43	4- 2-43	28	26
Diesel Engine Power Plants	Engineers in Industry	Engineers in Industry	4	12	2-16-43	5-11-43	54	36
Fluid Mechanics	Engineers in Industry	Engineers in Industry	4	12	2-15-43	5-11-43	39	23
Industrial Accounting II	Industrial Management	Employees of Management	4	12	2-15-43	5- 5-43	53	36
<i>Military Map Making</i>	Army Map Service	University Seniors	4	15	2- 9-43	5-26-43	41	36
Psychological Factors in Production Supervision	Engineers and Management	Engineers in Industry and Management	4	12	2-15-43	5-12-43	34	22
Industrial Statistics	Engineers and Management	Engineers in Industry and Management	4	12	2-16-43	5- 6-43	25	8
<i>Surveying, Topographic Mapping, and Photogrammetry III.</i>	Army Map Service	Trainees to be Engineering Aides	38	13	2-15-43	5-15-43	7	7
<i>Ultra-High-Frequency Techniques IV.</i>	M.I.T. Conference	University Seniors	14	16	2- 8-43	5-26-43	17	17
Advance Operational Mathematics in Engineering	Engineers in Industry	Engineers in Industry	4	12	2-16-43	5- 6-43	25	25
Aircraft Power Plants	Engineers in Industry	Engineers in Industry	4	12	2-15-43	5-10-43	28	15
Air Sanitation in Industry	Engineers in Industry	Engineers in Industry	4	12	2-16-43	5- 7-43	35	26
Industrial Electronics	Engineers in Industry	Engineers in Industry	4	12	2-15-43	5- 5-43	110	80
Methods Improvement and Time Study (Grand Rapids)	Engineers in Industry	Engineers in Industry	4	12	2-16-43	5-20-43	59	40
Office Standards and Procedures	Management	Employees of Management	4	8	2-15-43	4- 7-43	60	29
Physical Properties of Metals (Grand Rapids)	Engineers in Industry	Engineers in Industry	4	12	2-16-43	5- 6-43	79	48
Plastic Materials	Engineers in Industry	Engineers in Industry	4	12	2-16-43	5- 6-43	79	33
Practical Metallurgy (Flint)	Engineers in Industry	Engineers in Industry	4	12	2-15-43	5-11-43	65	27
Practical Metallurgy (Detroit)	Engineers in Industry	Engineers in Industry	4	12	2-15-43	5-10-43	60	52
Production Supervision (Grand Rapids)	Engineers in Industry	Engineers in Industry	4	12	2-16-43	5- 6-43	55	40

ENGINEERING, SCIENCE, AND MANAGEMENT WAR TRAINING COURSE SUMMARY (Cont.)

Course	Origin of Request	Personnel	Hrs/Wk	Wks.	Began	Ended	En-rolled	Cer-tificate
Selection of Personnel.....	Management.....	Employees of Management.....	2	16	2-17-43	6- 2-43	43	21
Theoretical Analysis of Motor Vibra-tions.....	Engineers in Industry.....	Engineers in Industry.....	4	12	2-16-43	5- 6-43	32	10
Thin Metal Aircraft Stress.....	Engineers in Industry.....	Engineers in Industry.....	4	12	2-15-43	5- 6-43	52	43
Applied Metallurgy (Detroit).....	Engineers in Industry.....	Engineers in Industry.....	3	12	2-23-43	5-26-43	113	85
Light Metal Alloys.....	Engineers in Industry.....	Engineers in Industry.....	4	12	2-16-43	5- 6-43	22	16
Mechanical Drawing.....	Survey of Needs in Area	Employees of Industry	4	12	2-16-43	5- 6-43	27	15
Qualifying Mathematics for Engineers.	Survey of Needs in Area	Trainees for Industrial Positions.....	4	12	2-15-43	5- 5-43	34	18
Radio Devices and Technology.....	Engineers in Industry.....	Employees of Industry.....	4	12	2-15-43	5- 5-43	23	12
X-Ray Studies in Engineering Mate-rials.....	Engineers in Industry.....	Engineers in Industry.....	4	12	2-16-43	5- 7-43	58	28
Aircraft Inspection IV.....	Air Corps.....	Air Corps Employees.....	48	10	3- 1-43	5- 7-43	47	47
Ordnance Material Inspection XIV.....	Detroit Ordnance District.....	Detroit Ordnance District Employees.....	48	10	3- 1-43	5- 7-43	37	37
Selection of Personnel (Jackson).....	Management.....	Employees of Management.....	2	12	2-23-43	5-11-43	23	12
Applied Metallurgy (Saginaw).....	Engineers in Industry.....	Engineers in Industry.....	4	8	3- 9-43	5- 6-43	123	43
Ordnance Engineering Aides I.....	Chief of Ordnance.....	Employees of Arsenal.....	48	12	3-15-43	6- 4-43	60	56
Aircraft Inspection V.....	Air Corps.....	Air Corps Employees.....	48	10	4- 5-43	6-11-43	48	46
Ordnance Material Inspection XV.....	Detroit Ordnance District.....	Detroit Ordnance District Employees.....	48	10	4- 5-43	6-11-43	27	26

CIVILIAN PILOT TRAINING PROGRAM—now known as—WAR TRAINING SERVICE

University of Michigan
Ground Contractor

From July 1, 1942, to July 1, 1943

Ann Arbor Air Service
Flight Contractor

Course	Origin	Personnel	Length	Began	Ended	Enrollment	
						Began	Ended
Summer Session, 1942 Elementary Course	Contract-Cca 16591 Contract-Cca 16288	Navy Reserve	Full-Time	6-15-42	8-18-42	15	15
Secondary Course		Navy Reserve Army Reserve	8 Weeks	6-15-42 6-15-42	8-20-42 8-23-42	10 7	9 7
September Session, 1942 Elementary Course	Contract-Cca 16591 Contract-Cca 16288	Navy Reserve	Full-Time	9-15-42	11-11-42	15	13
Secondary Course		Navy Reserve Army Reserve	8 Weeks	9-18-42 9-25-42	11-20-42 11-23-42	10 10	9 8
43-D Session (Extracurricular) Elementary Course (Flying discontinued from 1-15-43 to 2-25-43)	Contract-Cca 18750	Navy Reserve	Part-Time 16 Weeks	11-1 -42	4-23-43	20	13
43-C Session Elementary Course	Contract-Cca 16591	Navy Active Duty	Full-Time 8 Weeks	12-15-42	3- 1-43	20	19
43-D Session Secondary Course	Contract-Cca 16288	Navy Active Duty Army Reserve	Full-Time 8 Weeks	12-15-42 12-15-42	3- 1-43 3- 1-43	10 10	7 9
43-F Session Elementary Course	Contract-Cca 16591	Navy Active Duty	Full-Time 8 Weeks	2-17-43	5- 5-43	20	19
43-G Session Secondary Course	Contract-Cca 16288	Navy Active Duty	Full-Time 8 Weeks	3-15-43	5-30-43	10	8

COURSES FOR THE ARMED SERVICES GIVEN IN ANN ARBOR

Course	Origin of Request	Personnel	Hrs/Wk	Wks.	Began	Ended	En-rolled
Language.....	Contract, U. S. Army..	Enlisted Men.....	..	..	.....	.....	252
Meteorology B							
Group 1.....	Contract, U. S. Army..	Enlisted Men, Air Forces.....	24	27	3-15-43	9-18-43	515
Group 2.....	Contract, U. S. Army..	Enlisted Men, Air Forces.....	24	27	5-31-43	11-27-43	
Army Specialized Training Program — Engi- neers (advanced).....	Contract, U. S. Army..	Enlisted Men, Army.....	24	12+	4- 8-43	var.	102
Medical Laboratory Techniques							
Group 1.....	Contract, Surgeon- General, U. S. Army.	Officers, Medical Corps, U. S. Army.....	f. t.	12	9-28-42	12-18-42	17
Group 2.....	Contract, Surgeon- General, U. S. Army.	Officers, Medical Corps, U. S. Army.....	f. t.	12	1- 4-43	3-27-43	24
Group 3.....	Contract, Surgeon- General, U. S. Army.	Officers, Medical Corps, U. S. Army.....	f. t.	12	3-29-43	6-19-43	19
Thoracic Surgery							
Group 1.....	Contract, Surgeon- General, U. S. Army.	Officers, Medical Corps, U. S. Army.....	f. t.	6	1- 4-43	2-13-43	9
Group 2.....	Contract, Surgeon- General, U. S. Army.	Officers, Medical Corps, U. S. Army.....	f. t.	6	3-29-43	5- 8-43	10
Epidemiology.....	Contract, Surgeon- General, U. S. Army.	Officers, Medical Corps, U. S. Army.....	f. t.	8	1- 4-43	2-28-43	20
Judge Advocate General's School							
Fifth class for Officers.....	Contract, Judge Advocate General, U. S. Army.....	Officers and Officer Candidates, U. S. Army.....	f. t.	10	9-14-42	11-21-42	64
Sixth class for Officers.....	Contract, Judge Advocate General, U. S. Army.....	Officers and Officer Candidates, U. S. Army.....	f. t.	10	10-19-42	12-26-42	55
Seventh class for Officers.....	Contract, Judge Advocate General, U. S. Army.....	Officers and Officer Candidates, U. S. Army.....	f. t.	10	11-23-42	1-30-43	54

Abbreviations: var. — various; f. t. — full time.

COURSES FOR THE ARMED SERVICES GIVEN IN ANN ARBOR (Cont.)

Course	Origin of Request	Personnel	Hrs/Wk.	Wks.	Began	Ended	En-rolled
Judge Advocate General's School (Cont.) Eighth class for Officers.....	Contract, Judge Advocate General, U. S. Army.....	Officers and Officer Candidates, U. S. Army.....	f. t.	10	12-28-42	3- 6-43	54
Ninth class for Officers.....	Contract, Judge Advocate General, U. S. Army.....	Officers and Officer Candidates, U. S. Army.....	f. t.	10	2- 8-43	4-17-43	56
Advanced special course: Claims.....	Contract, Judge Advocate General, U. S. Army.....	Officers and Officer Candidates, U. S. Army.....	f. t.	4	4- 1-43	4-30-43	43
Tenth class for Officers.....	Contract, Judge Advocate General, U. S. Army.....	Officers and Officer Candidates, U. S. Army.....	f. t.	10	3-15-43	5-22-43	69

CIVILIAN COURSES GIVEN IN ANN ARBOR -

Course	Origin of Request	Personnel	Hrs/Wk.	Ws	Began	Ended	En-rolled
Tabulating Machine Supervisors Group 1.....	Contract, Chief of Ordnance, War Department.....	Civilian Personnel, Ordnance Department.....	f. t.	8	2-15-43	4-10-43	18
Group 2.....	Contract, Chief of Ordnance War Department.....	Civilian Personnel, Ordnance Department.....	f. t.	8	4-19-43	6-12-43	23
Basic Science for Nurses.....	Surgeon-General, United States Public Health Service.....	Student Nurses from Michigan Hospitals..	f. t.	15	2-15-43	5-31-43	59
Substitute Sanitariums.....	Michigan State Department of Health.....	Subprofessional Public Health Personnel....	f. t.	3	4-26-43	5-15-43	13