

The University of Chicago

FOUNDED BY JOHN D. ROCKEFELLER

COMMISSION ON THE FUTURE POLICY OF THE UNIVERSITY LIBRARIES

TENTATIVE REPORT
JANUARY, 1924



THE UNIVERSITY OF CHICAGO PRESS CHICAGO, ILLINOIS

PREFACE

The Report as printed herewith is purely tentative, and is subject to such revision in content and in form as may seem desirable in view of the criticisms which may be received.

We should welcome the receipt of critical opinions from any of those who may read the Report. We request in particular that each Department and each School of the University study with detailed care those portions of the Report which particularly concern that Department or School, and submit its criticisms of the Report to the Commission in typewritten form not later than March 1, 1924.

The appending of the signatures of the members of the Commission to this Preface implies simply that they authorize the publication of the Report in this tentative form, for the purpose of affording a basis for general discussion.

Mr. Martin A. Ryerson and Professor John M. Coulter, who are members of the Commission, have been prevented from seeing the Report by absence abroad.

ERNEST D. BURTON
CHARLES W. GILKEY
JOHN F. NORTON
ALBION W. SMALL
LEONARD D. WHITE
ERNEST H. WILKINS, Vice-Chairman
HAROLD H. SWIFT, Chairman

TABLE OF CONTENTS	PAGE
Introductory Statement	vii
PART I: GENERAL SURVEY OF FACILITIES AND NEEDS	
I. GENERAL PRINCIPLES	3
II. LIBRARY FACILITIES DESIRABLE FOR THE HUMANISTIC DEPART-	
MENTS AND SCHOOLS	4
III. LIBRARY FACILITIES DESIRABLE FOR THE OTHER DEPARTMENTS	
AND SCHOOL AND FOR THE GENERAL LIBRARY STOCK	9
IV. EXTENT OF FACILITIES NEEDED IN 1950-51	10
V. Survey of Present Facilities	17 23
VI. THE MAIN DEPARTMENTAL INTERRELATIONSHIPS	23
PART II: ALTERNATIVE SOLUTIONS OF THE	
BUILDING PROBLEM	
VII. INTRODUCTORY STATEMENT	27
VIII. PLAN I: CENTRALIZATION	28
IX. PLAN II: COMPLETION AND DEVELOPMENT OF THE HARPER	
GROUP WITH SEPARATE LIBRARIES FOR THE SCHOOL OF EDUCA-	
TION, MEDICINE, AND THE PHYSICAL SCIENCES	30
X. ARGUMENTS FOR PLAN I AND AGAINST PLAN II	32
XI. Arguments for Plan II and against Plan I \ldots	39
PART III: ADMINISTRATIVE QUESTIONS	
	47
XII. DIRECTOR AND LIBRARIAN	48
XIII. EXPENDITURES FOR BOOKS	50
AIV. SALARIES OF LIBRARY STAFF	
PART IV: APPENDIXES	
A. THE DEGREES OF CLOSENESS OF LIBRARY INTERRELATIONS	55
B. THE USE OF HARPER BY THE SOCIAL SCIENCE DEPARTMENTS	57
C. THE INTERRELATION OF GRADUATE AND SENIOR COLLEGE WORK.	61
D. Number of Professors in the Humanistic Departments and	,
Schools	63
E. Number of Students	65
F. NUMBER OF BOOKS	79
G. MEMORANDUM REGARDING THE OFFICE OF LIBRARIAN	90

V

Excess II Waxaya Fine Chileman

INTRODUCTORY STATEMENT

1. The development of the Libraries of the University of Chicago has reached a critical point. The main library building is not only inconvenient to a very serious degree, particularly for research work, but is already badly overcrowded in respect to stack space, accommodations for students, and working space for the library staff. The branch libraries, similarly, are in many cases inconvenient to a very serious degree and already badly overcrowded; they suffer in some cases from insufficient or inefficient management; and in general their relationship to the central library is not satisfactory. New library construction on a very large scale is inevitable if the University is to continue to be an institution of the first rank. Nor are these the only serious aspects of the situation. The amount of money expended annually for books is insufficient: imperative needs are going unsatisfied, and the library collection is falling behind that of other institutions of similar rank. Furthermore, the low salaries paid to library workers make it increasingly difficult to secure efficient library service.

2. The library is the heart of the University. The rectifying of these conditions is essential to the life of the University. And the conditions are so serious that immediate action is necessary.

3. The Commission has therefore sought to survey the entire library problem; to assemble the essential facts and estimates; and to derive therefrom suggestions and recommendations the adoption of which would serve both to relieve the present emergency and to make reasonable provision for the continued growth of the University Libraries.

INTRODUCTORY STATEMENT

r. The davelopment of the Libraries of the University of Chicago is reached a critical point. The main library unifolia, is not only convenient to a very serious degree, particularly for research of the stready hadly overcrowded in respect to stack space, commodations for students, and working space for the library staff, he branch libraries, similarly, are in many cases monovenient to a transchild libraries, similarly, are in many cases monovenient to a me cases from insufficient or inefficient management; and in general relationship to the central library is not satisfactory. New many construction on a very large scale is nevitable if the University do continue to be an institution of the first rank. Not are those the many for books is insufficient; imperative needs are going unerlisted and the library collection is falling behind that of other institutions of similar rank. For the new sataries paid to library are vice.

2. The fibrary is the heart of the University. The rectifying of other last the second to the University. The rectifying of library service.

anditions are so serious that immediate action is necessary,

3. The Councission has therefore sought to survey the entire trary problem; to assemble the essential facts and calimates; and derive therefrom suggestions and recommendations the adoption I which would serve both to relieve the present emergency and to take reasonable provision for the continued growth of the University

PART I

GENERAL SURVEY OF FACILITIES AND NEEDS

SECTION I

GENERAL PRINCIPLES

4. The present Report is prepared on the assumption that the graduate work of the University will so grow as to require all or nearly all of the equipment and buildings upon the present quadrangles (and that therefore the development of the undergraduate work, in whole or in part, may be expected to be housed elsewhere); and, in particular, on the assumption that every possible effort is to be made to facilitate and to encourage discovery. It follows at once that library facilities which will in reality facilitate and encourage discovery should be provided for members of the Faculties and for graduate students.

SECTION II

LIBRARY FACILITIES DESIRABLE FOR THE HUMANISTIC DEPARTMENTS AND SCHOOLS¹

5. For the Humanistic Departments and Schools the provision of library facilities which will in reality facilitate and encourage discovery means, in practical terms, the provision of a study immediately adjacent to the stacks for every senior member of the Faculties and an individual working space in the stacks for every junior member of the Faculties and every active regular graduate student.2

6. Such provision is already made in the libraries of Harvard and Johns Hopkins Universities, and in the libraries of the universities of Michigan, Wisconsin, Minnesota, and California; and is being planned for, so far as this Commission is aware, in all new university library construction now in prospect, as in the cases of the universities of Illinois, Missouri, and Nebraska. In the present or future libraries of these several institutions, the details of stack construction and arrangement differ; but each of these libraries expresses in its construction and arrangement the principle that individual working spaces in or immediately adjacent to the stacks should be provided for members of the faculties and for graduate students—a principle which indeed may now be termed a generally accepted principle of university library construction.

7. Of the several libraries named above, the one with which the members of the Commission are most familiar is the Harvard Univer-

The term "humanistic" is used arbitrarily in this Report to designate those Departments and Schools in which research work consists largely in the use of books: namely, the Departments of Philosophy, Psychology, Political Economy, Political Science, History, Sociology, Household Administration, Geography, a place. Two of the writers of this report have carried on research Comparative Philology, Greek, Latin, Romance, German, English, General Literature, the History of Art, Mathematics, and Astronomy; and the Schools of Divinity, Education, Law, Commerce and Administration, and Social Service Administration.

² The term "active regular graduate student" is used arbitrarily in this Report to designate a graduate student doing full work in a normal quarter, that is, in an Autumn, Winter, or Spring Quarter. In the cases of the Divinity, Law, and vocational courses. The question of provision for graduate students in the Summer Ouarter will be discussed below.

sity Library. In that library the stacks occupy three sides of a quadrangle rising to a height of eight stack stories; the inner faces of these three sides of the quadrangle are in part occupied by studies for senior members of the faculties; and the outer faces are, in general, occupied by individual working spaces called "cubicles," for junior members of the faculties and for graduate students. Each cubicle is set off by transverse partitions from the adjacent cubicles, but is open to the stacks. Each cubicle is lighted by a window and by an electric light. Each cubicle contains a table (with a drawer) and a book shelf.

8. Such an arrangement does, in fact, conduce most directly to the facilitation and encouragement of research, as all who have had the privilege of work in a study or cubicle of the Harvard Library can testify. The instructor or student enjoys a reasonable amount of privacy; and he has the entire collection of the library at his immediate command. His study or cubicle is, in general, located near the stock of books which he uses most frequently; and he is enabled by means of stairways and elevators within the stacks to reach very quickly any other portion of the stacks. He can, at his leisure, examine for himself any portion of the library resources under good conditions of light and ventilation, gaining a knowledge of books such as cannot be gained in any other way. Whenever his research develops a new suggestion, he can pursue it from volume to volume, from stack to stack, from region to region, unlimited in scope, able always to return conveniently to his study or cubicle for the recording or the consideration of new data, and able always to turn to the stacks again as the call of the developing idea may lead him. Similarly, when his work demands the verification of a reference or a series of references, he can make the verification at once. No barrier, material or human, intervenes between him and his world of books. It is a joy and a stimulation to work in such in the Harvard Library, and know whereof they speak.

9. It has been said that it is essential that members of the Faculties and active regular graduate students should have studies adjacent to, or individual working spaces in, the stacks. For senior members of the Faculty, studies adjacent to the stacks should be provided. In general, individual studies should be provided for full professors, and Medical Schools, the term "active regular graduate student" is used arbitrarily studies accommodating two persons each for associate and assistant to denote students engaged in research, as distinguished from students taking professors. For instructors and active regular graduate students a set of cubicles like those of the Harvard Library would be ideally desirable; but it seems unlikely that it would be practicable to extend such system to accommodate numbers so large as those we must consider A second means of providing individual working spaces in or close to the stacks would be to leave free between the outer edge of the stacks themselves and the outer wall a space wide enough to contain series of three or four individual desks set at right angles to the wall, or of single desks each long enough to provide for three or four students on one side. The outer portion of the stack space would, therefore, constitute a continuous reading-room. Each student would receive as a regular working space one of the individual desks or a section of one of the long desks. A reading-room very much of this type, but on a small scale, now exists on the third floor of our Classics Building, to the south of the stacks. Each individual desk or portion of a long desk should be equipped with a drawer which could be locked, and with shelves for books. This plan would have the advantage of allowing for gradual furnishing. Space should be allowed for the number of desks ultimately to be desired, but the desks could be installed as needed.

10. While it would be desirable in theory to provide individual working spaces of the same type for the much larger number of graduate students in the Humanistic Departments and Schools who attend the University in the Summer Quarter, it seems unlikely that it would be practicable to do so. Provision for these students is

suggested below, in paragraph 12.

11. Senior College students should not have individual working places in the stacks, but should be provided for in general readingrooms. These reading-rooms might serve either single departments or groups of departments. Seats should be provided to a number equal to one-third of the total course-registrations. This estimate rests upon a study made by the Commission of the extent to which students are likely to be in the library at the peak hours of library attendance. If this estimate seems large to any reader of this Report, or if the figures later based thereon seem large, let him summon to his memory visions of the overcrowded reading-rooms in which he has endeavored to from the Senior Colleges and the Graduate Schools, or for the Junior work or has seen students endeavoring to work.

12. Reading-rooms designed to accommodate, on the scale just Quarter, both the excess of summer graduate students over graduate

students in a normal quarter (on the supposition that in general a number of seats equal to one-half the excess number of graduate students would be sufficient) and the Senior College students resident in the Summer Quarter—since the number of Senior College students in the summer is much less than that in a normal quarter. That the preceding statement is valid may be seen by inspection of the figures in Tables IX and XI, Appendix E, and the statements in section (7) of paragraph 23.

13. In the Divinity and Law Schools, much of the work is vocational and does not require research. The reading-rooms for these Schools should, therefore, suffice for practically the entire student body. In the case of the Divinity School, it would seem desirable that the reading-room provide seats equal to one-half the total number of students registered in the first term of the Summer Quarter, since the attendance is larger than in a normal quarter. In the case of the Law School, it would seem desirable that the reading-room provide seats equal to one-half the number of students registered in a normal quarter, since the attendance is larger in normal quarters

than in the Summer Quarter.

14. The plan for library space for Senior College students outlined in paragraphs 11 and 12 is in accordance with the opinion of the majority of the writers of this report that it is undesirable to separate the work of the Senior Colleges from the work of the graduate schools. Our reasons for this belief are set forth in Appendix C. But we would note that even if the work of the Senior Colleges should in general be housed elsewhere than on the present quadrangles, and even if provision should be made in such housing for the library books most constantly needed by Senior College students, such students would nevertheless be compelled very frequently to consult books available only in the graduate library or libraries of the main campus, and that therefore the reading-rooms referred to in the preceding paragraphs would be used to a considerable extent even if the work of the Senior Colleges should be separated from that of the Graduate Schools.

15. Plans for library service for the Junior Colleges, if separated and Senior Colleges, if separated from the Graduate Schools, will be

¹ This might appear to be a more generous provision for Senior College students suggested, Senior College students resident in a normal quarter would than for graduates, but it is not so in fact, since a graduate student, working suffice (with a few exceptions, noted below at the necessary point primarily in one department, needs seating space in one reading-room only, whereas in the computations concerned) to accommodate, in the Summel a Senior College student, working in at least two departments, needs seating space in two or more reading-rooms.

formulated in a subsequent separate report. It may be noted that the construction called for below, since it is designed to supply the needs of the numbers of graduate and Senior College students expected in 1950-51, would as a matter of fact suffice for several years to supply the needs of Junior College students as well as those of graduate and Senior College students.

16. For each of the Humanistic Departments and Schools there stacks containing the books most frequently used by the Department Departments of Physics, Chemistry, Geology, the Biology Departments or School in question.

seem to us satisfactory. The stacks should be amply supplied with should have an individual working space in or adjacent to the stacks. stairways and with automatic elevators.

ground floor of the library building or buildings.

LIBRARY FACILITIES DESIRABLE FOR THE OTHER DEPARTMENTS AND SCHOOL AND FOR THE GENERAL LIBRARY STOCK

19. For the other Departments and School, in which research should be one or more seminar rooms adjacent to the portion of the work centers rather in the laboratory than in the use of books—the ments, and the Medical School—it does not seem necessary that every 17. The type of stack and the type of stack flooring used in Harper member of the Faculty and every active regular graduate student In these cases, individual working spaces should be provided in the 18. Catalogue and delivery rooms should be, if possible, on the stacks to a number equal to one-third the number of expected graduate students. Some of the spaces thus provided could be temporarily assigned to students working on problems involving continuous library research; the rest would serve the convenience of other students. A general study room with, say, forty seats should be provided for the Faculty members of the Departments and School here in question; and a general reading-room for the summer graduate and for the Senior College students for each Department (or group of Departments) or School. In such general reading-rooms seats should be provided to a number equal to one-fourth the number of registrations by Senior College students in a normal quarter. Paragraphs 15, 17, 18 apply here as well as for the Humanistic Departments.

20. The general library stock—that is, the stock of books not specific to any department or school—may be placed in a general reading room and in stacks containing desks for the use of Faculty members and students consulting the books in question.

EXTENT OF FACILITIES NEEDED IN 1950-51

21. This portion of the Report is devoted to tabular indication of the space needed, on the basis of the foregoing recommendations, in the year 1950-51. The selection of that year is, of course, arbitrary, were taken directly from the estimate of stack space required in for no one can reasonably suppose that the growth of the library as 1950-51 (Appendix F, Table XVII, Column F), except that the regards books will cease at that time; and it would be hazardous to estimate for Household Administration (i.e., for books primarily predict that the growth of the University as regards students will cease concerning Household Administration and not accounted for elseat that time. It is indeed quite possible that the provision of library where), for which there is no basis in that table, was a rough guess facilities such as those suggested in this Report would cause an even based on the figures for Household Administration in the tabulation greater increase in the number of graduate students than the increase of volumes in classes corresponding to Departments and Schools estimated by the Commission as probable. The difficulty of reason. (Appendix F, Table XII). able prediction of future conditions increases, of course, with the (2) The figures for the number of studies (Column B) were obtained that they would in general be larger, particularly as regards stack that table). (Compare the recommendations in paragraph 9.) space, if a later date were to be borne in mind; and that library (3) The estimates of cubic space required for the studies (Column construction should be ideally of such a nature as to be readily and C) were obtained by multiplying the estimated number of studies be remembered also that University library buildings hitherto have studies will average about 1,440 feet (i.e., 10×12×12), as at Harvard. in general reached or approached their limits of usefulness in a much shorter time than was expected by those who planned them. We (Column D) for the Humanistic Departments were obtained by adding profoundly hope that the mistake so generally made through a lack the estimated number of active graduate students in each Department of sufficiently resolute provision may not be repeated here.

administration; nor does it make any allowance for the development 1950-51. This latter figure was obtained by dividing the sum of the of new Departments and Schools. The usual height of a story in estimated number of professors, associate professors, and assistant the stacks is 7 feet; the average height of a study or seminar room professors (the figures in the third and fourth columns of Table VII, is about 12 feet; the height of a reading-room varies with the other Appendix D) by three—since the present ratio of instructors to the proportions of the room. The method by which the figures in the sum of professors, associate professors, and assistant professors is one table were obtained is indicated in paragraph 23. In the portion to three. (Compare the recommendations in paragraph 9 as to of the table devoted to reading-room space, separate estimates are individual working spaces for the Humanistic Departments.) The given for each department. This is done for the sake of consistency number of individual working spaces for the other departments was in treatment and freedom in the study of possible combinations.

does not imply that the Commission thinks that each department should have a separate reading-room.

Table I should logically stand at this point, but for convenience is printed on pages 12-13.

23. The figures in Table I were obtained as follows:

(1) The figures for the cubic space for books, etc. (Column A)

remoteness of the future date contemplated; and it seemed to the from the table of numbers of professors in the Humanistic Departments Commission that while we could frame reasonable predictions for and Schools (Appendix D, Table VII) by finding the sum of the the year 1950-51, we could hardly frame predictions of the same order estimated number of full professors in 1950-51 (figures in the third of value for any substantially later date. In the interpretation of column of that table) and one-half the estimated number of associate the following figures, it is to be constantly remembered, however, and assistant professors in 1950-51 (figures in the fourth column of

indefinitely extensible, particularly as regards stack space. It should (Column B) by 1,440, on the assumption that the cubic size of the

(4) The figures for the number of individual working spaces in a normal quarter of 1950-51 (Appendix E, Table IX, first column) 22. Table I (pages 12-13) does not include space needed for library and the estimated number of instructors in each Department in Hobtained by taking the number of active graduate students in a normal quarter of 1950-51 (Appendix E, Table IX, first column),

TABLE I TO THE LIMIT OF THE PARTY OF THE PAR

CUBIC SPACE NEEDED

		G											
DEPARTMENT OR SCHOOL	A Cubic Space Needed for Books, Passage- ways, etc. (Figures	B Number of Studies	C Cubic Space Needed for Studies	D Number of Indi- vidual Working Spaces	Space Needed for Indi- vidual Working	F Total Cubic Space Needed for Stacks, Studies, and Individual Working	Number of Reading- Room Seats						
vibroiting shoot mit	Represent Cubic Feet)	Chieffi	MOLENIA.	CONTRACT	Spaces	Spaces	84 60						
PhilosophyPsychology	12,313	7 5	10,080 7,200 12,960	42 41 73	8,400 8,200 14,600	30,793 25,000 83,120	118 49						
Pol. Economy Pol. Science History	55,560 67,350 124,770	9 9 20	12,960 28,800	129	25,800	106,110	176 134 12						
Sociology Household Adm Geography	28,862 1,000 18,465	11 2 9	15,840 2,880 12,960	74 16 44	14,800 3,200 8,800	59,502 7,080 40,225	59 7 16						
Comp. Philology Greek Latin	9,690 15,510 17,588	3 7	2,880 4,320 10,080	7 13 23	1,400 2,600 4,600	13,970 22,430 32,268	41 125 50						
Romance	28,792 14,188 109,800	17 6 26	24,480 8,640 37,440	62 15 150	12,400 3,000 30,000	65,672 25,828 177,240	264 56						
English	13,012	3 4	4,320	13 32	2,600 6,400	19,932 32,440	75 101 17						
Mathematics	9,630 4,726 10,834	5	7,200	83 38 22	16,600 7,600 4,400	15,234	62 141 45						
Chemistry	15,255 34,140 14,700			56 26 22	5,200 4,400	26,455 39,340 19,100	42 39 91						
Zoölogy	20,415 17,948 9,830			10 11 12	2,000 2,200 2,400	12,230	82 44 20						
Phys. Chem	5,685 7,723 10,388			11 10 14	2,200 2,000 2,800	9,723	38						
Hyg. and Bact Divinity Sch School of Ed	72,387 94,548	30	34,560 43,200 17,280	40	8,000 38,600 4,000	114,947	500 225 100						
Law School	77,400 36,375 11,715	14	20,160	156	31,200	87,735 26,235	33 50						
General study room for professors in Science De	LIAN STO		o anie	20	4,000	34,700	Pile line						
partments and Medical School (see par. 19) General Library			16,000	40	8,000	16,000	100						
Totals	1,163,433	239	360,160	1,677	335,400	1,858,993	3,181						

to microstone attachem, egitar in defena, electrica structura in aci

TABLE I—Continued

			21123	777700		
	READING R	COOM SPACE	SEMINAL	R SPACE	TOTAL SPACE	the estimate of the
	G	н	I	majini	K	not believed bodies in
for and all	Number of Reading- Room Seats	Cubic Space Needed	Number of Seminar Rooms	Cubic Space Needed	Cubic Space Needed for Stacks, etc., Reading- Rooms, and Seminar Rooms	DEPARTMENT OR SCHOOL
5	84	33,600	I	3,000	67 202	Philosophy
1	60	24,000	ī	3,000	52 000	Psychology
793	118	47,200	ī	3,000	T22, 220	Pol. Economy
000	49	19,600	ī	3,000	128,710	Pol. Science
120	176	70,400	2	6,000	251,570	History
OII	134	53,600	i bal	3,000		Sociology
170	12	4,800		3,000		Household Adm.
502	59	23,600	I	3,000		Geography
080	7	2,800	in the latest	3,	16,770	Comp. Philology
225	16	6,400	I	3,000	31,830	
970	41	16,400	I	3,000	51,668	
130	125	50,000	I	3,000		Romance
268	50	20,000	I	3,000		German
672	264	105,600	2	6,000	288,840	
828	56	22,400	I	3,000	45,332	General Lit.
240	75	30,000	I	3,000	65,440	History of Art
932	IOI	40,400	I	3,000	85,470	Mathematics
440	17	6,800	I	3,000	20,326	Astronomy
070	62	24,800			40,034	Physics
526	141	56,400			82,855	Chemistry
234	45	18,000			57,340	Geology
455	42	16,800			35,000	Botany
340	39	15,600			38,015	Zoölogy
100	91	36,400	THE STATE OF THE	B	56,548	Anatomy
415	82	32,800			45.030	Physiology
148	44	17,600			25.485	Phys. Chem.
230	20	8,000	DECOME TO		17,723	Pathology_
885	38	15,200			28,388	Hyg. and Bact.
723	125	50,000	I	3,000	167,947	Divinity School
188	500	200,000	2	6,000	382,348	School of Ed.
947	225	90,000	I	3,000	191,680	Law School
348	100	40,000	I	3,000	T30.735	Sch. of C. & A.
680	33	13,200	I	3,000	42.435	Sch. of S. S. A.
735	50	20,000			54,780	Medical School
235 780			gui basuri e sensenii in ii ei	achistian communid	16.000	General study room for professors in Science Departments and Medical School (see par. 19)
174	100	40,000			180,174	General Library
993	3,181	1,272,400	24	72,000	3,203,393	Totals

adding thereto a figure representing the probable number of instructors that is, of the estimates of cubic space required for (a) books, passagein each department in 1950-51, and dividing the results by three. Ways, etc., (b) studies, and (c) individual working spaces in the The estimate of the probable number of instructors was obtained by a stacks. method parallel to that stated in the next to the last sentence—by use (7) The figures for the number of reading-room seats (Column G) working temporarily in the stacks concerned.

spaces (Column E) were obtained by multiplying the number of suchin a normal quarter of 1950-51 from the expected number of such spaces (in Column D) by 200, upon the assumption that 200 cubistudents in the first term of the Summer Ouarter of that year (figures feet will be allowed for each individual working space in the stacks in Appendix E, Table IX, first column, from those in the second This is a little less than the Harvard allowance, which is about 220 column), dividing the result by two and adding one-fourth, instead feet, but the system of arrangement of individual working space of one-third, of the registration of Senior College students in the same suggested in paragraph of will save cubic space and still leave slightlyterm (fourth column). The figures for the professional schools are more actual desk space to the individual student.

of the present ratio of instructors to the sum of professors, associate for the Humanistic Departments were in general obtained by dividing professors, and assistant professors (it does not seem necessary to by three the expected registration of Senior College students in a print in this Report the statistics concerned). (Compare the recom-normal quarter of 1950-51 (Appendix E, Table IX, third column). mendations in paragraph 19 as to individual working spaces for these (Compare the recommendations in paragraph 11.) In the cases of the departments.) The figure 40 for the Divinity School is arbitrary. Departments of Comparative Philology, Latin, Romance, and The work of the Divinity School is primarily vocational; but each Mathematics, however, the number of seats indicated by this method third-year student is required to take at least one research course, would not be large enough to provide for the excess of summer over and a number of students in the Divinity School pursue courses regular graduate students plus Senior College students on the basis leading to M.A. and Ph.D. degrees and involving research. The indicated in paragraph 12. In these cases, therefore, the figures figures for the Schools of Education, Commerce and Administration, were obtained by subtracting the expected number of active graduate and Social Service Administration were obtained by adding to the students in a normal quarter of 1950-51 from the expected number of estimated number of students in these schools in a normal quarter such students in the first term of the Summer Quarter, 1050 (figures in of 1050-51 (Appendix E, Table XI, first column) figures representing Appendix E, Table IX, first column, from those in the second column), the probable number of instructors in 1950-51. These figures were dividing the result by two, and adding one-third of the expected obtained in the same way as for the Humanistic Departments. The registration of Senior College students for the same Summer Term figure 20 for the Law School is arbitrary. The work of the Law (fourth column in the same table). (Compare the recommendations School is at present almost exclusively vocational; but it seems in paragraph 11.) The figures for the other Departments were in reasonable to suppose that a certain amount of legal research will be general obtained by dividing by four the expected registration of done by postgraduate students in years to come. The figure 20 Senior College students in a normal quarter of 1950-51 (Appendix E, for the Medical School is based upon the assumption that that school Table IX, third column). (Compare the recommendations in parawill have about fifty postgraduate students, whose work will begraph 19.) In the cases of the Departments of Physics, Chemistry, primarily laboratory work. The figure 40 for the General Libraryand Botany, however, the number of seats indicated by this method is arbitrary. It represents in reality not working spaces to be indi-would not be large enough to provide for the excess of summer over vidually assigned, but similar spaces for the convenience of those regular graduate students plus Senior College students on the basis indicated in paragraph 12. In these cases, therefore, the figures were ob-

(5) The estimates of the cubic space for the individual working tained by subtracting the expected number of active graduate students related in every case to the estimated number of students in pro-

(6) The estimates for the total cubic space required in and about essional schools for 1950-51 (Appendix E, Table XI). The particular the stacks (Column F) are the sums of those in Columns A, C, and Efigures chosen were reached by consideration of the probable actual needs in each case. The figure for the General Library represents the Commission's rough estimate of the number of seats required for readers concerned for the time being with non-departmental books.

(8) The estimates of cubic space needed in reading-rooms (Column H) were obtained by multiplying the number of reading-room seats square space thus indicated (5×5) is a standard library figure. The principles suggested in the foregoing paragraphs. height indicated seems a fair average reading-room height; it would

doubtless vary in the several reading rooms.

ment having a departmental building other than the library building Library and its facilities. additional seminar rooms may be located in the departmental building.

 $12 \times 20 \times 12\frac{1}{2}$) will be allowed for a typical seminar room.

are the sums of those in Columns F, H, and J, that is, of the estimates for students in the Modern Language departments and in the School of cubic space required (a) in and about the stacks, (b) for reading of Commerce and Administration and Social Service Administration. rooms, and (c) for seminar rooms.

SURVEY OF PRESENT FACILITIES

24. We turn now from the discussion of the character and extent (Column G) by 400—upon the assumption that 400 cubic feet will of library facilities which the prosecution of research requires to a be allowed for each reading-room seat (i.e., 5×5×16 feet). The survey and evaluation of existing facilities in the light of the general

25. The University Library is at the present time housed in part in the Harper Memorial Library and in part in a number of isolated (9) In Column I, for the number of seminar rooms required, one and relatively small libraries associated with individual Departments seminar room is assigned to each Humanistic Department or School, or Schools. It is worth while to recall that the present situation is the except that two seminar rooms each are assigned to the Departments of product of an evolution which, starting some thirty years ago with the History and English, and two to the School of Education; and none express purpose of maintaining departmental libraries, has now to the Departments of Household Administration and Comparative resulted, by the gradual consolidation of such libraries, in one large Philology, since these two departments could doubtless use the rooms collection and eleven small collections. Each of these collections will of allied departments. It may be noted that in the case of a Depart be referred to briefly, chief attention being given to the Harper

26. The Harper Library now houses about 385,000 volumes, in (10) The estimates of cubic space needed for seminar rooms the two floors of stacks below ground level, in the main reading-room, (Column J) were obtained by multiplying the number of such rooms the magazine reading-room, and the west tower. The second floor (Column I) by 3,000—on the assumption that 3,000 cubic feet (i.e. of Harper is given up to the use of the library staff for administration. In the stacks there are about thirty-five tables with artificial light for (11) The estimates for the total cubic space required (Column K) the accommodation of students, and in the west tower reading-rooms The seating capacity of these rooms is limited. In both east and west

towers are a number of Faculty offices.

27. On the first floor is an undergraduate reserve library containing about 16,000 volumes and having an average daily circulation of about 2,000. The remainder of the first floor is taken up with recitation rooms and administrative offices. The main reading-room on the third floor seats 364 students and is devoted almost exclusively to undergraduates and to those consulting reference books.

28. The stacks in Harper are very badly crowded, necessitating the constant transfer of books which are an integral part of the main collection to the Classics Building and elsewhere. The continuance of this process of transfer will eventually restore in part the unsatisfactory conditions which the Harper building was designed to

remedy.

29. The Harper Library does not now furnish the facilities for research which the Departments whose stocks of books are housed some are remediable by the completion of the original Harper plan calling for additional construction adjacent to and connected with the students. main building; while some appear to be irremediable even by the provision of these additional facilities.

30. Harper Library does not, and, by the nature of its construction tion, cannot, provide individual working spaces in or immediately adjacent to the stacks. The stacks in Harper are, for the most part underground. They are lighted only by artificial light, and th ventilation is bad. One cannot, with any satisfaction or convenience spend time there in the examination of a considerable series of books assembled or scattered. There is practically no provision and no room for studies adjacent to the stacks for members of the Faculty The individual working spaces of the students, so far as they have any are in reading-rooms shared by a large number of students and without rooms are, in general, several floors from the stacks, with no means of access except the inadequate elevators or the long and winding main stairways, a series of corridors, and a locked door. If, for instance, graduate student whose working space is in the Social Science reading room (in the Law Building), or one whose working space is in the Modern Language reading-room (on the fourth floor of the wes tower) finds a promising clue in research and wishes at once to follow it up, it will take him several minutes and much inconvenience to reac the desired book or group of books in the stacks, and more minute and inconvenience to return to his place. And if he then finds another clue, he must repeat the process. The tendency is, therefore, postpone or neglect specific investigations and verifications.

31. The main stacks are very badly crowded, and require that some relief be had in the immediate future. The reserve shelves it Harper reading-room is at peak hours crowded; and although the the graduate reading-rooms are full, and with the regular expansion of periodicals will soon become inadequate. The graduate reserv shelves found in the corridor space at the east end of Harper reading the to the best study conditions. The lighting during the evening room are badly lighted and inadequate. The shelving space in mos of the offices has reached the point where the floor is the only recourse

The existence of a few studies in the lower part of the east tower and of the difficulties will become progressively greater. few tables in the alcoves does not alter the general truth of this statement.

some members of the staff have entirely given up trying to use it, and all complain of the difficulties found in its use, in spite of the therein require. Some of the inadequacies are easily remediable; commendable effort of the librarian in charge. Moreover, there is no reading-room in the neighborhood of E 11 for the undergraduate

32. It is impossible at present to provide in Harper the seminar rooms and working rooms which the Social Science Departments require. The corridors in the east tower are being used by the different Departments for space which ought to be provided in rooms specially constructed for this purpose. It is not an uncommon sight to see students trying to work on the stairs of the east tower anywhere from the third floor up to and above the sixth. Examination of the corridors from the third floor up to the sixth will reveal a collection of filing cases, map cases, drafting tables, and other apparatus, the use of which is of increasing importance and for which adequate provision should be made at the earliest opportunity.

33. The elevator service is entirely inadequate to provide for the any considerable degree of privacy. Furthermore, these reading of the seminar room E 41, the increasing use of the corridors on the constantly increasing demands made upon it. The increasing use fourth, fifth, and sixth floors, the increasing number of student conferences held in the offices on these floors, and the enlarged toilet facilities recently installed make the use of the east elevator constantly greater until the point has now been reached when during a part of the day it is better to walk than to wait for the elevator to return. More than this, power is frequently cut off from the power house and occasionally the machinery breaks down, in either case requiring members of the Faculty and students to walk to the upper floors. The elevators are used not only for members of the Faculty and students, out for the members of the Library staff, for book trucks, and for messenger's carts. Separate elevators are needed for staff purposes, but there s no room in Harper for additional elevators for any purpose.

34. From the point of view of the undergraduate constituency, confusion is much less now that it was a year ago, there is a necessary ninimum of passing which results in a certain disturbance not favorlours, although recently improved, remains unsatisfactory.

35. The space behind the delivery desk is no longer adequate for The undergraduate reserve room, E 11, has become so congested that he amount of work which has to be done there. As this work increases

adjustment can be made in this respect.

administration. Departments, not only fail to facilitate and encourage research scattered through many buildings.) they impede and discourage research. That such is, in fact, the case 41. We turn now to a briefer survey of other library facilities. is not only the assertion of the writers of this Report, but is the 42. Philosophy. The philosophy books are now in the Classics in many individual conversations.

39. Relief can be had for the crowded condition of the undergrowth of the Department of the History of Art). the use of the library staff and for truck service are impossible. Students in other Departments and Schools. why men called to become members of our Faculties in the humanist should stay and Geography go elsewhere. field might well prefer to remain elsewhere rather than come her and a reason why graduate students in the humanistic field migh well prefer to go elsewhere rather than come here.

36. The present public catalogue room is crowded to capacity 40. Discontinuance of Harper as a library for graduate work at certain hours of the day, being used by as many as forty to fifty would by no means imply that Harper could not be used for other persons at one time. The amount of available space is being con-purposes. It might well be used as a building for the Social Science stantly diminished by the growth of the card indexes. The present Departments: the Commission submits herewith, in Appendix B, tray capacity will last for two years only, when it will become necessary a detailed plan for such utilization. Such use of Harper would to bring in additional filing cases. The growth in the number of obviate the construction of a large building for the Social Sciences, students using the card index and in the size of the index itself dooms which would otherwise be necessary, and would constitute a conthe present room within a very short time. It is not easy to see what tinuation and development of one of the purposes for which Harper has always served. The beautiful building would be no less truly 37. The use of certain studies in Harper by members of the a memorial to President Harper than it has been hitherto, and might Faculty as offices for consultation with students, now a matter o indeed win from those who use it an affection which it does not now practical necessity, tends to interfere with the efficiency of library enjoy. (There are still other possibilities for the utilization of Harper, as, for instance, that it be made the Administration Building, con-38. These conditions, for the most part inherent in the use of the taining not only the offices of the President and the Dean of the Harper building both as a library and as the home of the Social Science Faculties, but the many miscellaneous offices of administration now

general testimony of the members of the Faculties and of graduat Building. This is exceedingly inconvenient in that they are separated students in the several Departments whose books are housed infrom the books of other departments with which Philosophy is very Harper. It is voiced in many of the letters addressed by the Depart closely allied (Psychology and the Social Sciences¹), and in that the ments to this Commission, and has been expressed still more vigorousl members of the Philosophy faculty have not and cannot well have offices in Classics (particularly in view of the prospective re-establishment and

graduate reserve room E 11 by expanding its shelves into the adjacen 43. Psychology. The bulk of the psychology library is now badly room to the west, now used as a classroom; and other nearby room crowded in two small rooms in the Psychology Building. Its shelves could be converted into a reading-room for those using E 11. Thiare crowded and it is pitifully inadequate in working space. It reduction in the number of classrooms, however, would bring thatfords no individual working spaces for graduate students. No University practically to the saturation point so far as classroom spacother room in the Psychology Building can be used for library purposes. is concerned. The east tower elevator could be improved by th Twenty-six shelves of psychology books are in Classics. Ready access installation of a more powerful motor; but additional elevators foto the psychology books is much needed by Faculty members and

long as Harper is used for the purposes of the Social Science Depart 44. Geography. It is recognized by the members of the Departments and the Library the essential weaknesses are irremediablements of Geology and Geography that the prospective growth of The inferiority of facilities for research in Harper already constitute hose departments will soon make it impossible for both to be housed and, with growing congestion will increasingly constitute, a reason Rosenwald; and that when the time for separation comes, Geology

¹ See the Table of Degrees of Closeness of Library Interrelations in Appendix A.

45. Mathematics and Astronomy. These departments are relatively well off in respect to library facilities for the immediate present; but they are housed in a building designed for the use of the Physics Department, and the prospective growth of that department will eventually make it necessary that Mathematics and Astronomy be housed elsewhere.

in one room in Kent. Its shelves are crowded and it is pitifully departments is virtually impossible. Similarly, the library interrelainadequate in working space. No other room in Kent can be usedionships of the Departments of Romance, German, English, and for library purposes.

shelves are crowded and it is pitifully inadequate in working spaceSchool is virtually impossible." The demands upon this library will be greater than ever with the For the intimacy of the interrelationships referred to in this paragraph, see development of the Medical School; and the space occupied by the Table of the Degrees of Closeness of Library Interrelations in Appendix A. library is needed for the expansion of the work of the Department o Zoölogy.

48. The Divinity School. The necessity for new library construc tion in this case needs no argument. Such construction is, of course planned for in the plans for the new building of the Divinity School

49. The School of Education. The Education books are nov housed half in Harper and half in Blaine. The library facilities is Blaine are very inadequate. The shelf space is insufficient, the reading-rooms are overcrowded, and there are no individual working spaces for graduate students.

50. The Medical School. The necessity for new library construc tion in this case needs no argument.

51. The other Departments appear to have sufficient library space for the next twenty-five years in the locations and with th provisions here indicated: the Departments of Comparative Philology Greek, Latin, and the History of Art, in the Classics Building, provide that the philosophy books and much material stored in the basemen be removed; the Department of Physics in Ryerson, provided that Mathematics and Astronomy be removed; and the Department of Geology in Rosenwald, provided that Geography be removed. Th Law School appears to have sufficient space for the next twenty-fiv years.

SECTION VI

THE MAIN DEPARTMENTAL INTERRELATIONSHIPS

52. The library interrelationships of the Departments of Political Economy, Political Science, History, and Sociology are so intimate 46. Chemistry. The chemistry library is now badly crowded and so fully recognized that the separation of the books of these General Literature are so intimate and so fully recognized that the 47. The Biology Departments—Botany, Zoölogy, Anatomyseparation of the books of these departments is virtually impossible. Physiology, Physiological Chemistry, Pathology, Hygiene and imilarly, the library interrelationships of the seven Biology Depart-Bacteriology. The library now serving all these departments iments and the Medical School are so intimate and so fully recognized packed into a relatively small space in the Zoölogy Building. It that the separation of the books of these Departments and that

PART II

ALTERNATIVE SOLUTIONS OF THE BUILDING PROBLEM

pure top life next exemple for which is the breaking our warr

SECTION VII

INTRODUCTORY STATEMENT

53. The statements and forecasts contained in Part I make it evident that the University now faces a fundamental and very urgent problem, the solution of which will very materially affect its policy n respect to buildings. This fact makes it of peculiar importance, for when a building policy is settled, even though the decision is reached on educational grounds, the building policy tends thereafter to control educational policies themselves. It is to the Library policy is it affects future building plans that this part of the Report is levoted.

54. Of the various plans theoretically possible, two only seem to the members of the Commission who are responsible for the Report n its present form to be practicable. These are: I. Centralization, involving the construction of a single central library building which shall house the great majority of the books of the University; and II. Completion and development of the Harper group, with separate libraries for the School of Education, Medicine, and the Physical Sciences. As each of these plans has advocates in the Commission, t is necessary hereafter to express not the opinions of the Commission as a whole, but the divergent views of the two groups favoring each plan respectively. It will conduce to clearness if the reader will bear n mind the general plan of the following paragraphs. First, Plan I s stated, followed by the statement of Plan II. Then follow the arguments for Plan I and against Plan II; and in turn the arguments for Plan II and against Plan II.

¹ Both plans assume separate provision for the Libraries of University College and the Yerkes Observatory.

SECTION VIII

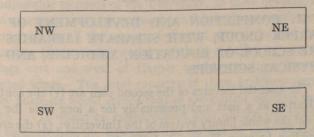
PLAN I: CENTRALIZATION

55. The first plan calls for a great central library building includ (1) all non-departmental books; (2) the general library stock of Departments of Philosophy, Political Economy, Political Scient History, Sociology, Household Administration, Romance, German English, General Literature, the Biology Departments, and Medical School; (3) the general library stock of all or nearly all the following Departments, for which new library construct problem will be treated below.

56. This plan varies in range from complete to incomplete centrhe Medical School. Other plans would, of course, be possible—the ization. Complete centralization would involve the transfer to storegoing is merely a reasonable suggestion. From east to west the a building of the general library stock of all Departments and Schoulding would probably extend about 300 feet, from a line about 250 in the University. Incomplete centralization would involve bet west of University Avenue to a line about 250 feet east of Ellis housing elsewhere than in the central library of the books of one venue. From north to south the building would probably extend more of the Departments and Schools referred to under (3) and (4) bout 200 feet, from a line about 75 feet south of Kent and Ryerson the preceding paragraph.

a line about 75 feet north of Rosenwald and the proposed Divinity 57. The central building proposed by this plan, as has been sachool. In height the building, as a whole, would probably rise to would presumably be located in the broad space that now intervelome ten stories. Should it be thought wise, the name "Harper between the northern group and the southern group of buildings Iemorial Library" might be transferred to this new building.

the campus. Its plan would presumably be somewhat like a thick H, the cross bar running from north to south, thus:



58. The extremities of the two western wings might be connected is already, or will soon be, necessary: Psychology, Geograp y one or more bridges and a subway; so also the extremities of the two Mathematics, Astronomy, Physics, Chemistry; and (4) the geneastern wings. The central portion would contain the rooms of a library stock of all other Departments or Schools disposed to eplentral and general character, including the catalogue room and the the central library (the other Departments are Comparative Philological Philologica Greek, Latin, History of Art, and Geology; and the other Schools loors, and administration rooms on the upper floors. The four wings the Divinity School, the School of Education, the Law School, vould contain stacks and seminar rooms planned, in each case, in School of Commerce and Administration, and the School of Soccordance with the principles set forth above. The southeast wing Service Administration). Such a central library building wovould serve the Social Science Departments (including Philosophy, presumably be located in the broad space which now separates bychology, Household Administration, and Geography), the Departnorthern group and the southern group of buildings on the campaent of Geology, the Law School, and the Schools of Commerce and The main axis of the building is conceived as vertical rather that dministration and Social Service Administration. The southwest horizontal, in part on the principle that the administration of a gring would serve the Language Departments, Classic and Modern, library is thought to be more economical on a vertical plane, in Phe Department of the History of Art, and the Divinity School. on the expectation that more rapid and satisfactory service wolthe northeast wing would contain the non-departmental books and result, and in part in view of the architectural promise involved rould serve the Departments of Mathematics, Astronomy, and the treatment of such a structure. The architectural aspects of thysics, and the School of Education. The northwest wing would erve the Department of Chemistry, the Biology Departments, and

SECTION IX

PLAN II: COMPLETION AND DEVELOPMENT OF HARPER GROUP, WITH SEPARATE LIBRARIES THE SCHOOL OF EDUCATION, MEDICINE, AND PHYSICAL SCIENCES

probably eventually converted to library purposes with such receasurably true of the studies and offices. struction as may be necessary; (4) the erection of the Theologi 61. In general, and subject to the foregoing principle, library Building north of Haskell and the installation in it of the Divincilities would be provided for the several departments as follows: School Library; (5) the erection of a Science Library (perhaps 5) (1) The Classical Group in Classics Building. divided as suggested below) at such point as may seem best on (2) The Modern Language Group in the building to be erected north half of the main quadrangle; (6) the eventual erection on est of Harper. bearing a name fulfilling the trust; (7) the erection, if and whilding when one of adequate size is provided. necessary, of a building joining the north end of the building replace (4) Geology in Rosenwald. Haskell and the north end of the Law Building, thus yielding a Haf (5) Geography, for the present in Rosenwald, eventually probably Theological Building; (8) if and when necessary, the conversion of intinues to be in that direction. Law School Building to library purposes and the erection of a 1 (6) The Divinity School in the Theological Building. School Building at some other point. The proposed science lib (7) The School of Education in a new building to be erected on should be connected with Harper by a tunnel to carry pneumatic tus own quadrangle. and book conveyors and to enable the passage of persons and b (8) The Law School in the Law Building, for years to come the trucks from one library to another. The basement of the new Diviresent one, eventually perhaps a new one. main desk in Harper.

60. It is of the essence of this plan that it will proceed by stal providing in the near future the buildings west and east of Harl the Theological Building, and the Science Library Building; some years later, replacing Haskell, which is recognized to be in quate for even the immediately future development of the Orie Museum, and to be incapable of enlargement on its present site,

much larger building, and when another expansion is called for, recting the building across the north end of Harper Court. It is aus adjustable to needs of the University, as these develop, in ways nd to an extent that it is not now possible to foresee with exactness. carried out in all the respects indicated above, the four buildings arrounding Harper court would constitute a hollow square, and the uildings east and west of Harper would constitute immediately onnected wings. The total capacity of these buildings devoted to 50. The essential features of the second plan are (1) the continuibrary purposes would exceed that of the central building suggested use of Harper as a part and presumably for a long time the her Plan I. It would be contemplated that all the buildings would quarters of the whole library system of the University; (2) the erecte so connected in the basement and on one or more of the upper of a building between Harper and Classics; (3) the erection obors that the books of the several classes would occupy the space building east of Harper, extending to Foster, the latter also be coportioned to their number and bulk and that the same would be

site of Haskell of a much larger building devoted wholly to libr (3) The History and Social Science Group in Harper and the purposes, the memorial interest in the present building being conseruilding to be erected east of Harper. Commerce and Administration by the erection elsewhere of a more adequate Oriental Muselight be included in this group, or preferably be located in its own

court 150×210 feet and a fore court between Rosenwald and connection with the Social Science Group if its development

Building might be connected with this tunnel and give pneum! (9) Medicine, Biology, and Chemistry in a Science Library; tube connection between the library desk of that building and lysics, Mathematics, and Astronomy, in this building or in an tension of Ryerson.

SECTION X

ARGUMENTS FOR PLAN I AND AGAINST PLAN II

62. In the consideration of the educational and administrati should be the degree to which each promises to facilitate and encoura administrative or aesthetic. And in the long run, financial econor esearch. will coincide with the provision of facilities which will in real facilitate and encourage research. Any attempt to economize failing to provide such facilities will surely defeat its own ends.

63. The several departments and schools of the University of such interrelations is clearly on the increase. This increasi esearch. interrelationship is, of course, due fundamentally to the increasi sense of the essential unity of knowledge, and in particular to sense that research cannot be limited by departmental barri The results of a study of the degrees of closeness of the present int relationships of the several departments and schools are present onsulting the library. herewith in tabular form in Appendix A: we commend that tal to the particular attention of the readers of this Report. As research conducted by the University extends in scope, interrelation between Departments and groups of Departments will largely increase The stock of books used most frequently by a given Department be used more and more by members of the Faculty and gradul students of other Departments. No Department has a prescript right to the exclusive possession of any book; every book is potential needed by students in many Departments. It follows that all both should be so located as most fairly and readily to satisfy such int departmental needs. A great central library provides just such location.

64. A central library makes the non-departmental books—gene periodicals, publications of learned societies, general reference work etc.—equally accessible to all Departments and Schools.

65. A central library makes a great central catalogue equa accessible to all Departments and Schools. From the point of vi of the facilitation and encouragement of research, the use of such catalogue is preferable to the use of a smaller departmental catalog in the first place, because a great central catalogue can be maintail

on a level of expert excellence, both as regards inclusiveness and as regards analysis, which cannot reasonably be expected in a series of minor catalogues; and in the second place, because the habit of consultation of a general catalogue is in itself a broadening educational habit.

66. In a central library there is a tendency for members of different advantages and disadvantages of either plan, the fundamental criteri Departments to meet and compare notes as to the progress of research much more frequently and naturally than would be the case otherwise. research. This is more important than any other consideration informal conferences are of great value in the stimulation of

67. A central library permits excellent supervision by properly rained librarians over the various branches of the library. This upplies to all phases of the library service, as, for instance, readingoom management, shelving, and stack service. Excellence in these interrelated to a large degree in the use of books, and the closen espects contributes directly to the facilitation and encouragement of

> 68. A great central library permits immediate access to the whole tock of books by members of the library staff. This, in turn, paricularly as it applies to the Reference Department and to searchers or "difficult" books, reacts directly upon the convenience of those

> 69. A central library eliminates the great delay caused by the nechanical transfer of books from one building to another. In the ase of dispersed libraries, such transfer is necessary not only in the ase of books specially called for by or from a departmental library, r wanted for a temporary reserve, but in the case of all books added o the permanent library stock, since all books are necessarily purhased and catalogued in a central building. This applies with particular force to periodicals, which come first to the main library, re then sent unbound to the dispersed libraries, are later sent back o the main library for binding, and eventually returned to the ispersed libraries.

> 70. On the administrative side, a central library is, in the view those who favor this plan, greatly to be preferred. The expert in ny branch of the service has greater range than in the case of dispersed ibraries, both in respect to his individual duties and in respect to the upervision of his subordinates. He is, therefore, employed with reater efficiency and greater economy.

> 71. The concentration of effort on a single great central catalogue, lready referred to as desirable from the point of view of research, is xceedingly desirable from the administrative point of view. Such

which runs to 35 or 40 cents per card.

72. In a central library the charging system may be kept simple 76. Such a building as that proposed in Plan I would, of course, In the case of dispersed libraries, duplication in charging frequently ford a great architectural problem. It is the belief of the advocates occurs, as, for instance, when a book indefinitely loaned to a speciof this plan that it would afford a magnificent architectural opporfor books charged to Faculty and students.

the library upon this plan would be much less expensive than upolesigning of a structure thus prepared for extension is by no means Plan II. This opinion appears to be shared unanimously by mpossible. Some of the notable buildings of Europe have grown number of librarians to whom the matter has been informally pro be what they are through a series of additions. It is within sented in general terms.

could be located in Cobb Hall and (if the Classics books should New World. transferred to the central library) in the Classics Building.

for other purposes—as, for instance, offices, classrooms, and conferencendent architectural effectiveness of the buildings which are built rooms—spaces in many departmental buildings now given to stackpon that space. In this respect, however, it may be noted that and reading-rooms; and would thus add appreciably to the resourcaough the cross-campus view of Ryerson, for instance, would be of these buildings for work other than library work. The separationst, it is equally true that a beautiful building remains beautiful of library collections from the departmental facilities (as classroonven if higher buildings are erected near it, that it may indeed gain

duplication in the preparation and filing of cards as is required band laboratories) will become inevitable in the near future in some the maintenance of dispersed libraries is a matter of very heaveases under any circumstances; in other departments this disadvantage expense. This applies not only to the original making and filing owould be to a considerable degree offset (a) by the presence in each the cards, but to the necessity of entering the frequent changes of epartmental, group, or school building of a limited reserve; and (b) location of a given book upon all the cards concerned—the cost oby the development of a system of subways connecting the central ibrary building with other buildings.

library is in turn loaned for reserve to another special library. Thiunity. In its proportions it is greater than any building now on the not only makes unnecessary charging, but is certain to cause the readeampus. It would occupy the center of the campus and might well considerable annoyance and loss of time in being sent from library toe treated as the dominant and unifying architectural member of library. Efforts are being made to reduce the cost of duplication, bihe whole University design—as the towering center toward which charging all books which are sent to departmental libraries instead the other buildings lead up, around which they cluster like supporting marking location symbols on the catalogue cards. This expedienbuttresses. Furthermore, the fact that the several portions of the however, results in a huge accumulation of charging cards and meanuilding differ somewhat in character and the fact that the wings that every call slip must be compared with this file before being semight well differ from each other, to some extent, in size and in to the stacks. Results of recent investigations made at the Universithape would afford the architect an excellent opportunity for the of Illinois for a number of departmental libraries indicate that betweelvoidance of monotony and for the development of that principle of 25 per cent and 30 per cent of the entire expenditure is for cataloguing ariation which is a vital principle of Gothic architecture. In its In the case of dispersed libraries, unnecessary and undesirable duplicaretical emphasis, also, the building would be absolutely within the tion occurs also in the sending out of notices at the end of a quart othic tradition. The architectural difficulty and opportunity are ooth increased by the fact that the building should be so planned 73. Those who favor Plan I believe that the administration as to be capable of enlargement in the centuries to come. The

rchitectural power to design a building conceived not as a thing 74. The building of a central library would obviate the necessitefinitive and limited, but as a living, growing organism. It is the of erecting new buildings for the Social Science Departments and feelief of the advocates of this plan that architects would be eager to the Modern Language Departments. The classrooms, laboratorieneet the challenge of such an opportunity in the conviction that such and other non-library facilities of the Modern Language Department building might well be made one of the greatest buildings of the

77. It is true that such a building would necessarily destroy the 75. Similarly, the building of a great central library would releaseent character of the open campus and would diminish the inde-1 poignancy and may even more intimately reveal its fineness.

well kindle to good purpose the imagination of thousands students.

to them. Under such conditions gifts of collections of books or giftuses of mental disease, delinquency, and crime, applied engineering, the obvious stimulation to the imagination provided by such as in specific gifts of or for books.

80. A great central library, properly designed, would ma possible the indefinite extension of resources in a much more economic manner than would otherwise be practicable. The present Repu envisages immediately the situation which will presumably exist 1950-51; but no one believes that the growth of the University libraries will cease at that time. If a great central library, prope designed, is built in the location above referred to, a large additi could be made, say once in twenty-five years, as a single homogeneous piece of construction under a single contract; and the space availal is such that by the proper utilization both of horizontal and verti opportunities, the needs of the library could presumably be supply for several centuries. If, on the other hand, growing libraries maintained in a number of different buildings, frequent piecem additions of new wings to existing buildings will be necessary; since the ground available for such wings is limited, and the height the wings could hardly exceed that of the original buildings, a po

81. In the opinion of those who favor Plan I, there are cert disadvantages inherent in Plan II. One fundamental difficulty that it tends to disjoin the sciences from the other department Omitting to speak of the specific cases which now bridge the between them (Psychology, Philosophy, Geography, etc.), those favor Plan I desire to call attention to the strong prevailing tender toward the introduction of scientific methods in the social scient

78. A great central library has further the very real value and the recognition of the social sciences as belonging to the science symbolizing the unity of knowledge and of educational endeavoroup. Already the American Association for the Advancement of The conception of such a building certainly stimulates the imagin cience has a section (K) devoted to the social sciences; the newly tion. If it should receive a loyal architectural expression, it migranized Social Science Research Council is already co-operating ith the National Research Council, and steps are under way to filiate it with the National Research Council and thereby with the 79. The presence on the campus of a great central library wou ational Academy of Sciences. A number of professors of Political serve notice on the city and the country that the University corience are now preparing a series of studies for the National Research siders its library as the heart of its educational equipment, and thouncil. The mutual interest of the natural sciences and the social it proposes to house its books properly and to provide proper acce iences in such fields as public health and sanitation, the study of the for collections of books would be far more likely to be forthcomi^{ad} many others is sufficient indication that each group of departments than in the case of dispersed and less impressive libraries. Inde now and will in greater degree be vitally interested in the books and ogram of the other. It is obvious, therefore, that Faculty members structure might well result in general gifts to the University as wild students working primarily in the sciences will need in increasing easure to work among the Humanistic books, and vice versa. Plan recognizes the need for contact between the two collections by oposing a tunnel connection between the buildings. The advocates Plan I cannot help feeling that the degree of interrelation desirable more effectively obtained by a single library building.

82. In the opinion of those who favor Plan I, a second fundaental fault of Plan II is that it contemplates the indefinite expansion the library on a horizontal plane. It is thought that true library onomy demands the construction and operation of a great library a vertical plane rather than a horizontal plane. Greater efficiency service, greater rapidity in delivery of books, greater ease of access books, higher efficiency in library administration, and more intensive e of ground space are all inherent in vertical construction. The fficulties of administration on a horizontal plane, already apparent in e operation of Harper Library, will be rapidly increased as the eleents of Plan II are realized.

83. Those who favor Plan I find a third important weakness of an II in the fact that the plan appears to make inadequate provision will eventually be reached beyond which such piecemeal constrict the growth of the Social Science and the Modern Language Departents. Examination of Appendix B will show that the space requireents of the Social Science Departments for facilities other than rary facilities are such that they could at once use the whole of aper to advantage for non-library purposes. And if one or more the four closely allied departments-Philosophy, Psychology, usehold Administration, and Geography—should join the group, space requirements would be so much the larger.

84. The proposed building for the Modern Language Department if large enough to accommodate the libraries and other facilities the Departments concerned, would already be too large for the spi west of Harper, and would have no room for expansion. Calculation show that the total stack space for books now required by the Mode 88. The reasons which favor the plan now under consideration Language Departments (Romance, German, English, and Genery be presented under four heads: Literature) is 30,780 cubic feet; that the space which would now I. Educational Considerations needed for professorial studies is 41,760 cubic feet; that the spi 2. Architectural Considerations which would now be needed for individual working spaces in the sta 3. Financial Considerations is 22,000 cubic feet; that the space which would now be needed 4. General Considerations reading-rooms is 111,200; and that for 1950-51 the correspond 89. Educational Considerations: It is the opinion of those who

those who favor Plan I.

present system by Plan II would still be open to difficulties estation of the first floor of Harper in accordance with the original remediable by a single library. The processes of ordering, catalogun of this building whereby a considerable number of studies for recording, and binding would presumably continue to be central ructors and graduate students may be provided having adequate in Harper, thus necessitating the constant transfer of books from library to the other and the constant requirement that the lib the of Harper are constructed as contemplated in this plan, provision staff go from one building to another.

they are not readily accessible to research students. Provision the west of Harper. studies on the ground floor of Harper would only partially rep 91. The problem presented by the libraries of the Departments of this difficulty.

ARGUMENTS FOR PLAN II AND AGAINST PLAN I

- figures would be 150,789; 74,880; 48,000; and 198,000. Nor do for Plan II that there are substantial advantages in the location of foregoing figures provide for classrooms and other non-library facilitons used by the Humanistic Departments and Schools where they 85. Plan II involves also a large-scale duplication. In the Hary be most conveniently accessible to instructors and students; center there would be of necessity a single inclusive catalogue will correspondingly, serious disadvantages in their concentration in a proper analyticals and shelf lists. In the Science Library it would be of reference to collateral necessary to duplicate this equipment for the 80,000 books now ding and the consultation of authorities is in many cases directly stock and for the thousands of yearly additions. In addition eproportion to the facility with which such reference may be made card in the Harper catalogue belonging to a book in the Science moment. It is important, therefore, to avoid in every practicable Library would need to bear a special symbol showing the permary whatever would tend to render such immediate reference physilocation of the book. The maintenance of two large separate library inconvenient. Moreover, the location of books conveniently would mean a considerable duplication of administrative and sulfacent to classrooms lends additional interest, emphasis, and would mean a considerable duplication of administrative and so difficance to the work of the related courses. The plan now under visory staff. In short, from a purely business standpoint the duplication of the related courses. tion in building, staff, and operation does not recommend itselfsideration seeks to secure these advantages by the arrangement cribed in paragraph 61.
- 86. Library administration while somewhat improved over 90. The plan now under consideration contemplates the reconural light; and when the other buildings of the group east, west, and this kind of study in immediate contiguity to the stacks will be 87. It should be noted also that Plan II continues to ho greatly increased. Space for the expanding catalogue may be very large stock of books underground in the Harper stacks, with one of the similar needs met in the building proposed to be
 - Physical Sciences has its peculiarities and special difficulties. a sense laboratories are to the Physical Sciences what libraries are he Humanities. But the Physical Sciences also have their libraries ch for practical purposes need to be in as close connection as

possible with the laboratories. If the literature of each science sharply differentiated from that of all the other sciences, the arrangement for the specialist investigator would be a library o own science immediately adjoining his own laboratory. But acco must, of course, be taken of the fact that the literature is not sharply subdivided, and that the student in one field is obliged consult the literature of other fields. It remains, however, that the interest of the laboratory investigator, the books of his sub should be within as easy reach of his laboratory as possible. having had our past experience and reached our present developm we were beginning to erect buildings on a new site, it is not imposs that we should find the best solution of our library problem, so fa respects the Physical Sciences, in one huge building, at the center which should be the library of sciences, and in the various outly portions, the laboratories, classrooms, etc., of chemistry, biology, an alternative to Plan I. physics.

92. This condition, however, does not exist. The build

93. It is the conviction of those who favor the second plan establishment of a library of chemistry, the biological sciences, er class, medicine in a building in as close connection with the building 96. For example, housing the chemistry library in the same buildto develop a library for physics, mathematics, and astronomy. of the biological group and adjacent to the buildings of the Medding would. School. This does not probably provide ideal conditions for Bio 97. There are advantages in a building of ten stories over one of and Medicine, but such conditions are in any case rendered impost for library purposes, but these may easily be overestimated. by the detached character of the buildings already erected and of

that the buildings still to be erected for the hospitals and laboratoof the Medical School must be separated from the existing buildings intervening streets.

94. Adequate library space is thus provided by the second plan the period which the present report includes, both for the Science partments and for the Humanities. The plan makes provision for Faculty studies and graduate-student working spaces in the cks and for seminar rooms adjacent to the books. The plan ognizes substantially the existing interrelationships of Departments, groups the library facilities in accordance therewith. It raises difficult architectural problem, but provides for new construction exactly the type which has prevailed. The plan lends itself readily partial completion, one new building after another being built as necessities of the situation require. These are all substantial vantages necessitating full and careful consideration of this plan

95. Centralization, it may be conceded, has many advantages m the point of view of the library administration which it would already erected for the several sciences, not to mention also the ed desirable to secure if this could be done without sacrificing the foreseen necessity for additional buildings, especially for biology antages of readers and investigators. If it could be carried out medicine, exclude any such solution of the problem, and compe full it would likewise serve excellently the convenience of the to seek instead an arrangement which, though not furnishing is assional visitor from outside the University and the scholar whose conditions, shall contribute most highly to the future developmed erests range over many departments. But it cannot be too strongly ted that the library administration exists to facilitate research and ruction by placing the resources of the library where they can be this cannot be done by removing all the libraries of the sciences d with greatest facility by those who are engaged in research and central building, with the result that none of the scientific groups we giving or receiving instruction. The interests of the occasional have immediate and easy access to the books of its subject. On the widely ranging scholar are not to be forgotten, affecting, as they do, a relatively small group, should not be far as practicable. Perhaps there is no better solution than wed to control to the detriment of the much larger number of the

with the Humanities removes the library of chemistry from conlity with its laboratory. The former relationship is desirable, former library might well be built on the main Quadrangle on the latter, contiguity of the chemistry library and laboratories, portion of the unoccupied land, south of Snell and west of, and ald probably serve the interests of research to ten times the extent nected with, Kent. Such a location will eventually be near the cet the location of the Chemistry library in the general library

It must not be forgotten that a building which is to provide re afford to wait, for the single gift of four millions for a single space for 5,000 readers, assigning many of these individual stding. or reserved desks, working space for a staff of 200, storage for 2,00100. General Considerations: In reference to the problem as a walking.

volumes, and corridors and elevators for communication and trafle, it is the opinion of those who favor the second plan that it is tation, cannot be other than a large building, with many room r to make necessary modifications in the plan which was approved with considerable distances between the more remote portions. 902 and has since been partly carried out than to abandon this from one part to another of this building will inevitably col adopt a new one which twenty years hence may, in its turn, time, and the advantages in the greater height over a group of to have somewhat missed the mark. Perfect foresight of the necting buildings of lesser height may easily be overestimated re is not given to us and is, perhaps, no more likely to be achieved one is to walk he can do so more easily on a level than up and than twenty-one years ago. Evolution and modification seem stairs, and often waiting for an elevator is more time-consuming than discarding a half-completed plan and beginning all over

98. Architectural Considerations: The advocates of Plan I coro. To those who favor this second plan, moreover, it appears that their proposal has great architectural difficulties. To r to proceed by gradual development than to attempt to arrive who favor Plan II, these difficulties seem fatal to the plan he goal by one great effort. The assumption on which the first University has led the way in planning its buildings on a conf is based, that we must expect the University to increase the plan and giving due consideration to the educational value of ber of its students at the rate and to the extent which a statistical tectural symmetry and beauty. The erection of a ten-story by of our history would suggest, seems to the advocates of the in the center of the main quadrangle, approaching within 75 nd plan to rest upon very precarious grounds. Not only is it the much lower buildings north and south of it, would, in the judetful whether the extraordinary increase in the number of young of those who favor the second plan, go far toward undoing while seeking a college education within the last twenty-five years been done in thirty years to create a group of buildings characteristics, but even if it should so continue, it is quite not only by the architectural beauty of each building, but by ang the possibilities that the University may, a few years hence, and symmetry of plan. To them it would be an architectural die that its duty lies rather in the improvement of the quality of not to the University of Chicago only, but to the city and rork than in the increase of the numbers of its students, and that country. Such a sacrifice might be made if it were required by conservation of quality demands the setting of a limit to the tional efficiency. But when educationally also it sacrifices the inber of students far below that which a mere statistical inquiry of many departments to the convenience of the administrativid suggest. It is already clear that to meet the needs of the and the occasional student of exceptionally wide interests, ilries as well as to provide necessary space for other educational work the opinion of those whom this paragraph represents, quite indemand the early erection of additional buildings—certainly the lings east and west of Harper, the Theological Building, and the sible.

99. Financial Considerations: The financial problem project which shall eventually replace Haskell. Manifestly also by the first plan is very difficult. It calls for perhaps four provision must be made at a very early date for the libraries of dollars for one building which will far exceed immediate needs icine and the physical sciences. But in view of the uncertainty sum will be exceedingly difficult to obtain unless from one gib the precise character of our future development and the extent in the case of the Widener Library. The University must sole future increase in our student body, it seems to the advocates its friends for several millions to enable it to make new eduche second plan wiser to proceed from our present status by a advances. In this sum it may be possible to include a millioess of gradual development than to attempt now to formulate million and a half divided into two or three sums, each for a bun based on a statistical prediction of our future growth. It is to be feared that it might wait a long time, much longer

objection to Plan I that it converts the Harper Memorial Library to a use for which it was not originally erected and to which it is not easily adaptable. Its capacious basement stacks would be not easily convertible to the purposes of a departmental building, nor is it a satisfactory disposition of the most beautiful reading-room in the world to employ it as an exhibition room for a museum of the historical and social sciences. Similarly, the plan proposes no use for the Classics Building, and none for the spaces east and west of Harper which are needed to complete the Quadrangle; and instead it proposes to occupy the space in the center of the main Quadrangle, which from every point of view should be left vacant as long as possible, if not permanently, with a building wholly out of scale with the existing buildings.

103. Plan II, on the other hand, retaining the use of the William Rainey Harper Memorial Library for the purposes for which it was originally built, conserves the sentimental interest attaching to this building, given to the University by more than two thousand donors, who made their gifts not only as a memorial to the first President of the University, but in the expectation that it would be the central unit of the University system of library buildings.

PART III

ADMINISTRATIVE QUESTIONS

SECTION XII

DIRECTOR AND LIBRARIAN

ro4. The Commission believes that the final authority in the administration of the University Libraries should be, as hitherto, in the hands of a member of the Faculties serving as Director of the University Libraries. Since the Library exists for the specific purpose of the facilitation and encouragement of research, it is essential that the policy of the Library be directed by a man who is himself vitally interested in the facilitation and encouragement of research. The principle that the Library exists for this purpose must dominate all other principles; and it cannot in practice so dominate if the direction is in other hands.

105. Associated with the Director of the University Libraries there should be, as heretofore, a trained librarian, who should keep himself abreast of all progress in library administration and technique (and should indeed be a leader in experiment in that field). The Librarian should have immediate control of the Libraries, should himself initiate projects for improvement, should advise the Director, and carry approved policies into efficient execution.

106. A point of view at variance with that expressed in the two preceding paragraphs is set forth in Appendix G, prepared by Mr. Hanson.

SECTION XIII

EXPENDITURES FOR BOOKS

107. The accompanying table shows the amounts expended and appropriated for books in certain recent years by nine university libraries.

TARLE IT

atmiddd og all 130.	IA	BLE II	add to the	
University	Year	Number of Volumes Added	Expended for Books	Total Volumes in Library, 1921
Chicago		28,951	\$36,776	
	1919-20	29,081	51,358	
	1920-21	26,583	66,143	623,423
my my control and an analysis of the	1921 22		55,000†	
Harvard	. 1912-19	48,725	89,642	
	1919-20	87,500	90,720	
		73,100	107,053	2,101,200
Columbia	. 1912-19	26,152	42,737	
	1919-20	28,926	73,899	
	1920-21	36,768	75,623	797,106
	1921 22		76,000	
Yale	. 1912-19	43,672	36,823	
	1919-20	27,000	29,240	
	1920-21	48,282	62,721	1,471,028
C	dicht evecu	Be oder with	57,000	damping 3-0%
Cornell	. 1912-19	16,534	21,647	
	1919-20	27,587	26,118	
	1921-22	24,449	39,952	655,000
Princeton			44,000	BESUATI
I Iniceton	1912-19	23,005	21,697	
	1919-20	14,983 26,294	26,907	469,000
	1921-22	20,294	37,643	409,000
Michigan			33,000	
witchigan	1912-19	15,778	29,975	
	1919-20	18,898	56,000	457,000
	1921-22	23,433	51,000	43/,
Illinois				
	1912-19	29,649	58,626	
	1920-21	21,423 17,352	43,000	456,000
	1921-22		57,000	
Wisconsin‡	7070			
	1912-19	11,197	27,003	
	1920-21	8,260	26,661 42,702	287,000
	1921-22		60,000	

^{*} Entries for 1912-19 represent the annual average for those years.

‡ Excluding State Historical Society.

108. From this table it appears that in 1920-21 Harvard spent for books \$107,000, Columbia \$76,000, and the University of Chicago \$66,000; and that appropriations for 1921-22 were as follows (Harvard amount not known): Columbia \$76,000; Wisconsin \$60,000; Yale \$57,000; Illinois \$57,000; the University of Chicago and Princeton \$55,000 each. In other words, the University of Chicago ranks far below Harvard and Columbia in its expenditures for books. If Chicago is to maintain itself as an institution devoted to research, its expenditures for books must be very considerably increased.

[†] Entries for 1921–22 represent appropriations, not expenditures.

section XIV

SALARIES OF LIBRARY STAFF

109. The Library Commission believes that adequate library facilities require and include an adequately trained and competent staff, which can be maintained only by adequate salaries. The following table, taken from the Bulletin of the American Library Association, Volume 17, page 73, gives the range of salaries in twenty-four American colleges and universities.

TABLE III

							E THE ST			
Library		MENTAL ADS	Profes Assis	SSIONAL		ON- SSIONAL TANTS	CATALOGUERS			
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.		
Chicago Iowa Kansas Ohio Oregon California Illinois Northwestern Purdue Bowdoin Michigan Missouri Nebraska Dartmouth Princeton Rochester North Carolina North Dakota Oklahoma Brown Washington Amherst Harvard Vassar	\$1,800 1,900 1,500 2,400 1,500 1,500 1,500 1,800 1,800 1,500 1,500 1,500 1,500 1,400 1,400 1,500 1,400 1,500	2,000 1,800 2,750 2,000 2,700 2,700 2,400 2,100 2,600 1,600 2,800 1,800 2,000	I,200 I,080 I,200 I,320 I,300 I,250 I,200 800 I,300 I,500 I,200 I,320	1,800 2,000 1,300 2,200 1,900 1,500 1,800 1,700 1,500 1,380 2,000 1,500 1,500	780 720 720 900 1,020 800 900 720 1,000 900 720 960 600 900	1,200 1,300 1,200 1,200 1,250 1,100 1,200 1,300 1,100 1,200 1,200 1,200	\$ 900 1,200 1,000 1,080 1,200 1,200 1,250 1,000 1,400 1,500 1,500 1,500 1,600 1,600 1,600 1,000 1,000 1,000 1,000 1,000	1,800 2,000 1,300 2,000 1,900 1,500 1,500 1,800 2,000 1,600 2,000 1,500 1,500 1,500 1,500 1,500		

110. From comparison of the maximum figures of this table the conclusion might be drawn that the University of Chicago was maintaining a salary level as high as that of other American universities. Much depends, however, upon the distribution between these

extremes. The following table indicates that the distribution in every case comes more nearly to the minimum than to the maximum figures.

TABLE IV

Class Average Salary

Departmental heads \$2,132

Professional assistants 1,305

Non-professional assistants 934

Cataloguers 1,440

the salaries paid to graduates of New York State Library School. The average salary paid to graduates of this school who have taken the one-year course (in 1922), was \$1,647; to graduates who have taken the two-year course, \$1,786.

except departmental heads, the minimum salary is substantially less than that offered by other institutions. This means that the best trained library workers start elsewhere or come here at a financial sacrifice. The salary offered for the beginner is not enough to attract good material to the University of Chicago Library.

113. The general inadequacy of salaries paid to the permanent members of the library staff is indicated by a study of the number of resignations in the course of the year. The following table gives the total regular staff and the number of resignations per year for the last four years for which the figures are available.

TABLE V

Years	Total Staff	Resignations
1918–19	96	32
1919-20	93	24
1020-21	94	29
1021-22	91	28

PART IV
APPENDIXES

the case of the case that y material factor to be the called before the

OF THE LIESARY FOR WISHON

THE PART AND PROPERTY IS NOT THE CONTRACT OF THE PARTY OF THE PARTY OF

APPENDIX A

MOTESTERNITATION TO THE REPORT TO

THE DEGREES OF CLOSENESS OF LIBRARY INTERRELATIONS

TABLE VI*

					0	110	IC.	a	1	no.	1	h		BO					10	21)	-	_			_		_		-	-	=
lary men and that lary men and	Divinity	Education	Law	Commerce	S. S. A.	Philosophy	Psychology	Pol. Ec.	Pol. Sci.	History	Sociology	Geography	Greek	Latin	Romance	German	English	Art	Math.	Astronomy	Physics	Chemistry	Geology	Botany	Zoölogy	Anatomy	Physiology	Ph. Chem.	Pathology	H. and B.	Medical
Divinity School. Education Law School. Commerce and Administration. Social Service Administration. Philosophy. Psychology. Psychology. Political Economy Political Economy Political Economy Political Economy Political Economy Political Economy Fistory. Sociology. Geography. Greek. Latin. Romance. German English. History of Art. Mathematics. Astronomy. Physics. Chemistry. Geology. Botany. Zoölogy. Anatomy. Physiology. Phys. Chemistry. Pathology. Phys. Chemistry. Pathology. Hygiene and Bac Medical School.	55.55.55.55.55.55.55.55.55.55.55.55.55.	5	5	5	5 5	5	50 55 55 55 55 55 55 55 55 55 55 55 55 5	5 5 70	5 15 5	55 55 55 55 55 55 55 55 55 55 55 55 55	10 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	10	4	55 -	5	5 1	5 5 5	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5.	4.50		I	5 5 5	555555555555555555555555555555555555555	55555	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	51	5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	5 0 5 1	0 5	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 7 6 7 7 7 7

^{*}The table is on the scale of 100: that is, an entry of 100 would indicate a relationship between two departments, in respect to the use of library books, which would be a virtual identity. A dot indicates a relationship too small to be represented by the figure 5, yet not inconsiderable.

STATEMENT OF THE METHOD FOLLOWED IN THE PREPARATION OF TABLE VI

Each Department and School was asked to estimate (1) what percentage of the total use of library books by its own instructors and graduate students in the next thirty years is likely to be use of books belonging primarily to each of the other Departments and Schools; and (2) what percentage of the total use of its own books in the next thirty years is likely to be by instructors and graduate students of each of the other Departments and Schools. The highest possible estimate in each case was 50 per cent, the entries for the Medical 22000 represent use of b

since no Department could suppose that more than half of the use of library books by its own men would be use of books belonging primarily to some one other Department, nor that more than 50 per cent of the total use of its own books would be by men of some one other Department.

The complete set of estimates thus obtained gave potentially four estimates of the extent of each interrelationship. Thus, with regard to the interrelationship of the Departments of Philosophy and Psychology, the Department of Philosophy estimated that 6 per cent of the total use of library books by its own men would be use of psychology books, and that 4 per cent of the use of its own books would be use by psychology men; and the Department of Psychology estimated that 4 per cent of the use of books by its own men would be use of philosophy books, and that 4 per cent of the use of psychology books would be by philosophy men.

These estimates were then studied by three members of the Commission and slightly revised in some cases.

Each set of four (or less) figures thus obtained for each departmental interrelationship was then added. Each resulting sum of four figures ceased to be a percentage figure, but was a magnified index of the extent of the interrelationship of the two departments concerned. The highest figure possible in any one case was 200.

These results were then tabulated in a form similar in general to that of the table submitted herewith, but differing from it in that the Departments and Schools were arranged in the order followed in the official publications of the University.

From that first table the present table was derived by a process involving three modifications. In the first place, the departments and schools are now arranged in an order shown by the figures in the first table itself to be a more logical order so far as library interrelations are concerned. In the second place, figures for the Departments of Household Administration, Comparative Philology, and General Literature are omitted, since these departments, while notable for the very fact that they are closely interrelated with several other departments, are relatively small (so that figures given for them would hardly be of the same order of significance as the figures for other departments) and afford no serious library problems. In the third place, the scale of the figures was reduced by a division by 2—thus making the highest potential figure 100—and the figures themselves were simplified by altering $2\frac{1}{2}$ and all higher figures to the nearest multiple of 5 ($2\frac{1}{2}$ being altered to 5, $7\frac{1}{2}$ to 10, etc.), and 2 and all lower figures to a dot.

The entry for the Divinity School covers not only the work of students registered in that school, but also the work of the relatively small number of students registered under the Faculties of Arts, Literature, and Science in the Departments of Comparative Religion, Oriental Languages, and New Testament.

The entries for the Medical School represent use of books belonging primarily to the clinical departments of the Medical School.

APPENDIX B

THE USE OF HARPER BY THE SOCIAL SCIENCE DEPARTMENTS

The following memorandum is prepared to indicate the use that might be made of the Harper Library if it should be made wholly available to the Social Science Departments for other than library and study purposes. It is based on the present needs of these Departments for administrative offices, classrooms, drafting rooms, student conference rooms, a Social Science exhibit, the collections of the Joint Committee on Surveys, and other matters referred to below. It appears from a careful examination of present needs that the Harper building is now entirely adequate for the Social Science Departments, and excepting only provision for classrooms for Junior College classes, will long continue to be adequate. If all undergraduate instruction in the Social Sciences is continued in Harper, it will eventually be difficult to provide adequate classrooms; if the Junior College instruction is carried on elsewhere, the Harper building would seem to be adequate for the use of the Social Science Departments for an indefinite period. This memorandum is drafted on the assumption that Junior College instruction is to be given elsewhere.

I. Administrative offices (6). Assuming that studies in the projected library will be assigned each member of the staff, there remains the necessity of departmental offices, one for each department, Philosophy, History, Sociology, Political Economy, Political Science, and Household Administration. Here will be held conferences with graduate and undergraduate students on sequences, registration, and other matters of administration, and here will be kept the files and records of the departments. These offices may also become the editorial offices of the Journal of Political

Economy and the American Journal of Sociology.

2. In connection with these offices should be a common stenographic and secretarial room large enough to provide accommodation for three or four stenographers. Space would be available on the same floor with the administrative offices.

3. Classrooms for graduate and undergraduate instruction (20). During 1922–23, 254 Senior College and Graduate courses were offered in four quarters, an average of sixty-four per quarter, or eleven per hour (six hour day). The greatest number offered in any one quarter was sixty-nine. Conference with the Social Science Departments indicates that it is necessary to plan now for about twenty classrooms to take care of the peak hours. These vary from small rooms seating twenty to large lecture rooms seating one hundred and fifty. Two should be equipped with projection lanterns.

The facts presented in this report revealing the interrelations of departments suggest that the Departments of Psychology and Geography and the School of Social Service Administration may eventually be recognized as members of the Social Science group.

4. Seminar rooms, equipped with movable chairs, tables, and some special equipment, as maps, etc. (3). During 1922-23, twenty-seven seminars were offered in four quarters, or an average of seven each quarter, or two each day. Provision should be made for three seminar rooms in Harper (allowing thus for special equipment where necessary), in addition to those in the projected library.

5. Workrooms (6): The Sociology Department, the statistical work of the Political Economy Department, and the co-operative research of the departments on the Research Fund especially require workrooms; in addition the Departments of History and Political Science experience constant need for working space equipped with tables. These needs are increasing rapidly in each case.

The Sociology Department now requires space for six large drafting tables (about 10 feet×4 feet), twenty small drafting tables (about 6×3), and two drafting tables for professional draftsmen. The statistical work of the Political Economy Department requires space for a considerable number of drafting desks. Workrooms for the general use of all departments should be provided in addition. A storeroom for maps is also desirable.

6. Lantern slide room (1). There should be a darkroom in which photographic reproduction and slide work can be done; and a photostat should be installed.

7. Student conference rooms (6). An increasing amount of time is given in the Social Science Departments to student co-operative investigation, in the course of which it becomes necessary for groups of four or five students to confer with each other and prepare reports. In other cases students form committees for preparation of material to present before model legislative bodies. For such purposes the Sociology Department now needs space for ten student conferences; the Political Science Department needs space for three student conferences; and other departments may develop needs along this line. It is not essential to have individual space for each conference, but not less than six rooms such as those found in the east tower should be devoted to this purpose.

8. Restrooms (2) and toilets. There should be two lounging rooms, one for women and one for men, one of which could be used for social occasions. Present toilet facilities are adequate.

9. General social room with facilities for preparing light refreshments, similar to those found in Classics, and on the second floor of Harper.

10. Storage space for the material gathered by the Joint Committee on Surveys and Studies, and the records of the Chicago Council of Social Agencies, for which the University has assumed responsibility; and office space for its administration.

* 11. The Society for Social Research. This society is now on a permanent foundation, has already collected certain property, and is engaged in building up a library, for which adequate provision should be made.

12. The headquarters of the National Social Science Research Council, composed at the present time of the American Historical Association, the

American Sociological Society, the American Economic Association, and the American Political Science Association have not yet been fixed, but if space is available are very likely to be at the University of Chicago. Two rooms should be set aside for their use.

13. Social Science exhibit. A social museum is desirable for the purpose of exhibiting illustrative material of various types. This would include maps, charts, models, diagrams, pictures, and collections of manuscripts and material not readily handled in a library. Examples of this are cityplanning exhibits, transportation exhibits, ethnological or anthropological exhibits, housing exhibits; any of which would require more space than the ordinary classroom affords. There should also be space for temporary exhibits of various kinds. Examples of significant exhibits in the City Club of Chicago from time to time have been: recreation exhibit, city-property exhibit, budget exhibit. Material for such purposes may be brought together temporarily from various sources, even though the bulk of the material is not in the possession of the University. The community-center exhibit, prepared by the United States government at considerable expense, and loaned to various cities, is an example of the sort of material that cannot be taken care of except in some large room. But this is only an illustration of the sort of thing that is developing in the Social Science group, and is certain in the immediate future to make demands for space, with a growing realization of the importance of this means of instruction.

The main reading-room of Harper is ideally constructed for exhibit purposes. With ample space, with a convenient administration room and additional space available for exhibit purposes in the two adjoining rooms, and storage space in the basement, and with the assurance that the architectural beauty of the room will not be impaired in the slightest, those who favor Plan I feel that a complete solution has been found for the use of the Harper building.

By way of summary the foregoing may be presented in the following list of present needs:

Selle needs.	
Administrative offices	6
Stenographers' Room	I
Classrooms	20
Seminars	3
Workrooms	6
Lantern Slide Room	I
Student Conference Rooms	6
Student Comercial Rooms	2
Lounging Rooms	T
Social Room	T
Society for Social Research	2
National Social Science Research Council	I
Social Science Exhibit	NE AVI
Office for same	I
Storage space for collections of Joint Commit	tee
on Surveys and Studies	

The distribution of these requirements in Harper is suggested tentatively as follows:

In the basement, now devoted to stack space:

- 1. The Collections of the Joint Committee on Surveys and Studies
- 2. Darkroom for a photostat
- 3. General storage space, including storage of material for Social Science exhibit not on display

First Floor:

- I. Nine classrooms, including EII
- 2. The President's Office, which can be converted into two classrooms
- 3. Office of the Dean of the Faculties, which can be converted into two classrooms

Second Floor:

- 1. Twelve classrooms, one reserved for statistics
- 2. Kitchenette
- 3. Women's restroom

Third Floor:

- 1. Social Science exhibit room
- 2. Office for same
- 3. Two classrooms if needed, or additional exhibit space (rooms now used for catalogues and for magazines)

Mezzanine:

- 1. Men's smoking-room and toilet (west)
- 2. Conference room (east)

Fourth Floor:

West

- 1. Seminar room
- 2. Two conference rooms

East

- I. Seminar room
- 2. Smoking-room and toilet for men
- 3. Conference room

Fifth Floor:

West

- 1. One seminar room
- 2. Two drafting rooms
- 3. Two conference rooms

East

- 1. Five departmental offices and editorial offices
- 2. Stenographer's room
- 3. Filing room

Sixth Floor:

West

1. Drafting rooms and workrooms

Fast

- 1. Society for Social Research
- 2. Toilet
- 3. National Social Science Research Council
- 4. One departmental office
- 5. Two rooms unassigned

APPENDIX C

THE INTERRELATION OF GRADUATE AND SENIOR COLLEGE WORK

The University now serves three types of students: graduates, Senior College students, and Junior College students. It cannot long continue to serve all three types of students on the present campus. The graduate work must remain on the present campus. One of two solutions is then possible: (1) that the work of the Senior Colleges remain upon the present campus, and the work of the Junior Colleges be moved elsewhere; or (2) that the work of both the Senior and the Junior Colleges be moved elsewhere.

We believe, in view of the considerations stated below, that the first of these alternatives is preferable.

Even at the present time the interrelationship between Senior College and graduate work is closer than the interrelationship between Senior College and Junior College work. That this is the case in the University of Chicago is strikingly shown by the following:

TABLE VIa

Table of Registrations in Arts, Literature, and Science, Summer, 1911, to Winter, 1923 (In terms of thousands)

STREET VALUE OF THE PERSON OF	The second		
they whether in extracollegilite periods of	By Graduate Students	By Senior College Students	By Junior College Students
In Graduate courses In Senior College courses. In Junior College courses.	37	51	25 108

From this table the four following inferences may be derived:

r. Graduate courses and Senior College courses are inseparable from the point of view of work of graduate students.

2. The bulk of the work of Senior College students is done in Senior College courses. The work of Senior College students extends, in amounts each less than a quarter of the total, into graduate courses and Junior College courses. The work of Senior College students would not in itself be fundamentally affected (1) by removal from the immediate locale of graduate courses, or (2) by removal from the immediate locale of Junior College courses.

3. The work of Junior College students is done almost wholly in Junior College courses, and would not be fundamentally affected by removal from the immediate locale of Senior College courses.

4. The association of graduate and Senior College work and the separation of Junior College work therefrom is, therefore, preferable to the association of Senior College and Junior College work and their separation from graduate work; since Senior College courses, in which the bulk of the work of Senior College students is done, are inseparable from graduate courses, whereas no such compelling interdependence exists between Senior College courses and Junior College courses.

That a natural break occurs at the end of the Junior College period is further indicated in many ways: by the fact that while many students leave college at the end of the first or second year of college work, those who return for the third year in general finish the fourth year also; by the fact that the educational and disciplinary problems of the first two years are, to a considerable degree, different in character or in acuteness from those of the last two years; by the fact that the instructing staff for the first two years is, as a whole, different from that of the last two years.

The naturalness of this break, foreseen by President Harper, is further evidenced by the increasing development of separate Junior Colleges in Illinois and elsewhere.

Furthermore, it is probable that the sharpness of the break will increase as the years go on.

It seems altogether probable that the co-ordination of elementary, secondary, and collegiate education, the elimination of educational waste, and the re-working of much material for presentation at an earlier age will eventually qualify the student at the age of nineteen or twenty years—that is, at the age at which students now finish Junior College work—to undertake the serious business of life, whether in extracollegiate activity or in preparation for a professional career.

The elimination from the Senior Colleges of work which can be presented at an earlier level will tend to raise the quality of the work of the Senior Colleges and to associate it more and more intimately with the work of the graduate schools.

The establishment of a line of division at this point, it may be noted, would bring American educational practice into conformity with European educational practice. The European practice, resting on centuries of experience, appears to be normal. The American practice, as represented by the traditional four-year college course, appears to be the result of the lack of adequate facilities for secondary education which until recently prevailed in our country.

APPENDIX D

NUMBER OF PROFESSORS IN THE HUMANISTIC DEPARTMENTS AND SCHOOLS

TABLE VII

Departments	No. of Full Professors, 1923-24	No. of Associate and Assistant Professors, 1923–24	Estimated No. of Full Professors, 1950-51	Estimated No. of Associate and Assistant Professors, 1050-51
Philosophy. Psychology Political Economy. Political Science. History. Sociology. Household Administration. Geography. Comp. Philology. Greek. Latin. Romance. German. English. General Literature. History of Art. Mathematics. Astronomy. Divinity School. School of Education. Law School. School of Commerce and Administration. School of Social Service Administration.	1 2 2 2 2 6 8 8 1 0 7 1 1 10 8 6	1 2 1 1 5 3 1 5 0 1 0 5 2 9 1 1 2 2 8 16 2 9 1	4 3 6 6 13 7 1 6 1 2 4 11 4 17 13 2 2 3 7 3 16 20 8	5 4 6 6 13 7 2 6 1 2 5 12 4 18 2 3 7 8 3 16 20 8

STATEMENT OF METHOD FOLLOWED IN THE PREPARATION OF TABLE VII

It is fully recognized by the Commission that an estimate of the number of professors in 1950–51 can at best be hardly better than careful guesswork. An estimate was needed, however, for the planning of the number of studies for members of the Faculty. The estimates given in the preceding table were prepared by the following method.

The estimates as to the growth of the student body, contained in Appendix E, which were reached by a procedure more nearly exact than any procedure possible in the present case, indicate that the student body will, in all probability, slightly more than double itself by 1950. It is true that increase in emphasis on research work would indicate a swifter increase in the number of professors than in the number of students; but it is true, on the

other hand, that in many cases professors can without inconvenience handle a somewhat larger number of students than at present. The present total of professors, associate professors, and assistant professors for each Department was, therefore, multiplied by 2. In the cases in which the present ratio of professors to students is lower than the average ratio, the resulting figure was slightly increased; in the cases in which the present ratio of professors to students is higher than the average ratio, the resulting figure was slightly reduced. (Departmental ratios were obtained by comparison of the figures in the first two columns of the present table with figures in Tables VIII and X in Appendix E.) These results were, however, modified in the cases of certain Departments and Schools in which special conditions were known to prevail. The figures thus obtained were, in each case, divided, exactly or approximately, by 2, on the supposition that one half the staff above the rank of instructor would hold the rank of professor, and one half the rank of associate or assistant professor, and the results placed in the last two columns of the table.

The results thus obtained are utilized by the Commission simply as a working basis in planning space for library studies. They represent a reasoned guess as to what the numbers are likely to be in 1950-51; they are not in any sense a statement of opinion as to what they ought to be either as regards totals or distribution.

APPENDIX E

NUMBER OF STUDENTS

TABLE VIII

TABLE OF ACTIVE GRADUATE STUDENTS AND REGISTRATIONS OF SENIOR COLLEGE AND JUNIOR COLLEGE STUDENTS IN THE DEPARTMENTS OF ARTS, LITERATURE, AND SCIENCE, 1911-23

OF	ARTS,	LILE	KAIU	KE, I						1	-			=
OF TA BE DE L		13	913-1	15	16	1916-	1917-	1918-	1919	192		22	192	
Philosophy S†A. SCA. JCA.	12 11 54 28	14 10 55 29	15 13 61 32	14 12 49 41	14 11 57 59	27 12 66 51		58	II	5 8	12 12 10 72	14 18 144 72	I	16 20 26 91
Psychology SSCAJCA	36	29 10 36 86	19 11 39 87	16 15 38 80	14 14 46 85	9 16 71 86	36	4 6	8 1 7 8 10	9 3 2 2 2	16 11 84 103	26 12 92 113	A BRANK	32 14 88 96
Political Economy S A SCA JCA	. 86	23 19 75 100	20 14 67 105	16 27 73 96		100	8	7 4	2 4		40 19 194 284	34 16 171 272	2	51 25 143 299
History S A SCA JCA	. 134	91 24 102 271	71 20 128 289	166	30	30	5 15	5 2 12	1 2 2 3 4		94 30 246 448	415		137 52 239 469
Political Science SASCAJCA	. 23	18 6 32 55	35 52	28	3 4	3 5	3 2	100	2 8	10 4 45 84	7 6 62 123	8	5	14 9 77 164
History of Art S A SCA JCA	6 3 8	1 22	I		2 5 I	2 3	0 1	3 4 59 4	0000	0 0 15 6	10		2000	0000
Sociology S A SCA JCA	107	93	111	2 2 6 9	I 2 2 1 I	3 5	8 3	76	95 48	26 23 64 77	48 17 17:	1 16	6	49 32 220 128
Household Adminis tration S	10	3 1	5	4 3 3 3 3	4 2 9 2	2 3 7 1	6 2 11 9	5 2 8 5	1 3 6 1	2 3 12 2	I	2 2 3 1	1 4 7 2	2 3 11 1
ogy S		3	3 0	6 1 1	6 1 3	13 2 1	I 2 0	6 1 1	3 2 0	5 1 2		7 I I	5 1 4	3 2

^{*}War years. †The significance of these letters is explained at the end of the table.

TABLE VIII—Continued

April 100 au	1911- 12	1912-	1913-	1914-	1915-	1916-	1917-	1918-	1919-	1920-	1921-	1922-
Greek		San B	TI	y a	BELAT							
S	10	20	6	9	5	2	6	3	10	9	10	8
SCA	II	9	5	10	5	7	5	4	6	6	4	6
JCA	15 34	17 37	20	15 33	18	18	II	13	15	13	18	14
Latin	34	31		33	20	32	23	12	22	25	17	33
S	36	52	46	36	35	44	30	34	26	28	47	26
ASCA	12	17 21	10	14	9	II	IO	8	8	7	8	II
JCA	31 75	56	39 45	65	23 67	39	20	3	17	10	25	22
Romance	13	3	TJ	03	01	49	39	21	44	45	35	59
S	25	32	27	32	30	50	65	88	92	108	IIO	IIO
SCA	13 75	15 84	12	16	21	12	18	17	18	19	22	30
JCA	302	272	280	236	70 230	94 234	330	118	177	158	162	168
German		15 18		-30	250	-34	330	394	442	251	247	24-
S	34	43	41	40	56	45	42	7	8	8	7	13
ASCA	15 79	96	2I 10I	22 88	17	20 87	II	4	4	5	4	6
JCA	241	312	300	260	95 215	210	48 97	45	30	52	37	48
English							91	45	111	134	10/	100
S A	119	126	114	130	121	118	97	90	137	138	146	160
SCA	42 116	4I I24	48 179	46 176	177	45 261	25	32	44	41	48	56
JCA	444	396	453	496	539	589	249 508	179 589	342 816	359 852	422 718	483
General Literature					003	0-3	3-0	209	010	032	710	004
S A	2	I	13	6	9	13	10	18	3	5	14	10
SCA	64	5 78	5 59	82	6 49	3	2	3	0	0	I	6
JCA	15	14	9	13	13	22	73	74	3	36 I	27 I	54
Mathematics									٥	76.		
S	77	71	75	59	86	71	50	35	44	72	105	116
SCA	38	32	23	26	28 38	31	12 45	59	30 68	66	35 65	28 63
JCA	100	102	94	102	124	140	130	201	203	188	171	173
Astronomy				0	10					Serry		
S	3 6	5 7	16	18	6	4	10	3	6	7 6	4	14
SCA	8	12	17	II	II	17	13	16	5 22	18	26	17
ICA	21	19	23	32	28	36	33	60	30	28	23	13
Physics S	25	0.7				8						0.
A	37	31	45	42	43	42	30	15	49	51	63	85 28
SCA	33	40	51	37	43	53	35	51	82	84	57	62
JCA Chemistry	73	77	81	77	84	112	77	135	155	167	131	140
S	60	81	68	76	TTC	707	96					8
A	28	26	36	37	43	43	86	57	73 58	56	62	74 75
SCA	66	75	89	74	120	126	104	148	208	224	172	146
JCA	151	151	172	177	211	209	208	297	286	265	240	249
	-		-	-	-	-					-	

TABLE VIII—Continued

WARREN LANGE TO	1911-	1912-	1913-	1914-	1915-	1916	191	3*	918-	20	1920-	1921-	1922-
Geology S A SCA JCA.	11 23 37 121	10 26 43 89		5 33 38 70	39	3	2	7 7 35 22	6 5 40 148	7 18 93 166	3 16 106 147		7 23 84 143
Geography SA. SCAJCA.	14 15 38 65	3 27	37	53	13	3	9	12 6 31 87	7 45 69	12 9 69 140	9 90 131	13	91
Zoölogy S A SCA JCA	35	32	2 43	3 3	3 4	1 4	5 0 -7 02	7 6 55 93	33 106	6 56 113	87	83 83	13 66 87
Anatomy S A SCA JCA Physiology	53	2 10	3 12	8 11	2 I 5 I4	1 13	6 3 30 36	12 6 135 31	5 8 137 14	13 129 11	16:	130	3 14 115 7
SCA. JCA. Physiological Chem-						100	15	12 4 73 20	72	7	1 9	3 9	68
istry S							14 48	15 7 89	59	5	2 7	5 3 6	8 14 7 11 7 41 0 0
Botany SASCAJCA	. 2	8 3	30 3	29	22 3	41 27 31 36	4I 26 24 39	40 10 27 23	2	1 3	4 I	5 1	8 63 9 24 6 48 6 39
Pathology SA. SCAJCA	1 (d)			in and in	7 3 18 1	5 5 20 2	6 6 31 3	3:	1 2	2 1 7 1	4 5 2 3	5 31 0	6 6 16 18 18 18 18 18 18 18 18 18 18 18 18 18
Hygiene and Bacteriology SASCAJCA		WW.		ex bi	4	11 38 3	16 10 35 15	3 1	8 6	8 3	72	76	10 13 10 14 52 40

on rilera, the Eccorder's Direct) was added the number (according to the same

STATEMENT OF THE METHOD FOLLOWED IN THE PREPARATION OF TABLE VIII

Each figure in the lines headed S indicates the number of active graduate students in the first term of the Summer Quarter of the year in question (the number of active graduate students being found by the method indicated below).

Each figure in the lines headed A indicates the average number of active graduate students in the Autumn, Winter, and Spring Quarters of the year in question.

Each figure in the lines headed SCA indicates the average number of total registrations by Senior College students in the Autumn, Winter, and Spring Quarters of the year in question.

Each figure in the lines headed JCA indicates the average number of total registrations by Junior College students in the Autumn, Winter, and Spring Quarters of the year in question.

Since the figures headed S and A indicate numbers of students and the figures headed SCA and JCA indicate numbers of registrations, the figures headed S and A should be multiplied by three if it should be desired to compare the amount of work done by graduate students in a given department with the amount of work done by Senior College students and Junior College students in that Department.

The figures do not include registrations by students registered in the professional schools, nor do they include figures for the active graduate students of the Department of Education. The Departments of Comparative Religion, Oriental Languages, and New Testament are practically departments of the Divinity School so far as library use is concerned, and the figures of these departments are therefore omitted. Figures for the Departments of Public Speaking, Military Science, and Physical Culture are also omitted.

The number of Senior College students and Junior College students registered in Summer Quarters is not given. It is in every case much less than the average number for the corresponding Autumn, Winter, and Spring Quarters.

The average figures for the year 1922-23 are based on returns for the Autumn and Winter Quarters only.

The number of active graduate students in a given department in a given quarter was ascertained in the following way. To the number of registrations by graduate students in the graduate courses of the Department in the quarter in question (according to the Quarterly Deans' Reports on file in the Recorder's Office) was added the number (according to the same records) of registrations by graduate students in the Senior College courses of the same Department (since graduate students taking Senior College courses, are, in almost all cases, allowed to count them for graduate credit),

and the total thus found was divided by three. The result thus obtained indicates (with a sufficient degree of accuracy for the purposes of the Library Commission) the number of active graduate students in the Department in the quarter in question: for the active graduate student normally takes three courses at a time. It might be thought that the resulting number would be slightly too small in view of the fact that a few advanced graduate students take less than the full normal complement of courses: but this element of error appears to be offset by the fact that a number of the registrations are by casual students, in reality hardly more than visitors who take an occasional course without reference to work for a degree. The accuracy of the results obtained by this process was checked by examining the list of individual graduate students in the Departments of History and of Romance for the Autumn Quarter, 1922, and studying the individual registrations of each student. The number of students shown by this study to be bona fide active graduate students was practically the same as the number obtained by dividing the total registration by three. In the case of History, the division of registrations by 3 gave 56 as a result, the other method 58. In the case of Romance, the division of registrations by 3 gave 32 as a result, the other method 34.

The phrase "average number of active graduate students in the Autumn, Winter, and Spring Quarters" means the number found, for the year in question, by adding together (a) the number of active graduate students in the Autumn Quarter, (b) the number of active graduate students in the Winter Quarter, and (c) the number of active graduate students in the Spring Quarter, and dividing the result by 3.

TABLE IX

TABLE OF GRADUATE STUDENTS AND REGISTRATIONS OF SENIOR COLLEGE STUDENTS IN ARTS, LITERATURE, AND SCIENCE EXPECTED IN 1950-51

Department	Active Graduate Students in Normal Quarter	Active Graduate Students in First Term of Summer Quarter	Registrations of Senior College Students in Normal Quarter	Registrations of Senior College Students in First Term of Summer Quarter
Philosophy	39	45	252	126
Psychology	39	60	180	90
Political Economy	60	96	354	177
Political Science	125	150	147	74
History	99	270	528	264
Sociology	69	120	402	201
Household Administration	15	20	36	18
Geography	40	60	177	89
Comparative Philology	6	18	3	2
Greek	12	20	48	24
Latin	20	75	75	38
Romance	54	186	351	176
German	12	30	150	75
English	138	393	792	396
General Literature	12	30	168	84
History of Art	30	75	225	113
A stronomy	78	234	135	68
Astronomy	36	36	51 162	81
Chemistry	160	147	AND THE PARTY OF T	195
Geology	75	344	390	90
Botany	60	117	105	53
Zoölogy	27	30	156	78
Anatomy	27	18	363	182
Physiology	34	44	240	125
Physiological Chemistry	30	40	17.4	87
Pathology	27	20	78	39
Hygiene	38	52	150	75

STATEMENT OF THE METHOD FOLLOWED IN THE PREPARATION OF TABLE IX

In estimating the number of active graduate students in the Graduate Schools of Arts, Literature, and Science expected in a normal quarter of 1950-51, the following method was adopted. The average total number of graduate students in the Graduate Schools of Arts, Literature, and Science for the normal quarters of each year from 1897-98 to 1922-23 was found

from figures furnished by the Recorder's Office to be as follows (the figures for the two war years, 1917–18 and 1918–19, being omitted):

1897-98	286	1910-11	423
1898-99		1911-12	445
1899-1900.		1912-13	444
1900-1901.	300	1913-14	466
1901-2		1914-15	557
1902-3	342	1915–16	572
1903-4		1916-17	
1904-5		1917-18}	War years
1905-6			
1906-7		1919-20	
1907-8		1920-21	
1908-9		1921-22	
1909-10		1922-23	680
THE RESERVE AND ADDRESS OF THE PARTY OF THE			

Upon the basis of these figures, preliminary predictions for 1950–51 were obtained by a method suggested by Professor J. A. Field and carried out under his direction by Mr. Pearce Shepherd. Equations fitting the figures given were found, by the method of "least squares," for a straight line, parabola, and logarithmic curve as follows:

Straight line: y=246.8894+14.1742xParabola: $y=293.41421+4.18566x+.37147x^2$ Logarithmic curve: $\log_{10} y=2.4392990+.01395049x$

These equations were then solved for 1950-51 (by substituting x=54), with the following results:

 Straight line
 1,012

 Parabola
 1,603

 Logarithmic curve
 1,558

Of these results the second appeared to the Commission, on the basis of the general prospects for the development of graduate work, to be the most probable. It was then found that the figure chosen, 1,603, was approximately 3 times the average (543) of the figures for the ten years 1911–23 (omitting the two war years). Preliminary predictions for each Department (except the Departments of Household Administration, Comparative Philology, Greek, Latin, German, General Literature, and the History of Art) were then made by ascertaining, from the figures in the lines of Table VIII of this Appendix headed A, the average number of active graduate students in the Department in question for the ten years 1911–23 (omitting the two war years), and multiplying that average by 3 (except that in the

cases of the Departments of Physiology, Physiological Chemistry, Pathology, and Hygiene and Bacteriology a slight modification of the process was made necessary by the fact that figures for those Departments were not available for the full ten years). These figures were then submitted for criticism to the Departments concerned, with a statement of the process by which they had been obtained. Most of the Departments accepted the predictions, but the Departments of Political Science, Astronomy, Chemistry, Geography, Physics, Physiological Chemistry, Pathology, and Hygiene and Bacteriology reported estimates higher than those prepared by the Commission. These estimates were examined by the Commission, and a final estimate was decided on which seemed reasonable in view of all the evidence available. In the case of the Department of Political Science this estimate was, for special reasons, quite unrelated to the ten-year average. In the case of the other Departments just named, this final estimate was about 4 times, instead of 3 times, the ten-year average. In the case of the Departments of Household Administration, Comparative Philology, Greek, Latin, German, General Literature, and the History of Art, the figures for the years 1911-23 were so small and irregular that the process followed for the other Departments did not seem to be appropriate. Each of these seven Departments was given a statement of the figures for the last ten years and asked to frame its own estimate for the year 1950-51. The estimates thus framed were considered by the Commission, and a figure was decided on which seemed reasonable in view of all the evidence available. The figures obtained by this method were entered in the first column of Table IX in the portion of the column devoted to the Departments.

In estimating the number of active graduate students in the Graduate Schools of Arts, Literature, and Science expected in the First Term of the Summer Quarter of 1950-51, an estimate for the Graduate Schools as a whole (omitting the Department of Education) was first found by the same statistical method described in the first paragraph of this statement. The basic figures were as follows:

1911786
1912900
1913833
1914871
19151025
19161025
1917 1918 \ War years
1918 } war years
1919890
19201005
19211163
19221241

These figures were found by taking the total number of registrations by graduate students in the Summer Quarter concerned, subtracting from each the total number of registrations by graduate students in the Department of Education (the numbers of registrations in all cases being supplied by the Recorder's Office), and dividing the result by 3. Mr. Shepherd's three equations for these figures, when solved for 1950, gave the following results:

Straight line	
Parabola	 2,637
Logarithmic curve	 3,267

Of these three results, the second appeared to the Commission, on the basis of the general prospects for the development of graduate work, to be the most probable. It was then found that the figure chosen, 2,637, was, roughly, 3 times the average (974) of the figures for the ten years 1911-23 (omitting the two war years). Estimates for each Department were then made by the Commission. In general these estimates were arrived at by multiplying the average for the ten years 1911-23 (omitting the two war years) by 3. In the case of the Departments of Astronomy, Chemistry, Geography, Physiology, Physiological Chemistry, Pathology, and Hygiene, the average was multiplied by 4, instead of by 3. In the case of the Department of Political Science the estimate of 150 was adopted for special reasons. In the case of the Departments of Household Administration, Comparative Philology, Greek, Latin, German, General Literature, and the History of Art, an estimate was framed by the Commission in view of the figures for the ten years 1911-23 (omitting the two war years), and the replies of the Departments in question to the inquiry as to probabilities for the number of students in a normal quarter of 1950-51.

In estimating the number of registrations of Senior College students expected in a normal quarter of 1950-51, an estimate of the attendance in the Senior Colleges as a whole was first found by the same statistical method described in the first paragraph of this statement. The basic figures were as follows:

1896-97	.159	1910-11	455
1897-98		1911-12	
1898-99		1912-13	
1899-1900		1913-14	622
1900-1901		1914-15	593
1901-2		1915-16	654
1902-3		1916-17	779
1903-4	,	1917-18	War years
1904-5		1918-195	war years
1905-6		1919-20	956
1906-7		1920-21	1069
1907-8	-	1921-22	
1908-9		1922-23	1077
1909-10			
-9-9			

Mr. Shepherd's three equations for these figures, when solved for 1950, gave the following results:

Straight line	1,980
Parabola	2,924
Logarithmic curve	7,021

Of these three results the Commission, on the basis of general prospects for the development of the University, regarded the first as somewhat too low and the second as somewhat too high. The average for the ten years 1911-23 (omitting the two war years) was 791. The figure 2,373, obtained by multiplying this average by 3, and about halfway between the results of the straight line and parabola equations, appeared to be a reasonable estimate and was adopted by the Commission. Estimates for each Department were then made by the Commission. In general the estimate was arrived at by multiplying the average for the ten years 1911-23 (omitting the two war years) by 3; but in the cases of the Departments of German and of the History of Art other estimates were made for special reasons.

In estimating the number of Senior College students in the Colleges of Arts, Literature, and Science in the first term of the Summer Quarter of 1950 the following method was adopted. The attendance of Senior College students in the first term of the Summer Quarter for the years 1911-23 (omitting the two war years) was as follows:

1911203	1917 \ War war
1912232	1917 War years
1913270	1919396
1914297	1920521
1915330	1921582
1916427	1922598

The average of these ten figures is 386. The corresponding average for the Autumn, Winter, and Spring Quarters, as has been stated, was 791. We have, therefore, assumed that the registrations of Senior College students in the first term of the summer quarter of 1950 would be one-half the registrations for a normal quarter; and the figures in the fourth column of the table are therefore one-half those in the third column.

TABLE X

TABLE OF ATTENDANCE IN THE PROFESSIONAL SCHOOLS

discussion registered	1911-	1912-	1913-	1914-	1915-	1916-	1917-	1918-	1919-	1920-	1921-	1922-
Divinity School AS	131	121	137		139		112			00		
Education GA	19 223	266	287	282	381	402	326	231	247	225	266	
GS US Law A	66	133		211	852	1180		770	985	293	301	322
School of Commerce and Administra-		100	And	K.G.	T COLUMN			chett	183	166	192	197
tion GA UA GS		Tol I		161		202		281			527	525
US		74	1 150	5 17:	2 188	3 200	224	40	50	6 61	146	133
tion GA UA								SOLES SOLES	10.	. 10		34
GS US			: :::			: :::		10.00	900	i li	2	

^{*} War years.

The letter A, used singly or in the combinations GA and UA, indicates the average number of students in the Autumn, Winter, and Spring Quarters of the year in question.

The letter S, used singly or in the combinations GS and US, indicates the number of students in the first term of the Summer Quarter of the year in question.

The letter G represents a number of graduate students.

The letter U represents a number of undergraduate students.

In the entries for the Divinity School, the figures represent the numbers of students registered in that school plus the (relatively small) numbers of students registered under the Faculties of Arts, Literature, and Science in the Departments of Comparative Religion, Oriental Languages, and New Testament.

In the entries for Education, the figures in the lines headed GS and GA represent graduate students registered under the Faculties of Arts, Literature, and Science in the Department of Education. The figures in the lines headed US and UA represent the numbers of undergraduate students

in the College of Education plus the (relatively small) numbers of students registered in the Senior Colleges and Junior Colleges of Arts, Literature, and Science in the Department of Education.

Numbers of students in the Divinity School and in Education registered under the Faculties of Arts, Literature, and Science are found by dividing by three the total registrations by such students in the Department concerned.

In the entries for the Law School the figures represent the total attendance, including Seniors working exclusively in the Law School.

Figures for the spaces left blank for the Divinity and Law Schools and for Education are not readily available. Figures for the Schools of Commerce and Administration and Social Service Administration are complete.

TABLE XI

Table of Students in the Professional Schools Expected in 1950-51

and the last the last tree to the last	In Normal Quarter	In First Term of Summer Quarter
Divinity School	320	400
Graduates	180	1000
Undergraduates	400	1000
School of Commerce and Administration	500	360
Graduates	150	150
UndergraduatesSchool of Social Service Administration	600	250
Graduates	50	40
Undergraduates	100	75
Medical School	250	250

STATEMENT OF THE METHOD FOLLOWED IN THE PREPARATION OF TABLE XI

A. THE DIVINITY SCHOOL

In a normal quarter.—The figures given in line A of the section for the Divinity School in Table X were reported to the Divinity School and an estimate asked for 1950–51. The School estimated 200 as the number of its own students plus 150 for students in the affiliated Schools. The Commission adopted the figure 320.

In the Summer Quarter.—Examination of the figures given in the section for the Divinity School in Table X indicates that the number of students in the Divinity School in a Summer Quarter averages about five-fourths the number in a corresponding normal quarter. The Commission, therefore, adopted in this case the figure 400.

B. THE SCHOOL OF EDUCATION

In a normal quarter.—(a) Graduate students: As the graduate work of the School of Education is done in the Graduate Schools of Arts, Literature, and Science, the method followed in this case was exactly that followed for the Departments in general as described above in the note to Table IX. The Commission's preliminary estimate was 129. The School's estimate was 180–225. The Commission adopted the figure 180—which is about 4 times, instead of 3 times, the average for the last ten years. (b) Undergraduate students: The figures given in line UA were reported to the School of Education and an estimate asked for 1950–51. The School reported its hope to limit the number of registrants to 400. The Commission adopted this figure.

In a Summer Quarter.—(a) Graduate students: The figures given in line GS were reported to the School of Education and an estimate asked for 1950–51. The School reported an increase of 30 per cent in the summer of 1923 over the summer of 1922, and estimated that in 1950–51 the number would be "twice what it is at the present time, and possibly more." The Commission adopted the figure 1,000. (b) Undergraduate students. The figures given in line US were reported to the School and an estimate asked for 1950–51. The School reported its hope to limit the number of registrants to 1,000. The Commission adopted this figure.

C. THE LAW SCHOOL

In a normal quarter.—The figures given in line A of the section for the Law School in Table X were reported to the Law School and an estimate asked for 1950-51. The School estimated the Autumn Quarter attendance for 1950 at from 600 to 800, but stated that a limitation of attendance to 500 was not improbable. The Commission adopted the figure 500.

In the Summer Quarter.—Examination of the figures given in the section for the Law School in Table X indicates that the number of students in a Summer Quarter averages about three-fifths of the number in a normal quarter. The Commission adopted the figure 360 (as being three-fifths of the estimate 600, reported above).

D. THE SCHOOL OF COMMERCE AND ADMINISTRATION

In a normal quarter.—(a) Graduate students: The figures given in line GA of the section for the School of Commerce and Administration in Table X were reported to the School and an estimate asked for 1950–51. The School's estimate was 300. The Commission adopted the figure 150. (b) Undergraduate students: The figures from line UA were similarly reported. The School's estimate was 600. The Commission adopted this figure.

In a Summer Quarter.—(a) Graduate students: There being no sufficient evidence to indicate variation between the number of graduate students

in the Summer Quarter and in a normal quarter, the Commission adopted for the summer the same figure, 150, adopted for the normal quarters. (b) Undergraduate students: In recent years the number of undergraduates in the School of Commerce and Administration in the summer has been much less than in normal quarters. The Commission adopted the figure 250.

E. THE SCHOOL OF SOCIAL SERVICE ADMINISTRATION

In a normal quarter.—(a) Graduate students: The figures given in line GA of the section for this School were reported to the School, and an estimate asked for 1950–51. The School's estimate was 75 to 100. The Commission adopted the figure 50. (b) Undergraduate students: The figures from line UA were similarly reported. The School's estimate was 100. The Commission adopted this figure.

In a Summer Quarter.—(a) Graduate students: Since the figures for the Summer Quarter run somewhat less than in other quarters, the Commission adopted the figure 40. (b) Undergraduate students: For the same reason the Commission adopted the figure 75.

F. THE MEDICAL SCHOOL

On the understanding that each class in the Medical School is to be limited to fifty and that the course is to be a four-year course, and in view of the probability that a considerable number of postgraduates will work in the School, the Commission estimated the number of medical students at 250. There appears to be no reason for believing that the number of students in the Summer Quarter will differ from the number of students in a normal quarter

APPENDIX F

NUMBER OF BOOKS

Tables XII-XV show th number of books in the University libraries in May, 1923. The entries in the columns headed "Library of Congress Classification" represent the Library of Congress classifications proper to the several subjects concerned. The books in Harper (except for the special collections in the field of history) are catalogued according to the Library of Congress plan. Many of the books elsewhere are not yet so catalogued. The entries in Table XII in the column headed "Number of Volumes Elsewhere" include many volumes, actually located in the departmental library in question, which fall, or will fall when catalogued according to the Library of Congress plan, into Library of Congress classes other than that proper to the department concerned.

Figures for numbers of volumes (except in the case of the manuscripts in the Manuscript Room in Table XIII) represent not necessarily the actual number of volumes, but the ideal number of volumes for the space actually occupied, figured at eight volumes per linear foot—the generally accepted library rate.

The figures in the column headed "Shelf Frontage Occupied" represent linear feet.

The numbers of volumes and of feet are in every case reduced to the nearest multiple of 100.

TABLE XII

Volumes in Classes Corresponding to the Departments and Schools of the University

con / oby trail	Library of Congress Classification	No. of Vols. in Harper ^a	No. of Vols. Elsewhere	Total	Shelf Frontage Occupied
Philosophy Psychology Political Economy Political Science History	BF H-HJ J-JX	51,000 51,500 ^b		9,100 2,500 51,000 51,500 66,200	6,400 6,400

a. The term "Harper" as here used includes, for convenience, the reading-room of the Social Science group, which is actually in the Law Building.

b. This entry includes the few law books which are in Harper.

c. Including four special collections: Lane Collection, 3,100 volumes; Eckels Collection, 500 volumes; Hodge Collection, 100 volumes; Durrett Collection (MSS), 400 volumes.

TABLE XII-Continued

F BONDERS	Library of Congress Classification	No. of Vols. in Harper	No. of Vols. Elsewhere	Total	Shelf Frontage Occupied
History of Art	N-NK		Cl 8,300 Cl B 1,200d	9,500	1,200
Sociology Household Adm	GN-GV, HM-HX	14,400	Cl B 5,000°	19,400	2,400
Comp. Philology	P, PM		Cl 4,000	4,000	1000
Greek	PA 1-2000,	110000	Cl B 300f	13,700	
Latin	PA 2001-3000,		Cl 15,000	15,300	2,000
word was below	6001-	M side	Cl B 300f		******
Romance	PB 1-500g, PC, PQ	15,100		15,100	1,900
German	PB 1-500 PD	eliter and	mean allocated	f letons	departs
GCIIII ali	$\frac{2}{3}$, $\frac{2}{2}$,	10,200		10,200	1,300
St. of the latest and	PF, PT	TO PROPERTY.	adt of valour		t made
English	PB 1-500	21,000		21,000	2,600
Tonthe and wire ran	B 1001-,	STATE AND	To Form in To	manual d	Lands mi
	DD	Service land	Single and save	olov in	radionin
	$\frac{PD}{2}$, PE, PR, PS		for their to be	arma I	a la company
General Lit	PN	5,000		5,000	
Mathematics	QA	OF HERE	Ry 3,900	3,900	
Astronomy ^{h} Physics	QB QC		Ry 2,800 Ry 6,500	2,800	
Chemistry	ÕD		K 7,200	7,200	NOT THE RESIDENCE
Geology	QE .	2,600	Ro 30,000	32,600	
Geography	G-GF	1,600	Ro 15,000	16,600	and the same
Biology, general	QH	2,800	Z 22,000 Cl B 2,400i	27,200	3,400
Zoölogy	OL	2,100	Z 1,500	3,600	500
Anatomy	QM	100	Z 1,500	1,600	
Physiology	QP	400	Z 1,000	1,400	200
Phys. Chemistry and Pharmacol-		-			Marie S
ogy	RS	700	Z 1,000	1,700	200
Botany	QK	1,300	Z 2,500	3,800	
Pathology	RB	200	Z 3,000	3,200	400
-				1	1

d. The Arts and Crafts Collection classified on the decimal system in Classics basement.

e. Including two collections in Classics basement: Howard Library, 1,000 volumes; Civics and Philanthropy Collection, 8,000 pamphlets. This latter collection requires about 500 feet of shelf frontage.

f. Remnants of Hirsch-Bernays Collection.

g. That is, one-third of the classification PB 1-500.

h. Not including the books in the Yerkes Observatory Library, for which see Table XIV.

i. A special collection of biology theses in Classics basement. This collection requires about 300 feet of shelf frontage.

TABLE XII—Continued

	111000	THE REAL PROPERTY.			
Tables X.) The Convenience	Library of Congress Classification	No. of Vols. in Harper	No. of Vols. Elsewhere		Shelf Frontage Occupied
Hygiene and Bacteriology Divinity School Law School Medical School! School of Education School of Commerce and Administration (reading room) ^m School of Social Service Administration (reading room) ⁿ . Total department	L-LT	100 18,800 9,300 25,000 3,000	Z 2,500 Rick 4,800j Has 23,600 Cl B 17,900k Law 48,000 Cl B 1,500	7,400 60,300 48,000 10,800 62,000	400
al books in Har- per		. 303,500	Manual links		Park
Total department al books else where	- Commedia		. 294,700	e lines	distribution of
Total department al books		30000		. 598,20	n land
Total shelf-front age	t-		VIATO NATIONAL NATION		. 69,800

j. The Flügge Collection of 13,000 reprints of articles dealing with Hygiene and Bacteriology. This collection requires about 100 feet of shelf frontage.

k. Including three collections in Classics basement: Books in decimal classification, 6,400 volumes; Remnants of Hirsch-Bernays Collection, 500 volumes; Hammond Library, 11,000 volumes.

1. Certain departments listed above will presumably become departments of the Medical School. The volumes in Classics basement are those of the Billings Library, still boxed.

m. The volumes in the Commerce and Administration reading-room are chiefly of the class HF. They are not counted in the number assigned above to Political Economy.

n. The volumes in the reading-room of the School of Social Service Administration are chiefly of the class HV. They are not counted in the number assigned above to Sociology.

83

TABLE XIII

OTHER VOLUMES IN HARPER

nr di veniser de la compania del la compania de la compania del la compania de la compania de la compania de la compania de la compania del compania del compania de la compania de la compania de la com	Library of Congress Classification	No. of Vols.	Shelf Frontage Occupied
General works Music Fiction and juvenile literature. Science, general Agriculture. Technology. Military Science Naval Science Bibliography. Rare books. Manuscripts in Manuscript Room. Totals.	Z	36,500 1,300 100 6,000 12,600 11,100 2,500 1,300 9,300 2,000 100 82,800	4,600 200 negligible 700 1,600 1,400 300 200 1,200 300 100*

^{*} These manuscripts, since they are displayed, require as much space as 800 ordinary volumes.

TABLE XIV

OTHER VOLUMES NOT IN HARPER

007,100	Library of Congress Classification	No. of Vols.	Shelf Frontage Occupied
Music books in Classics. Sheet music in Classics basement* Unclassified books in Classics basement Rental Bureau, in Classics Hitchcock Hall Library. Rush Medical Library. Yerkes Observatory Library. Totals.	Miscellaneous Miscellaneous Q-RZ QB	1,200 800 22,400 12,000 2,500 30,000 5,500	200 100 2,800 1,500 300 3,800 700

^{*}The Huber Collection, containing 20,000 pieces, occupying about as much space as 800 volumes.

TABLE XV

SUMMARY

a moor vinibles addentifiques has	No. of Vols.	Shelf Frontage Occupied
Totals from Table XII	598,200 82,800 74,400	69,800 10,600 9,400
Totals for the University	755,400	89,800

GENERAL NOTE SUPPLEMENTARY TO TABLES XII-XV

Tables XII—XV indicate 755,400 as the total number of volumes in the University Libraries. This estimate represents not an actual count, but the ideal number of volumes for the space actually occupied figured at eight volumes per linear foot—the generally accepted library rate.

From examination of the Annual Reports of the Director of the University Libraries, the following facts appear: (1) The total number of catalogued bound volumes in the University Libraries on June 30, 1922, was 646,798; (2) the number of catalogued bound volumes added per year in the last twelve years is about 27,000; (3) the number of uncatalogued bound volumes in the University Libraries on June 30, 1921, was "more than 85,000." Adding these three figures together (and supposing the "more than" to be canceled by the gradual process of cataloguing the uncatalogued volumes) we have 758,798 as the approximate number of bound volumes now in the libraries.

This means that in the University of Chicago Libraries the total actual number of bound volumes is approximately equal to the ideal number of volumes for the space actually occupied at the rate of eight volumes per linear foor. (The rate of eight volumes per linear foot is ordinarily supposed to account for both bound volumes and pamphlets. The bulk of the pamphlets belonging to the University, estimated as numbering 200,000+ on June 30, 1921, is then actually so small as to be offset by an apparent failure of the bound volumes in our library to reach quite the average library size.)

TABLE XVI

Table of Book Purchase Costs, 1911-20 (Figures represent dollars)

Divinity School	MARKET THE TOUR KI
Education.	
Education.	Divinity School
Law. 3,652 3,937 3,881 4,611 4,133 4,424 2,846 2,616 2,52 Commerce and Administration. 110 349 544 597 1,107 1,794 1,285 1,084 1,32 Philosophy. 301 286 373 346 260 174 307 311 18 Psychology. 244 297 211 252 258 191 202 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292 292	Education
Commerce and Administration	Law
tration	Commerce and Adminis-
Philosophy 301 286 373 346 260 174 307 311 18	tration
Psychology 244 297 211 252 258 101 202 292 27 Political Economy 711 810 923 978 454 673 571 643 1,02 Political Science 733 538 341 468 640 415 309 238 66 History 2,647 1,983 2,009 2,012 1,901 2,320 2,640 2,756 662 684 4,43 Sociology 890 744 1,017 734 477 576 662 684 72 Comparative Philology 467 468 523 246 197 158 132 213 36 Greek 534 496 628 293 182 129 75 168 26 Latin 829 740 560 369 127 11 86 123 23 Romance 688 1,000 97	to a unintalogued bound
Psychology 244 297 211 252 258 191 202 292 21 Political Economy 711 810 923 978 454 673 571 643 1,02 Political Science 733 538 341 468 640 475 309 238 66 History 2,647 1,983 2,002 2,012 1,901 2,320 2,640 2,756 642 684 4,43 Sociology 890 744 1,017 734 477 576 662 684 4,43 Geography 211 248 380 332 312 305 253 217 23 Comparative Philology 467 468 523 246 197 158 132 213 30 30 Greek 534 496 628 293 182 129 75 168 22 32 30 129 7	
Political Economy. 711 810 923 978 454 673 571 643 1,02 Political Science. 733 538 341 468 640 415 309 238 66 History. 2,647 1,983 2,009 2,012 1,901 2,320 2,640 2,756 44,43 Sociology. 890 744 1,017 734 477 576 662 684 72 Geography. 211 248 380 332 312 305 253 217 23 Comparative Philology. 467 468 523 246 197 158 132 213 36 Greek. 534 496 628 293 182 129 75 168 26 Latin. 829 740 569 369 127 11 86 123 23 Romance. 688 1,000 976 551	Psychology
Political Science. 733 538 341 468 640 415 309 238 662	Political Economy
History 2,647 1,983 2,009 2,012 1,901 2,320 2,640 2,756 64,43 Sociology 890 744 1,017 734 477 576 662 684 72 Geography 211 248 380 332 312 305 253 217 23 Comparative Philology 467 468 523 246 197 158 132 213 36 Greek 534 496 628 293 182 129 75 168 20 Latin 829 740 569 369 127 11 86 123 23 Romance 688 1,000 976 551 442 1,105 882 521 1,14 German 357 335 389 524 391 176 249 296 27 English 964 647 1,118 864 1,132 860 1,223 1,895 2,66 American Literature* 527 236 444 339 626 344 216 1,113 895 2,66 History of Art 268 227 236 408 212 375 380 174 92 Mathematics 415 484 514 306 213 154 131 190 11 Astronomy 166 112 262 66 78 63 45 67 2 Physics 390 274 376 264 345 154 290 275 26	Political Science
Sociology 890 Geography 744 I,017 248 380 734 477 334 477 305 662 684 72 305 662 684 72 305 253 217 23 Comparative Philology 467 468 523 246 197 158 132 213 305 253 217 23 Greek 534 496 628 293 182 129 75 168 20 Latin 829 740 569 369 127 11 86 123 25 Romance 688 1,000 976 551 442 1,105 882 521 1,14 German 357 335 389 524 391 176 249 296 27 English 964 647 1,118 864 1,132 860 1,223 1,895 2,66 American Literature* 206 2,276 2,825 2,66 General Lit.† 52 5 444 339 626 344 216 1,113 57 History of Art 268 227 236 408 212 375 380 174 92 Mathematics 415 484 514 306 213 154 131 190 13 Astronomy 166 112 262 66 78 63 45 67 28 Physics 390 274 376 264 345 154 290 275 26	History
Geography. 211 248 380 332 312 305 253 217 23 Comparative Philology. 467 468 523 246 197 158 132 213 33 Greek. 534 496 628 293 182 129 75 168 220 Latin. 829 740 569 369 127 11 86 123 220 Romance. 688 1,000 976 551 442 1,105 882 521 1,12 German. 357 335 389 524 391 176 249 296 27 English. 964 647 1,118 864 1,132 860 1,223 1,895 2,66 American Literature* 2,060 2,276 2,276 2,276 General Lit.† 52 5 444 339 626 344 216 1,113 592 Mathematics. 415 484 514 306 213 375 380 174 Mathematics. 415 484 514 306 213 154 131 190 11 Astronomy. 166 112 262 66 78 63 45 67 20 Physics. 390 274 376 264 345 154 290 275 26	Sociology
Comparative Philology. 467 468 523 246 197 158 132 213 36 Greek. 534 496 628 293 182 129 75 168 20	Geography
Greek 534 496 628 293 182 120 75 168 20 Latin 829 740 569 369 127 11 86 123 25 Romance 688 1,000 976 551 442 1,105 882 521 1,14 German 357 335 389 524 391 176 249 296 27 English 964 647 1,118 864 1,132 860 1,223 1,895 2,66 American Literature* 1,223 1,895 2,66 2,760 2,276 2,825 2,96 2,76 2,825 2,96 2,76 2,825 2,96 2,76 2,825 2,96 2,76 2,825 2,96 2,76 2,825 2,96 2,76 2,825 2,96 2,76 2,825 2,96 2,76 2,825 2,96 2,76 2,825 2,96 2,76 2,825 2,96	Learning Labor with a laborated labo
Greak	Comparative Philology
Latin. 829 740 569 369 127 11 86 123 25 Romance. 688 1,000 976 551 442 1,105 882 521 1,14 German. 357 335 389 524 391 176 249 296 27 English. 964 647 1,118 864 1,132 860 1,223 1,895 2,66 American Literature* 2,060 2,276 2,825 2,96 General Lit.† 52 5 444 339 626 344 216 1,113 57 History of Art 268 227 236 408 212 375 380 174 92 Mathematics 415 484 514 306 213 154 131 100 13 Astronomy 166 112 262 66 78 63 45 67 28 Physics 390 274 376 264 345 154 290 275 26	
Romance. 688 1,000 976 551 442 1,105 882 521 1,12 German. 357 335 389 524 391 176 249 296 27 English. 964 647 1,118 864 1,132 860 1,223 1,895 2,66 American Literature* 2,060 2,276 2,825 2,92 General Lit.† 52 5 444 339 626 344 216 1,113 36 History of Art 268 227 236 408 212 375 380 174 92 Mathematics 415 484 514 306 213 154 131 190 11 Astronomy 166 112 262 66 78 63 45 67 20 Physics 390 274 376 264 345 154 290 275 26	Latin
German. 357 335 389 524 391 176 249 296 27 English. 964 647 1,118 864 1,132 860 1,223 1,895 2,66 American Literature*. 208 227 236 444 339 626 344 216 1,113 57 History of Art. 268 227 236 408 212 375 380 174 92 Mathematics. 415 484 514 306 213 154 131 190 11 Astronomy. 166 112 262 66 78 63 45 67 3 Physics. 390 274 376 264 345 154 290 275 26	Romance
English	
American Literature*.	English
General Lit.† 52 5 444 339 626 344 216 1,113 57 History of Art. 268 227 236 408 212 375 380 174 92 Mathematics. 415 484 514 306 213 154 131 190 11 Astronomy. 166 112 262 66 78 63 45 67 3 Physics. 390 274 376 264 345 154 290 275 26	American Literature*
Mathematics 415 484 514 306 213 375 380 174 94 Astronomy 166 112 262 66 78 63 45 67 3 Physics 390 274 376 264 345 154 290 275 26	
Mathematics	History of Art
Astronomy 166 112 262 66 78 63 45 67 8 Physics 390 274 376 264 345 154 290 275 26	Mathematica
Physics	
	Chomister
Chemistry	
Geology 495 632 618 455 521 301 241 518 29	Geology
Botany 410 330 537 397 485 390 344 528 18	Botany
7 50 00 00 00 00 00 00 00 00 00 00 00 00	
700 700 700 700 700	
Disconsistance	
Di i i i i Ci i i	Physiological Chemistry
Detheless	
Thereign and Dactorial and	
Hygiene and Bacteriology 230 195 281 173 176 148 123 242 12	and Buche and Bucheriology
General Library 2,683 5,489 2,234 2,640 1,502 1,906 2,460 3,521 2,57	General Library
Hitchcock	Hitchcock
Yerkes	Yerkes
0-7 -1 1-0 33- 124 300 22	

^{*} Purchases on the William Vaughn Moody fund.

STATEMENT OF THE METHOD FOLLOWED IN THE PREPARATION OF TABLE XVI

The preceding table is based upon a detailed statement prepared by Miss Nichols and upon a letter of Mr. Hanson to the Vice-Chairman dated June 7, 1923. These documents, and a detailed statement of the method followed in preparing the present table, are filed with the Vice-Chairman's copy of the Report.

The table includes the cost of periodicals. It does not include the cost of binding.

The figures for the years 1913–14 through 1918–19 are, in most cases, exact; in a few cases, approximation has been necessary, since the library accounts do not precisely correspond to the departmental organization. For the years 1911–13 and 1919–20 approximation has been necessary throughout, but the approximation may be regarded as very close indeed. Figures for corresponding entries for 1920–21 and 1921–22 are not available, as the Library in 1920 ceased keeping a record of purchase costs by Departments.

The School of Social Service Administration and the Department of Household Administration do not appear in the table. Purchase of books by the School of Social Service Administration began only in 1920–21. The library accounts show no entries for the Department of Household Administration (which utilizes books of other Departments).

GENERAL NOTE SUPPLEMENTARY TO TABLE XVI

It appears from the Annual Reports of the Director of the University Libraries that the total number of catalogued bound volumes added in the period 1911–20 was 249,433; and from the statement of purchase costs prepared for the Commission and utilized as a basis for Table XVI, that the total purchase costs for the period 1911–20 were \$234,751.59.

This means, roughly speaking, that for each dollar spent in purchase a volume is added to the library. (The actual purchase cost per book of books actually purchased is, of course, considerably more than \$1.00: the figures for the total numbers of bound volumes added year by year cover volumes added by exchange or by gift, as well as volumes added by purchase. It may be noted also that the cost of binding is not here under consideration.)

This being the case, it follows that Table XVI may also be used as an approximately correct Table of Additions of Volumes according to Departments for the same period, the figures being understood to represent volumes instead of dollars. The only change necessary is that about five-eighths of the amount assigned on the basis of purchase cost to Commerce and Administration should, on the basis of volumes added, be assigned to Political Economy. (The purchase costs were charged to the Departments from which the orders originated: books are classified according to their

[†] All entries for General Literature, except those for the first two years, \$1.00 in the third year, and \$10.00 in the fourth year, represent purchase of Celtic books.

TABLE XVII

TABLE OF ESTIMATES OF STACK SPACE REQUIRED IN 1950-51

Selection of the select	A Present No. of Vols.	B First Estimated Average No. of Vols. to Be Added per Year in the Period 1923-50	C Revised Estimated Average No. of Vols.* to Be Added per Year in the Period 1923–50	D Estimated No. of Vols. in 1950-51	Estimated Shelf Frontage Required in 1950-51 (Figures Represent Linear Feet)	F Estimated Cubic Stack Space Required in 1950-51 (Figures Represent Cubic Feet)
Divinity School	60,300	1,490	2,235	120,645	22,621	72,387
Education	62,000	2,360	3,540	157,580		94,548
Law School	48,000	2,000	3,000	129,000	24,188	77,400
Commerce and Adminis-		in here			1	-6
trationa	10,000	1,250	1,875	60,625	11,367	36,375
Social Service Adminis-		388	000	OT NO	2 667	11,715
tration ^b	1,300	450	675	19,525	3,661	11,715
0.8.0 0.000 1085.0		282	100	20,521	3,848	12,313
Philosophy	9,100		423	16,000	1 0, .	9,600
Psychology	2,500	333	1,800	92,600		55,560
Political Economya	44,000	1,500	2,250	112,250	1	67,350
Political Science	66,200	3,500	5,250	207,950	1 0	124,770
History Sociology ^b	18,700	726	1,089	48,103	9,019	28,862
Geography	16,600	350	525	30,775	5,770	18,465
Geography	et lets	081	5 600	101	- Mond	General
Comparative Philology.	4,000	300	450	16,150		9,690
Greek	13,700	300	450	25,850	The state of the s	15,510
Latin	15,300	346	519	29,313		17,588
Romance	15,100	812	1,218	47,980		14,188
German	10,200	332	498	183,000		100,800
English	21,000	4,000	6,000	21,68		13,012
General Literature	5,000	412	900	33,800	1 2 0	1
History of Art	9,500	000	900	30,00	,,,,	HILL WORK

a. The main library stocks of the School of Commerce and Administration and the Department of Political Economy fall almost entirely within the same Library of Congress classes (H-HJ) and are shelved together. In Table XII, this entire stock, totaling 51,000 volumes, is credited to Political Economy. In the present table, 7,000 of these 51,000 volumes are credited to Commerce and Administration, and the rest to Political Economy. To the 7,000 volumes just mentioned are added the 3,000 kept in the special reading-room of the School of Commerce and Administration.

b. The main library stocks of the School of Social Service Administration and the Department of Sociology fall almost entirely within the same Library of Congress classes (GN-GV, and HM-HX) and are shelved together. In Table XII, this entire stock, totaling 19,400 volumes, is credited to Sociology. In the present table, 700 of these 19,400 are credited to the School of Social Service Administration, and the rest to Sociology. To the 700 volumes just mentioned are added the 600 kept in the special reading-room of the School of Social Service Administration.

content, not according to the Departments from which the orders originate. It therefore happens frequently that a book may be shelved elsewhere than among the books of the Department from which the order originates. In general the instances of such cross-shelvings will cancel each other; but in the case of Commerce and Administration they will not, since the only books differentiated as Commerce and Administration books are the 3,000 volumes in the Commerce and Administration reading-room, the other books utilized by Commerce and Administration being chiefly those classified as in the field of Political Economy.)

The table would gain in exactness by the combination of the figures for closely allied departments. For instance, the sums of the figures for Botany, Zoölogy, Anatomy, Physiology, Physiological Chemistry, Pathology, and Hygiene would be more nearly exact than the figures for any one of these Departments are likely to be. But for present purposes, the figures as given are sufficiently exact, and it seems preferable to defer the combination of results to a later stage in our planning. (It may seem strange that no better method of constructing a table of additions of volumes according to Departments has been found; but the records of the Library do not appear to afford data for any better method. Prior to 1920-21 records were kept showing the accessions of bound volumes by subjects; and the Vice-Chairman has a conspectus of these records for the period 1911-20 prepared by Miss Nichols. But in these records the subject classification is, in many instances, quite at variance with the departmental classification; and nearly half of all books are assigned to the General Library. Beginning with 1920-21, the records have been kept in such a way as to show accessions according to Library of Congress classes. Data as to departmental distribution could be worked out with some labor on this basis: but would in any case cover only two years. Beginning with 1920, the Library ceased to keep a record of purchase costs by Departments.)

TABLE XVII—Continued

TO-DECT & CO. TO-DEC	A Present No. of Vols.	B First Estimated Average No. of Vols. to Be Added per Year in the Period 1923-50	C Revised Estimated Average No. of Vols. to Be Added per Year in the Period 1923-50	D Estimated No. of Vols. in 1950–51	E Estimated Shelf Frontage Required in 1950-51 (Figures Represent Linear Feet)	F Estimated Cubic Stack Space Required in 1950-51 (Figures Represent Cubic Feet)
Mathematics. Astronomy. Physics. Chemistry. Geology.	3,900 2,800 6,500 7,200 32,600	300 125 285 450 600	450 188 428 675 900	16,050 7,876 18,056 25,425 56,900	1,477 3,386 4,767	9,630 4,726 10,834 15,255 34,140
Botany ^c	8,300 10,400 7,800 4,800 3,400 5,500	400 583 546 286 150 182	600 875 819 429 225 273	24,500 34,025 29,913 16,383 9,475 12,871	6,380 5,609 3,072 1,777	14,700 20,415 17,948 9,830 5,685 7,723
ogy	9,700 10,800	188 1,000 2,780	1,500 4,170	17,314 51,300 220,290	9,619	10,388 30,780 132,174

° c. In Table XII, 27,200 volumes are credited to "Biology, General." In the present table these 27,200 are divided among the several Departments concerned in a ratio corresponding to the ratio of the average annual increases of these Departments.

d. The estimate of 1,000 as the average number of volumes to be added per year for the Medical School was prepared by Professor J. F. Norton in consultation with other members of the Biological Departments.

e. The figure 107,700 combines the total number of volumes listed in Table XIII, the first three items listed in Table XIV, and the 500 volumes credited in Table XII to Household Administration. In the present table these 500 volumes are credited to the General Library, and no entry is made for Household Administration, which utilizes books of numerous other Departments.

STATEMENT OF THE METHOD FOLLOWED IN THE PREPARATION OF TABLE XVII

The figures in Column A are taken from the next to last column in Table XII (except as noted in the Notes appended to the present table).

The figures in Column B are derived as follows: (1) From the preceding General Note Supplementary to Table XVI it appears that the figures given in that table may be read as indicating the number of volumes added by the several Departments in the years 1911–12 to 1919–20. (2) Upon this basis the average number of volumes added per year by each School or Department in the period 1911–20 was found. (3) Each School

or Department was asked whether the average thus obtained was likely to remain the average number of volumes to be added per year in the period 1923-50. (4) In the case of Schools or Departments assenting to this estimate, the average thus obtained was added in Column B. (5) In the case of Schools or Departments dissenting from this estimate, the reasons for dissent and the departmental estimates were considered, and there was entered in Column B a figure representing the estimate of the Commission after consideration of the statements of the Department in question

The figures arrived at in Column B were, however, based upon the assumption that expenditures for books would be on the whole in the next twenty-five years at about the same rate as during the last ten years. But that rate will probably be very materially increased for two reasons: first, because the general rate of expenditure for books ought to be materially increased (see Section XIII of this Report); and second, because, if library facilities such as are called for by the present Report are provided it is altogether likely that large gifts of and for books will come to the University. It would seem reasonable to suppose that the increase in the rate of expenditure plus the increase in the number and size of gifts may increase the general average of books added per year for the next twenty-five years by 50 per cent. (This figure, as may be seen by referring to Section XIII of this Report, would still leave our annual expenditure below that of Harvard.) We have, therefore, given in Column C revised estimates in which the figures given in Column B are increased by 50 per cent.

The figures in Column D represent those in Column A plus twenty-seven times those in Column C—twenty-seven being the number of years intervening between the year 1922–23 and the year 1950–51.

The figures in Column E represent those of Column D divided by 8 (on the generally recognized library principle that on the average eight volumes placed side by side will occupy I foot of shelf frontage) and multiplied by \(\frac{3}{2}\) (on the generally recognized library principle that proper economy in the shelving of books requires—in order to obviate the frequent moving of large masses of books, and other effects of crowding—an actual shelving space, for a given number of books, I\(\frac{1}{2}\) times as great as the shelving space physically necessary to support these books).

The figures in Column F represent those of Column B multiplied by \(^2\) (Mr. Henry reports that the actual ratio of cubic space to the number of volumes in a typical section of the Harper stacks is 377 to 1,000: we have increased that rate very slightly in order to allow for space for automatic elevators and for increased space for stairways), and multiplied by \(^2\) (for the reasons indicated in the preceding paragraph). The present table does not contain estimates for the Department of Household Administration (see the last of the notes appended to the Table), nor for the Rental Bureau, the Hitchcock Hall Library, the Rush Medical Library, and the Yerkes Observatory Library.

APPENDIX G

MEMORANDUM REGARDING THE OFFICE OF LIBRARIAN By J. C. M. Hanson

The recommendations contained in Section XII are not entirely clear. By "Director" may be meant a librarian, with rank of professor and a member of the academic faculty, a man of broad and mature scholarship, vitally interested in the furtherance of research, whose life-work is and has been in the field of library science and bibliography, whose chief work shall be the development and upbuilding of the bibliographic resources and source material of the Libraries, selection of the staff, supervision and direction of its work, and the endeavor in every way possible to advance the efficiency of the Libraries for research purposes.

Further, that there shall be associated with the Director a man skilled in library technique, one who can relieve the Director of much of that minor detail so inseparable from the mere physical administration of a large library; supervise administrative, financial, time, and staff records; make recommendations for new equipment; attend to necessary repairs; advise on binding, book orders, and the like; thus leaving the Director free for the larger tasks connected with correspondence and representation, selection of books and the development of library resources through consultation with members of the different departments, directing the most difficult reference and bibliographic work, conducting staff meetings, and acting as counselor and guide to members of the staff. The Director and his assistant are both to give all their time and strength to library service.

If this is what the Commission has in mind, I believe that its recommendations will receive the approval and commendation of those best qualified to judge.

If, on the other hand, the Commission has in mind a Director whose life-work is and has been in some field of knowledge other than library science and bibliography and who is to give only a part of his time to the supervision of the Libraries, to continue perhaps as teacher and investigator in his chosen field, then the Commission must expect severe criticism of the policy here laid down.

The Commission will appreciate, I am sure, that if I attempt here to forecast some of the objections likely to be offered, it is solely because I wish to give the best advice of which I am capable, not because I have any personal or selfish ends in view. My chances of being in active service when the plans of the Commission have reached a stage where they can be realized are almost nil.

Before attempting to enumerate the objections to the recommendations contained in Section XII, it may be well to state that the situation during the past thirteen years is quite different from what it will be should the report of the Commission be accepted and carried out. The conditions under which the University Libraries have operated, and are still operating, made it very important that the Director of the Libraries should be a man who had grown up with the University and had been in the closest possible touch with its policies and traditions. The University was exceptionally fortunate in having the right man for this place. It is doubtful if anyone else could have carried the many burdens placed on the shoulders of the Director during that difficult period of transition from an old to a new régime, 1910–23. It must be borne in mind, however, that the situation should be very different later on, particularly if the plans of the Commission are carried out.

Some of the objections to the policies outlined in Section XII, as these paragraphs are likely to be construed by most readers, are the following:

I. The report intimates that a librarian may not be as vitally interested in the encouragement of research as one actively engaged in teaching. The answer sure to be made to this is: No member of the Faculties should be more alive to the needs of research, or more interested in the furtherance and development of means for research, than the librarian. It is his lifework to build up the collections intrusted to his care and to make them available for use. No one has a better opportunity than he to study and observe the needs of the different departments from the point of view of books and bibliographic research. No one should be more alert to see and seize opportunities for improving the book resources, or more keenly interested in securing the best source material, not only in one but in all lines of investigation fostered by the University.

2. The deliberate adoption of the policy that the University Librarian shall always be a subordinate to the Director, who shall be a member of the teaching staff, not specially trained for library service, will bar all men of the highest rank from seriously considering a position at the University of Chicago.

3. Critics will say that the policy recommended seems to be based on an assumption that America will never be able to produce or secure again men of the type and caliber of a Justin Winsor, a Dr. Billings, a Dr. Poole, a Charles A. Cutter, an Antonio Panizzi, a Richard Garnett, an Otto Hartwig, a Dziatzko, a Leopold De Lisle, a Biagi, an Ihrle, to mention only a few of the host of names which come to one's mind.

4. It means that the controversy that raged in Europe, particularly in Germany, throughout the greater part of the nineteenth century and that seems there to have been settled for all time—the question as to whether the university librarianship was merely to be a "nebenamt" for a professor, or to be a position on the faculty, requiring a man fully trained in library science and giving to the position his entire time and strength—is to be ignored.

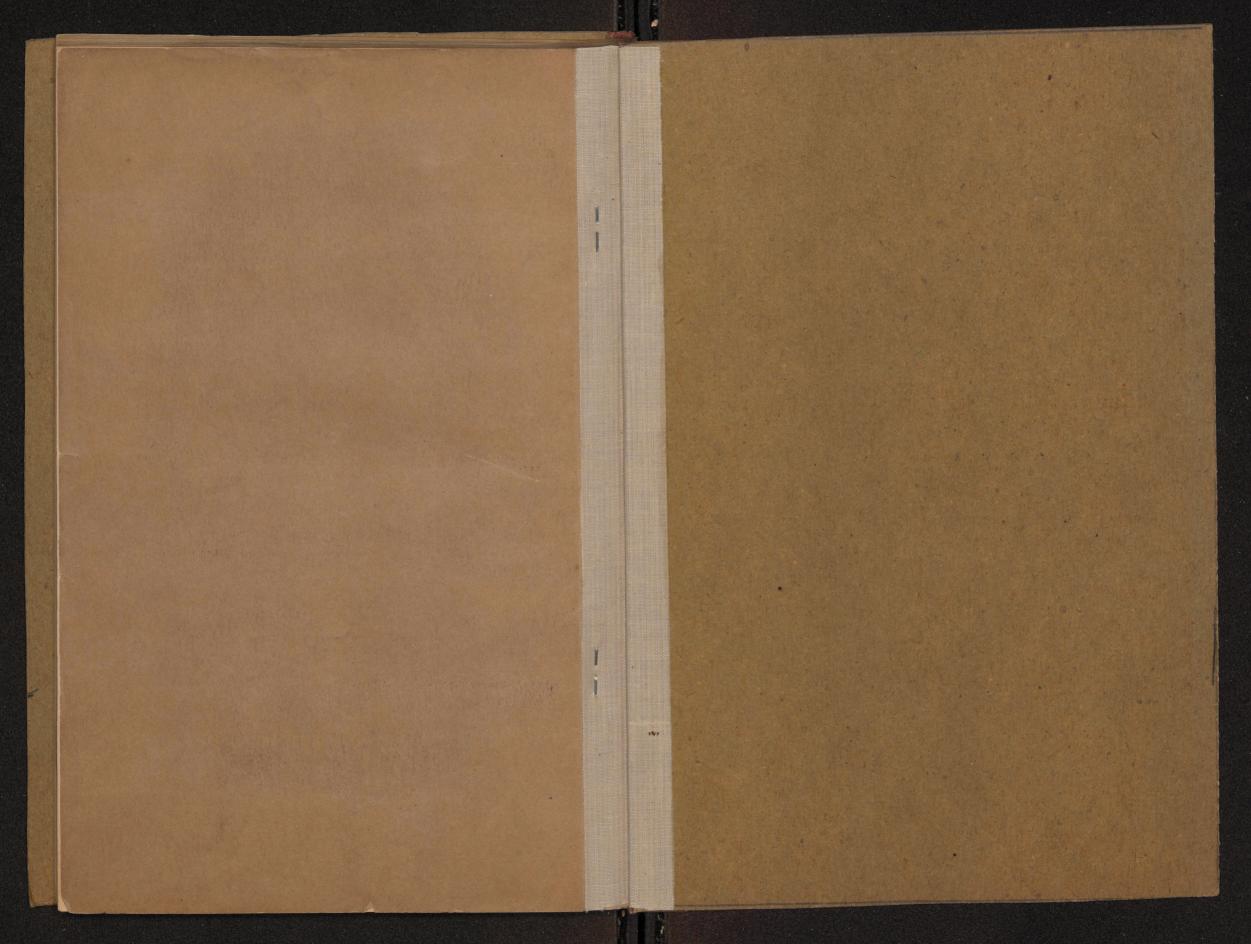
Critics will say that periodicals like Serapeum and Zentralblatt für Bibliothekswesen and books like Graesel, Bibliothekslehre (Anhang I. Von Bibliothekarischen Berufe); Anton Klette's Die Selbstaendigkeit des Bibliothekarischen Berufes, in which the development and results of the abovementioned controversy may be studied in detail, are all available in the University of Chicago Library, but must have escaped the attention of the Commission.

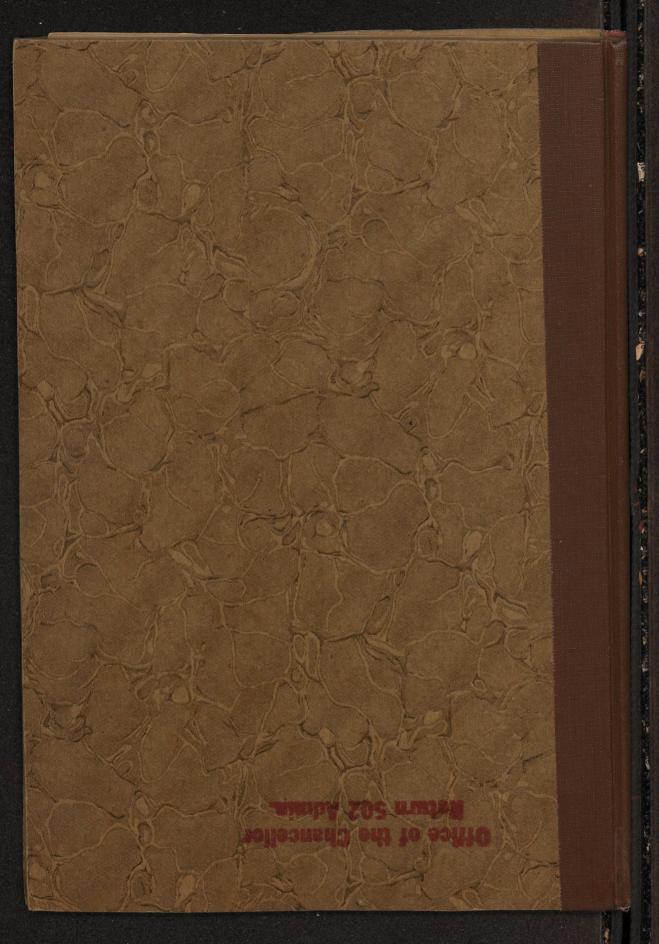
5. It will be pointed out that experience here and abroad has proved that it is very seldom that a man can be a teacher and a librarian at the same time and be equally successful in both occupations. As a rule, one of two things happens: we have a teacher and no librarian, or the professor becomes a librarian and ceases to be a teacher. The administration of a large library requires the entire man and all his strength.

The above are a few of the objections likely to be raised to this section

of the report.

It is with much hesitation that I submit the foregoing observations, but I am sure that the Commission will accept them in the same spirit in which they are offered. The report, when it appears, will attract the attention of librarians and university administrators all over the world. It is not unlikely that it may come to be looked upon as one of the most important statements of the kind ever issued. For that reason, I have taken the liberty of calling special attention to what I believe to be its weakest point. Section XII should be restudied with special reference to the history of the university librarian's position as it has developed in European and the great majority of American universities.





From the desk of
DR. LOWELL T. COGGESHALL

