DOCUMENT RESUME

ED 252 241

IR 050 983

AUTHOR

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TITLE

Evaluation of the Document Delivery Service Provided

by University Libraties, Twin Cities Campus,

University of Minnesota. Final Report of a Research

Project.

INSTITUTION

Minnesota Univ., Minneapolis.

SPONS AGENCY

Courcil on Library Resources, Inc., Washington,

D.C.

PUB DATE

1 May 84

NOTE

62p.

PUB TYPE

Reports - Research/Technical (143) --

Tests/Evaluation Instruments (160)

EDRS PRICE

DESCRIPTORS

MF01/P003 Plus Postage.

*Academic Libraries; *College Faculty; Correlation;

Delivery Systems; Higher Education; *Information Dissemination; *Library Materials; Library Research;

*Library Services; Library Surveys; Use Studies

IDENTIFIERS

*Document Delivery Service; *University of

Minnesota

ABSTRACT

The University Library System at the University of Minnesota, Twin Cities Campus, is a decentralized system of 35 libraries spread over 3 campuses in 2 cities. This study evaluated the performance of two libraries in the system--Walter Library and the Institute of Technology Libraries -- that provide document delivery services to assist faculty members in obtaining documents from any library within the system. The evaluation process entailed both analysis of past performance data and a survey of the faculties 9 two delivery services. Past performance data were cumulated and analyzed to determine the volume and the nature of the materials requested and each library's performance in filling these requests. These analyses are presented in the first part of this report. The self-administered questionnaires, which were completed by 52% of the facultywin all of the departments served by both delivery services, was designed to fulfill two objectives: to gather from the nonusers of the services data describing their reasons for nonuse and the nature and extent of their use of the university library system; and to gather from the users data describing their reasons for use, the nature and extent of their use of the library system, and their evaluations of the document delivery service. A detailed discussion of the design of the survey and the results of the data analyses are presented in the second part of the report. Appendices A and B contain copies of correspondence and questionnaires mailed to nonusers and users of the document delivery service. (THC)



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EVALUATION OF THE DOCUMENT DELIVERY SERVICE

PROVIDED BY

UNIVERSITY LIBRARIES, TWIN CITIES CAMPUS,
UNIVERSITY OF MINNESOTA

FINAL REPORT OF A RESEARCH PROJECT

FUNDED BY THE

COUNCIL OF LIBRARY RESOURCES,

PROFESSIONAL EDUCATION AND TRAINING

FOR

RESEARCH LIBRARIANSHIP PROGRAM

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MAY 1, 1984

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY

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INTRODUCTION

The University Library system at the University of Minnesota, Twin Cities Campus, is a decertralized system of 35 libraries spread over three campuses in two cities. As a result, the location and retrieval of library materials can be a confusing and time-consuming process for a patron. To help alleviate some of these problems, two libraries in the system, Walter Library and the Institute of Technology Libraries, provide Document Delivery services to assist faculty members in obtaining documents from any library within the system. Walter Library houses the collections and provides the services to support the faculties of the College of Education, the General College, and the departments of Art History, Music, and Psychology within the College of Liberal Arts. The Institute of Technology Libraries house the collections and provide the services to support the faculties of the Institute, which is comprised of 18 science and engineering departments.

Requesting a document, that is, a book, a periodical article, or microform, from any library within the University Library system is a simple process. Both services have telephone answering machines which faculty members can call at any time to leave a request for a specific document. Every effort is made by the services to locate, photocopy if necessary, and deliver requested documents within 24 to 48 hours. There is no limit to the number of documents that can be requested and no charge for the loan of a document. The document is charged out to the requestor and is subject to the regular circulation policies and procedures of the lending library. The cost of photocopying a document is



billed to the requestor's department.

Walter Library's Document Delivery service began operation in March of 1974. The service was originally designed as an "experimental project" by the Education-Psychology-Library Science (EPLS) Library. The primary purpose of this "project" was to generate data which could be used to determine the adequacy of the EPLS Library collection for the College of Education faculty members. Therefore, while requests for documents by any University personnel were accepted, College of Education faculty members were considered the primary target group. The service had been scheduled to terminate in June of 1974. However, because of the overwhelming enthusiasm which was expressed for the service, additional funds were provided by the Library to continue Document Delivery through June of 1975. After June, 1975, Document Delivery was subsidized by the various departments using the service. These subsidies ended in the Fall, 1980. Since then, Document Delivery has charged \$.15 per page for copied material to help cover the costs of providing the service.

Walter Library's Document Delivery service has been in continuous operation since March, 1974, except for a nine month interruption of service in 1981 - 82. Document Delivery is staffed by part-time student employees and actively seeks to serve all of the faculty in the academic units served by Walter Library. In actual practice, requests received from any member of the faculty or other University personnel are honored.

The Institute of Technology Libraries began a Document Delivery service in May of 1980. The faculty of the Institute of Technology were considered the primary target group, but once again, requests from any



member of the faculty or other University personnel were accepted.

Initially, the cost of the service was absorbed by the Institute of Technology Libraries. Presently, a charge of \$.15 per page for copied material is also being levied by the Institute of Technology Document Delivery service to help sustain the service.

The Institute of Technology Libraries' Document Delivery service was patterned after Walter Library's Document Delivery service and with few exceptions is similar in design and function. The faculty can call the telephone answering machine to place a request, or, if they wish, they can fill out a Document Delivery request form in any Institute of Technology library. However, unlike Walter Library's Document Delivery service which forwards all documents to requestors by campus mail, the Institute of Technology Libraries' Document Delivery service uses its own personnel to hand deliver all documents as quickly as possible to the requestor's department. A pickup service for returning documents is also available to the faculty.

The Institute of Technology Libraries' Document Delivery service has been in continuous operation since its inception in May, 1980. No major changes in this service have been made.

PURPOSE OF STUDY

The purpose of this study was to evaluate the performances of these two document delivery services. The evaluation process entailed both an



analysis of past performance data and a survey of the faculties served by the two delivery services.

Past performance data were cumulated and analyzed to determine the volume and the nature of the materials requested, and each library's performance in filling these requests. These analyses are presented in Part I of this report.

The survey of the faculty in all of the departments served by both delivery services was designed to fulfill two general objectives: 1) to gather from the nonusers of the services data describing a) their reasons for nonuse and b) the nature and extent of their use of the University Library system; and 2) to gather from the users of the services data describing a) their reasons for use, b) the nature and extent of their use of the University Library system, and c) their evaluations of the service. It was anticipated that these data could be tested to determine whether the use of a document delivery service was related to the use of other library services on campus. The underlying question of interest was, "Does a document delivery service serve better the needs of library users or does it bring library service to faculty members who would otherwise not be active library users?" A detailed discussion of the design of the survey and the results of the data analyses is presented in Part II of this report.



PART I:

EVALUATION OF PAST PERFORMANCE DATA



Since their inceptions, both delivery services have collected data.describing their levels of activity and overall performance. The types of data collected by the two services differ slightly and are presented separately.

PERFORMANCE DATA: INSTITUTE OF TECHNOLOGY LIBRARIES DOCUMENT DELIVERY SERVICE

The number of requests received, the numbers of different types of documents requested, and the number of requests filled have been tabulated daily by Document Delivery. Unfortunately, the numbers of different types of documents provided have not been collected. These data were then cumulated into annual reports for each fiscal year of operation (July - June).

A summary of these data is presented in Table 1. The data for the current year of operation (1983 - 1984) are available only through February of 1984. These data indicate that: 1) the greatest number of requests was received during the first year of operation; 2) the number of requests received has declined annually with the possibility of a slight, projected rebound during the current fiscal year; 3) the relative proportions of journal articles to books requested have run roughly 80% to 20%; and 4) the overall performance of the service, as measured by the percent of requests filled, has remained relatively stable at approximately 78%. Unfortunately, since the numbers of different types of documents provided are not available, it is impossible to determine the percent of requests filled for journal articles or books.



DOCUMENT DELIVER: SERVICE PERFORMANCE:
INSTITUTE OF TECHNOLOGY LIBRARIES

TABLE 1

			
PERIOD	NUMBER OF REQUESTS RECEIVED (TYPE BY %)	NUMBER OF REQUESTS FILLED	PERCENT OF REQUESTS FILLED
uly 1980 - June 1981	1721 (Books = 18%) (Journals = 80%) (Other = 2%)	c 1325	77%
July 1981 - June 1982	1296 (Books = 20%) (Journals = 78%) (Other = 2%)	1019	79%
uly 1982 - June 1983	1129 (Books = 14%) (Journals = 86%)	894	79%
July 1983 - Feb. 1984 (Projection for full year)	809 (1200) (Books = 16%) (Journals = 84%)	613	76%



PERFORMANCE DATA: WALTER LIBRARY DOCUMENT DELIVERY SERVICE

The number of requests received, the number of requests filled, and the numbers of different types of documents provided have been tabulated daily by Document Delivery. Unfortunately, the numbers of different types of documents requested have not been collected. These data were then cumulated into annual reports for each academic year of overation (Fall Quarter - Summer Session II).

Summaries of these available data are presented in Tables 2 and 3. The data for the current year of operation (1983 - 1984) are available only through the Winter Quarter 1984. The data presented in Table 2 indicate that: 1) the annual numbers of requests received varied considerably during the first seven years of operation; 2) after the nine month interruption of service in 1981-82, the number of requests received failed to rebound to previous levels in spite of frequent direct mailings to faculty members promoting the service; and 3) the overall performance of the service, as measured by the percent of requests filled, declined steadily for the first seven years of service from an initial high of 93% in 1974 - 1975 to a low of 79% in 1980 - 1981 and then rebounded slightly when the service was resumed in 1982.

The data presented in Table 3 indicate that the relative proportions of journal articles to books provided by Document Delivery have run roughly 75% to 25%. Unfortunately, since the numbers of different types of documents requested are not available, it is impossible to determine the percent of requests filled for journal articles or books.



TABLE 2

DOCUMENT DELIVERY SERVICE PERFORMANCE:
WALTER LIBRARY

,			
PERIOD	NUMBER OF > REQUESTS RECEIVED	NUMBER OF REQUESTS FILLED	PERCENT OF REQUESTS FILLED
Spring quarter '74 - Spring quarter '75	2773,	\$2580	93%
Fall quarter '75 - Summer sessions '76 -	2317	1991	86%
Fall quarter '76 - Summer sessions '77 *	2476	. 2125	86%
Fall quarter '77 - Summer sessions '78	3743	3126	84%
Fall quarter '78 - Summer sessions '79	3006	2463	82%
Fall quarter '79 - Summer sessions '80	3278	2639	81%
Fall quarter '80 - Summer sessions '81	2497	1975	79%
Service interrupted '81 - '82			
Fall quarter '82 - Summer sessions '85.	495	404	82%
Fall quarter '83 - Winter quarter '84	. 595	496	83%



^{*}Note. - No data are available for Summer Session J '77.

TABLE 3

NUMBER OF REQUESTS FILLED BY TYPE OF MATERIAL:
WALTER LIBRARY DOCUMENT DELIVERY

		'77 - '7 8	'78 - '79	' 79 - ' 80	180 - 181	182 - 183	¹83 ¹84 *	
	ER OF ESTS FILLED	3126	2463	2639	1975	404	496	
	BOOKS	733(23%)	, 513(21%)	622(24%)	438(22%)	72(18%)	139(28%)	
	JOUPNALS	2329(75%)	1867(76%)	1984(75%)	1493(76%)	327(81%)	345(70%)	
•	OTHER	64(2%)	83(3%)	33(1%)	44(2%)	5(1%)	12(2%)	
		,						

^{*}Note. - Data available for Fall and Winter Quarters only.

PART II:

FACULTY SURVEY

OBJECTIVES OF FACULTY SURVEY

The objectives of the survey of the current service population were as follows:

- 1) to determine if the nonuse/use of Document Delivery is related to the subjects'
 - a) academic status; or
 - b) collegiate affiliation; or
 - c) other uses of library services on campus.
- 2) to identify, from among the nonusers of Document Delivery, the reasons for nonuse.
- 3) to determine, from among the users of Document Delivery, if their perceived degree of use is related to their
 - a) academic status; or
 - b) collegiate affiliation; or
 - c) other uses of library services on campus; or
 - d) reasons for using the service; or
 - e) reasons for not using the service for all of their document requirements; or
 - f) evaluations of the service.
- 4) to determine, from among the users of Document Delivery, if their estimates of the proportions of requests submitted to Document Delivery that were intended to support their teaching efforts and their research efforts, are related to their



- a) academic status; or
- b) collegiate affiliation; or
- c) other uses of library services on campus; or
- d) reasons for using the service; or
- e) reasons for not using the service for all of their document requirements; or
- f) evaluations of the service.

DESIGN

The survey was designed as a census of all of the faculty in the various academic departments served by the Institute of Technology Libraries and Walter Library. To the extent that 52% of this population responded, the data represent the responses of a self-selected sample. To the extent that this population and self-selected sample are representative of faculty at large, research universities with decentralized library resources, the data may be generalizable.

INSTRUMENTATION AND MEASUREMENT

The data were designed to be collected by means of self-administered questionnaires, one for the users of Document Delivery and one for the



nonusers of Document Delivery. Both questionnaires included questions designed to measure the subject's a) reasons for not using Document. Delivery (at all or all of the time); b) extent of use of the University Library System; c) academic status; and d) collegiate affiliation. In addition, the user questionnaire also included questions designed to measure the subject's a) reasons for using Document Delivery; b) satisfaction with the service; c) estimates of the proportions of requests that were intended to support his/her teaching efforts and his/her research efforts; d) opinion of the importance of having the Document Delivery service available; and e) opinion of the budget priority that the University Library system should give to the service. Copies of both questionnaires are provided in the Appendices.

Measurement of Reasons For Not Using Document Delivery

The subject was presented with nine possible reasons for not using Document Delivery (or not using Document Delivery for all of his/her document needs); for example, "I prefer to browse my subject area before selecting a document." Each reason was followed by a five-point scale with response categories ranging from "Not at all applicable" to "Very strongly applicable." The subject was asked to select the response category which best described the degree to which each reason for nonuse applied to him/her. The questions measuring the reasons for nonuse are numbered 3.A through 3.I in the user questionnaire (p. 41) and 2.A through 2.I in the nonuser questionnaire (p. 53).



Measurement of Extent of Use of the University Library System

The subject was asked to estimate the extent of his/her use of campus libraries in terms of how often he/she a) personally visits a library; b) sends someone else to a library to get needed material; c) calls a library for information or assistance; and d) frequents a departmental reading room, Each of these types of use was followed by a six-point scale with response categories ranging from "Never" to "More than once a week." The subject was asked to select the response category which best described his/her estimate of degree of use. The questions measuring extent of library use are numbered 9.A through 11 in the user questionnaire (p. 43) and 3.A through 5 in the nonuser questionnaire (p. 54).

easurement of Academic Status

The subject was asked to indicate his/her current academic status at the university. The response categories included the regular professorial ranks, research associate cr fellow, professional/administrative class, and other. This question is number 12 in the user questionnaire (p. 44) and number 6 in the nonuser questionnaire (p. 55).

Measurement of Collegiate Affiliation

The subject was asked to indicate the college with which he/she is affiliated. These included the College of Liberal Arts, College of Education, General College, Institute of Technology and others. This



question is number 13 in the user questionnaire (p. 44) and number 7 in the nonuser questionnaire (p. 55).

Measurement of the Extent of Use of Document Delivery (User Questionnaire Only)

The subject was asked to estimate, from among all of the documents that he/she sought in the University Library system, the proportion that was requested through Document Delivery. This question was followed by a five-point scale with response categories ranging from "Fewer than 20%" through "80% or more." The subject was asked to select the response category which best described his/her estimate of extent of use of Document Delivery. This is question 2 in the user questionnaire (p. 41).

The subject was also asked to estimate, from among all of the documents that he/she requested through Document Delivery, the proportions that were requested to support his/her teaching efforts and research efforts. These two questions were followed by five-point scales similar to the one described above. These are questions 6.A and 6.B in the user questionnaire (p. 43).

Measurement of Reasons For Using Document Delivery (User Questionnaire Only)

The subject was presented with five possible reasons for using Document Delivery; for example, "Using Document Delivery saves me time." Each reason was followed by a five-point scale with response categories ranging from "Not at all applicable" to "Very strongly applicable." The



subject was asked to select the response category which best described the degree to which each reason for use applied to him/her. The questions measuring the reasons for use are numbered 4.A through 4.E in the user questionnaire (p. 42).

Measurement of Evaluation of Document Delivery (User Questionnaire Only)

The subject was asked to evaluate Document Delivery in three ways. First, the subject was asked how satisfied he/she is with the service. This question was followed by a six-point scale with response categories ranging from "Strongly dissatisfied" to "Strongly satisfied." Second, the subject was asked how important to him/her is the availability of the service. This question was followed by a four-point scale with response categories ranging from "Unimportant" to "Strongly important." Third, the subject was asked what priority he/she thinks the library should give to the service in a time of tight budgets. This question was followed by a five-point scale with response categories ranging from "Very low priority" to "Very high priority." For each question the subject was asked to select the response category which best described his/her opinion. These questions are numbered 5, 7, and 8 respectively in the user questionnaire (p. 42).

DATA COLLECTION

Based upon records kept by Document Delivery, all members of the faculty who had requested a document since the beginning of the academic year



(September 1983) were classified as users of the service. All members of the faculty in the departments served by Document Delivery who had not requested a document since the reginning of the academic year were classified as nonusers of the service.

On March 23, 1984 user questionnaires were mailed to the 155 idea. ified users of Document Delivery and nonuser questionnaires were mailed to the 1006 identified nonusers of the service. Each questionnaire was accompanied by an appropriate cover letter and a return envelope addressed to the project director. On April 5, a day after the requested due date, a follow-up letter was mailed to all subjects. Since the responses were anonymous, the letter served the dual purposes of thanking the subject for responding, in the event that the subject had already responded, and encouraging the subject the return a completed questionnaire, in the event that the subject had not as yet responded. A total of 1161 questionnaires were mailed of which 34 were returned with messages indicating that for a variety of reasons (e.g. separation, sabbatical, etc.) the subject was not available. Of the remaining 1127 questionnaires, 582 were returned for a response rate of 52%. A summary of the response data is presented in Table 4. Copies of the cover letters and the follow-up letter are presented in the Appendices.

DATA ANALYSES

Descriptive statistics for the responses to the questions in the user questionnaire are presented in Table A.l in Appendix A. Descriptive sta-



TABLE 4

NUMBERS OF RESPONDENTS TO THE SURVEY

	NUMBER OF QUESTIONNAIRES SENT	NUMBER OF QUESTIONNAIRES DISQUALIFIED	NUMBER OF RESPONSES
4 · .			
IT USERS	71	0	43
IT NONUSERS	457	18	205
IT TOTAL	528	18	248
WALTER USERS	84	1	56
WALTER NONUSERS	549	10	_220
WALTER TOTAL	633	, 11	276
OTHER USERS			11
ANONYMOUS USERS			5
OTHER NONUSERS "		•	
ANONYMOUS NONUSERS	•		, 6
ANONYMOUS DISQUALIFIED		5	. •
GRAND TOTALS	1161 ,	34	582



tistics for the responses to the questions in the nonuser questionnaire are presented in Table B.l in Appendix B.

Correlates of Nonuse/Use of Document Delivery

In order to identify the correlates of nonuse/use of Document Delivery, nonuse/use was dummy coded (0,1) and then regressed onto each of the following sets of variables:

- a) academic status, also dummy coded into the following groups: regular tenure-track faculty appointments, research faculty appointments, professional/administrative appointments, and other appointments.
- b) collegiate affiliation, also dummy coded into the following groups: College of Liberal Arts, College of Education,
 General College, Institute of Technology, and other.
- c) other uses of library services on campus (Questions 9 A 11,

 User Questionnaire; Questions 3 A 5, Nonuser Questionnaire).

 The results of these analyses, reported in Table 5, indicate that
 - a) nonuse/use of Document Delivery was not related to academic status.
 - b) nonuse/use of Document Delivery was positively correlated with affiliation with the College of Education and negatively correlated with affiliation with General College. However, these correlations, although statistically significant, are extremely weak and trivial. A trivial relationship is defined as a meaningless relationship that is statistically



TABLE 5

CORRELATES OF NONUSE/USE OF DOCUMENT DELIVERY

VARIABLES	N	r	r ²	α
Academic Status			•	
Faculty	582	.02	.00	n.s.
Research	582	.04	.00	n.s.
Professional/Administrative	582	03	.00	n.s.
Collegiate Affiliation		•	·	
College of Liberal Arts	582	01	.00	n.s.
College of Education	582	.11	.01	.01
. General College	582	12	.01	.01
Institute of Technology	.582	05	.00	n.s.
Other Uses of Library Services			r	
personal visits	576	.03	.00	n.s.
sending someone else	576	.14	.02	.001
calling a library	574	.27	.07	.001
access to department reading room	576	03	.00	n.s.
use of reading room	314	.00	.00	n.s.



significant only because of a very large sample. In this case, each of these variables explained only .01 of the variance of nonuse/use. Neither affiliation with the College of Liberal Arts nor affiliation with the Institute of Technology was correlated with nonuse/use of Document Delivery.

c) nonuse/use of Document Delivery was positively correlated with the degree to which the subjects reported calling a library for information and sending someone else to a library to obtain needed material. This latter correlation, however, appeared to be trivial. None of the other measures of use of library services was significant.

Nonusers' Reasons For Nonuse of Document Delivery

The means of the ionusers' responses to the questions measuring the reasons for nonuse (Questions 2.A - 2.I, Nonuser Questionnaire) are presented in Table 6. These data indicate that the principal reasons for nonuse appeared to be that the subjects felt that they could more easily obtain the documents they needed from the library and that they preferred to browse a subject area before selecting a document. Interestingly, among the least cited reasons for nonuse were the costs of the service, either to the subjects or the subjects' departments.

Correlates of Perceived Degree of Use of Document Delivery

1

In order to identify the correlates of the users' perceived degree of use of Document Delivery, the users' perceived degree of use (Question 2)



TABLE 6

RANKING OF MEAN SCORES TO THE NONUSERS'
RESPONSES TO THE REASONS FOR NONUSE

			
REASON FOR NONUSE (FIVE-POINT SCALE)	N	x	S.D.
document can be obtained rore easily from a library	302	3,13	1.38
prefer to browse	302	2.79	1.31
forget about using service	290	2.34	1.31
lack a specific citation	302	2.32	1.25
need the document sooner than it can be delivered	302	2.21	1.31
personal cost inhibiting	302	2.15	1.35
document can be obtained more easily from a colleague	290	2.01	1.00
department cost inhibiting	302	1.90	1.35
prefer not to talk to the tape recorder	289	1.65	1.13



was regressed onto each of the following sets of variables:

- a) academic status (dummy coded); "
- b) collegiate affiliation (dummy coded);
- c) other uses of library services on campus (Questions 9A 11);
- d) reasons for using the service (Questions 4A F);
- e) reasons for not using the service for all of their document requirements (Questions 3.A 3.I); and
- (f) evaluations of the service (Questions 5, 7 and 8).

 The results of these analyses, reported in Table 7, indicate that

 a) perceived degree of use was not related to academic status.
 - b) perceived degree of use was positively correlated with affiliation with the College of Education and not correlated with affiliations with the College of Liberal Arts, General College, or Institute of Technology.
 - c) perceived degree of use was inversely correlated with the users' perceptions of how often they personally visit a library of the University Library system and not correlated with any of the other measures of use of library services.
 - d) perceived degree of use was positively correlated with four of the five reasons for use. These were, in order of strongest to weakest correlations: "If the document is not immediately available, I appreciate Document Delivery's explanation", "Using Document Delivery saves me time", "Using Document Delivery is less frustrating", and "Using Document Delivery requires less effort." Interestingly, the reason "I expect Document Delivery will be more successful at finding



TABLE 7

CORRELATES OF PERCEIVED DEGREE OF USE OF DOCUMENT DELIVERY

VARIABLES	N	r	r ²	• a
Academic Status				
Faculty ,	,101	.08	.01	n.s.
Research	101	10	.01.	n.s.
Professional/Administrative	101	.08	.01	n.s.
Collegiate Affiliation				·
College of Liberal Arts	101	14	.02	n.s.
College of Education	101	. 25	.06	.01
General College	101	.02	• 0 0	n.s.
Institute of Technology	101		.01	n.s.
Other Uses of Library Services			0.0	
personal visits	101	29	.08	01
sending someone else	101	01	.00	n.s.
calling a library	100	16	.03	n.s.
access to department reading room	99	.02	.00	n.s.
use of reading room	49	11	.01	n.s.
Reasons For Using Document Delivery	•		. ·	
saves time	99	. 37	.14	.001
requires less effort	99	.22	.05	.01
is less frustrating	99	. 34	.12	.001
Document Delivery will be more successful	99	.12	.01	n.s.
appreciation of Document Delivery's follow-up	99	.39 .	.15	.001



CORRELATES OF PERCEIVED DEGREE OF USE OF DOCUMENT DELIVERY

TABLE 7 (cont'd)

VARIABLES	N	r	$_{\mathtt{r}}^{2}$	α
Reasons For Limited Use of Document Delivery	•.			
lack a specific citation	100	.07	.00	n.s.
prefer to browse	100	23	.05	.01
need the document sooner than it can be delivered	100	20	. 04	.05
personal cost inhibiting	100	13	.02	n.s.
department cost inhibiting	100	05	.00	n.s.
document can be obtained more easily from a library	100	24	.06	.01
document can be obtained more easily from a colleague	97	.17	.03	. 05
forget about using service	· 96	40	.16	.001
prefer not to talk to the tape recorder	96	22	. 05	.05
Tour locations of Dogument Dolivows				
Evaluations of Document Delivery	•			
satisfaction with service	98	.23	.05 .	.01
<pre> importance of availability of service</pre>	100	.42	.18	.001
budget priority for service	98	.52	. 27	.001



the document" was not correlated with perceived degree of use.

- e) perceived degree of use was inversely correlated with five of the nine reasons for limited use. They were, in order of strongest to weakest correlations: "I forget about Document Delivery", "I can easily obtain the document I need from a library of the University system without using Document Delivery", "I prefer to browse my subject area before selecting a document", "I prefer not to talk to a tape recorder answering machine", and "I need the document sooner than it can be delivered." Perceived degree of use was surprisingly correlated positively with "I can easily obtain the document I need from a colleague" and not correlated with "I know in general what I need but lack a specific citation", "I find the cost of using Document Delivery inhibiting" and "My department finds the cost of using Document Delivery inhibiting."
- f) perceived degree of use was positively correlated with satisfaction with the service, importance to the user of the availability of the service, and the user's opinion of the budget priority that the library should give to Document Delivery.

Correlates of the Estimated Proportions of Document Requests for Teaching and Research Efforts

While it was realized that the subjects' estimates of the percent of requests that were initiated to support their teaching efforts should have



been the obverse of their estimates of the percent of requests that were initiated to support their research efforts, each of these estimates (Questions 6 A and 6 B) was in turn regressed onto each of the following sets of variables:

- a) academic status (dummy coded)
- b) collegiate affiliation (dammy coded);
- c) other uses of library services on campus (Questions 9A 11);
- d) reasons for using the service (Questions 4A F);
- e) reasons for not using the service for all document requirements (Questions 3.A 3.I); and
- f) evaluations of the service (Questions 5, 7 and 8).

The results of these analyses, reported in Tables 8 and 9, indicate that

- a) neither estimate was correlated with academic status.
- b) the estimate of the percent of requests that were initiated to support teaching efforts was positively correlated with affiliation with General College and the College of Education (albeit weakly), inversely correlated with affiliation with the Institute of Technology, and not correlated with affiliation with the College of Liberal Arts.

The estimate of the percent of requests that were initiated to support research efforts was inversely correlated with affiliation with the College of Education and with General College, positively correlated with affiliation with the Institute of Technology, and not correlated with affiliation with the College of Liberal Arts. All three of these corre-



TABLE 8

CORRELATES OF THE ESTIMATED PROPORTIONS OF DOCUMENT REQUESTS FOR TEACHING EFFORTS

VARIABLES	N	r	r ²	α
Academic Status	***************************************		· · · · · ·	
Faculty	107	.12	.01	n.s.
Research	107	14	.02	n.s.
Professional/Administrative	107	.13	.02	n.s.
Collegiate Affiliation			••	
College of Liberal Arts	107	01	•00	n.s.
College of Education	107	.18	.03	.05
General College	107	.31	.10	.001
Institute of Technology	107	28	.08	.01
		•	•	
Other Uses of Library Services		•	•	
personal visits '	107	12	.01	n.s.
sending someone else	107	02	•00	n.s.
calling a library	107	14	.02	n.s.
access to department reading room	106	06	.00	n.s.
use of reading room	53	13	.02	n.s.
Reasons For Using Document Delivery		. · · · · ·	·	** ***********************************
saves time	106	. 12	.01	n.s.
requires less effort	106	.01	.00	n.s.
is less frustrating	106	02	00	n.s.
Document Delivery will be more successful	106	04	• 00	n.s.
appreciation of Document Delivery's follow-up	106	.08	.01	n.s.
the state of the s				



TABLE 8 (cont'd)

CORRELATES OF THE ESTIMATED PROPORTIONS OF DOCUMENT REQUESTS FOR TEACHING EFFORTS

				
VARIABLES	N	r	r ²	α
Reasons For Limited Use of Document Delivery				
lack a specific citation	97	.11	.01	n.s.
prefer to browse	97	.02	.00	n.s.
need the document sooner than it can be delivered	97	20	. 04	.05
personal cost inhibiting	97	.15	.02	n.s.
department cost inhibiting	97	.23	05	.01
document can be obtained more easily from a library	97	24	.06	.01
document can be obtained more easily from a colleague	93	12	.01	n.s.
forget about using service	93	02	.00	n.s.
prefer not to talk to the tape recorder	92	12	.01	n.s.
•				
Evaluations of Document Delivery				
satisfaction with service	104	.13	.02	n.s.
importance of availability of service	106	.05	.00	n.s.
budget priority for service	104	.21	.04	.05



TABLE 9

CORRELATES OF THE ESTIMATED PROPORTIONS OF DOCUMENT REQUESTS FOR RESEARCH EFFORTS

ARIABLES	N	r	r ²	α
Academic Status		· •		
Faculty	112	3 4	.02	n.s.
Research	112	0.06	.00	n.s.
Professional/Administrative	112	.13	.02	n.s.
Collegiate Affiliation				
College of Liberal Arts	112	.00.	.00	n.s.
College of Education	112	19	. 04	.05
General College	112	15	.02	.05
Institute of Technology	112	.18	03	.05
personal visits	112	.05	.00	n.s.
• sending someone else	112	.06	.00	n.s.
calling a libraryaccess to departmentreading room	112	.07	.01	n.s.
use of reading room	56	.06	• 00	n.s.
Reasons For Using Document Delivery saves time	111	.05	.00	n.s.
requires less effort	111 -	.01	.00	n.s.
įs less frustrating	111	.01	.00	n.s.
Document Delivery will be more successful	111	.01	.00	n.s.



TABLE 9 (cont'd)

CORRELATES OF THE ESTIMATED PROPORTIONS OF DOCUMENT REQUESTS FOR RESEARCH EFFORTS

VARIABLES	N	r	r ²	α	
Reasons For Limited Use of			. ;		
Document Delivery lack a specific citation	101	02	.00	n.s.	_
prefer to browse	101	01	.00	n.s.	
need the document sooner than it can be delivered	101	.17	.03	.05	,
personal cost inhibiting	101	17	.03	.05-	Ī
department cost inhibiting	101	17	.03	.05	
document can be obtained more easily from a library	101	.05	.00	n.s.	,
document can be obtained more easily from a colleague	97	.15	.02	n.s.	
forget about using service	96	02	.00	n.s.	
prefer not to talk to the tape recorder	96	.18	.03	n.s.	
•					
Evaluations of Document Delivery		Ť			
satisfaction with service	109	.03	.00	n.s	
importance of availability of service	111	.07	.01	n.s.	
budget priority for service	109	.10	.01	n.s.	



lations, however, were quite weak.

- c) neither estimate was correlated with other uses of library services on campus.
- d) neither estimate was correlated with the reasons for using the service.
- e) the estimate of the percent of requests that were initiated to support teaching efforts was inversely correlated with the following reasons for limited use of Document Delivery, "I can easily obtain the document I need from a library of the University system without using Document Delivery" and "I need the document sooner than it can be delivered", and positively correlated with "My department finds the cost of using Document Delivery inhibiting." All three correlations were weak. None of the remaining reasons for limited use was significant.

The estimate of the percent of requests that were initiated to support research efforts was inversely correlated with the following reasons for limited use of Document Delivery, "My department finds the cost of using Document Delivery inhibiting" and "I find the cost of using Document Delivery inhibiting", and positively correlated with "I need the document sooner than it can be delivered." All three correlations were weak. None of the remaining reasons for limited use was significant.

f) the estimate of the percent of requests that were initiated to support teaching efforts was positively correlated with



the user's opinion of the budget priority that the library should give to Document Delivery and not correlated with either satisfaction with the service or the importance to the user of the availability of the service. The estimate of the percent of requests that were initiated to support research efforts was not correlated with any of the evaluations.

DISCUSSION

Before entering into a discussion and interpretation of the results of the data analyses; it would be useful to note the limitations of the survey. First, the survey was limited to a population of faculty at a single, large, urban, research university. Second, the response rate, while typical for a mail survey, was only 52%. Third, the questionnaire was designed to measure some fairly complex behaviors for which the subjects were required to make sophisticated distinctions. Fourth, the questionnaire measured recall of past behavior or currently held opinions. Fifth, the sample of users, whose data received the most detailed analyses, was composed of only 114 subjects. Sixth, the relationships reported in the data analyses were not particularly strong; in fact, most were quite weak. Consequently, while we offer the following interpretations of the data analyses, tendencies to generalize from these results should be tempered by these limitations.



Correlates of Nonuse/Use of Document Delivery

The data analyses indicated that there were, in effect, no differences between nonusers and users either in terms of their academic status or their collegiate affiliation. In addition, there did not appear to be any difference between nonusers and users in the degree to which they reported personally visiting libraries on campus. Access to a departmental reading room (i.e. as distinct from access to a university departmental library) did not appear to affect nonuse/use of Document Delivery. However, users of Document Delivery reported a greater tendency to call the library for information or assistance and to send someone to the library to get material. This suggests some intriging possibilities. Users of Document Delivery may have a stronger tendency to seek assistance or to use the service of others when confronted with an information need. Users may have better defined information needs or perhaps an ability to articulate better their needs. They may simply have established a working relationship with the staff, or a particular staff member, in a library.

Among nonusers, the principal reasons for nonuse appear to be the ease with which they feel they can obtain documents from a library, their preference to browse for documents and their tendency to have a generalized need for information, as opposed to a need for a specific document. It appears therefore that the nonuse or use of Document Delivery may be a function of either the nature of the information need experienced by the faculty member or the faculty member's style of information-seeking, or both.



Correlates of Perceived Degree of Use of Document Delivery

The data analyses indicated that, among users of Document Delivery, the perceived degree of use was not related to academic status. Members of the College of Education reported a higher degree of use then did the members of the other collegiate units. The reasons for using Document Delivery that were most highly correlated with the degree of use were the appreciation for the follow-up to a request provided by Document Delivery when a document was not immediately available and the convenience factors of saving time and minimizing frustration and effort. reasons for not using Document Delivery all of the time appear to be forgetfulness (which we suspect may be a cloaking variable for some sort of internal system for establishing the priority of a document requirement), urgency of the need for the document and getting the document from a library either personally or perhaps by sending someone else. Not surprisingly, the greater the degree of use of Document Delivery, the less frequently the subjects reported personally visiting a library. Given that there was no difference between users and nonusers of Document Delivery in terms of how frequently they reportedly visit a library, it would seem that either Document Delivery is providing a service that supplements the document needs of faculty above and beyond that which they would have availed themselves had not Document Delivery been available, or users of Document Delivery are heavier users of libraries than nonusers of Document Delivery but some of their use is being absorbed by Document Delivery. As was expected, the greater the degree of use of Document Delivery, the higher the evaluations of the service.



Our attempts at identifying correlates of use of Document Delivery for teaching efforts and research efforts were not very successful. Either the questions designed to elicit estimates of use for teaching and research purposes yielded imprecise data or the distinction between use of documents for teaching or research is not a useful one. Aside from weak correlations between affiliation with General College, the College of Education and use of documents for teaching, and affiliation with the Institute of Technology and use of documents for research, nothing much of interest was revealed in the data analyses.



APPENDIX A





UNIVERSITY OF MINNESOTA TWIN CITIES

University Libraries Minneapolis, Minnesota 55455

March 23, 1984

Dear Colleague,

During the current academic year, the Institute of Technology Libraries have provided a Document Delivery service to assist you in retrieving documents (i.e. books, journal articles, microforms) from the University Library system. As part of an externally funded project to study the impact of a delivery service on faculty use of library resources, we are conducting surveys of Document Delivery users and nonusers. The purposes of these surveys are to determine the degree to which faculty and other University personnel use Document Delivery and to identify factors which affect their use of the service.

As a user of Document Delivery, you are in a position to provide us with much of this information; and, given the small size of our population, your participation is very important for the success of the user survey. We would appreciate your taking the time (about 5-10 minutes) to complete the enclosed questionnaire. The anonymity of your responses will be respected and the data will be reported only in the aggregate. For your convenience we have provided an addressed return envelope. If you should have any questions about the questionnaire, please do not hesitate to call the project director, George D'Elia, at 3-3100.

We hope that you will take the opportunity to participate in this project. We would appreciate your returning the questionnaire as soon as possible, but no later than April 4. Thank you for your cooperation.

Sincerely,

Ray Bohling, Acting Director
Institute of Technology Libraries

Andrea Hinding, Director

Walter Library





UNIVERSITY OF MINNESOTA

University Libraries
Minneapolis, Minnesota 55455

March 23, 1984

Dear Colleague,

During the current academic year, Walter Library has provided a Document Delivery service to assist you in retrieving documents (i.e. books, journal articles, microforms) from the University Library system. As part of an externally funded project to study the impact of a delivery service on faculty use of library resources, we are conducting surveys of Document Delivery users and nonusers. The purposes of these surveys are to determine the degree to which faculty and other University personnel use Document Delivery and to identify factors which affect their use of the service.

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Sincerely,

Andrea Hinding, Director

Walter Library

Ray Bohling, Acting Director

Institute of Technology Libraries

DOCUMENT DELIVERY PROJECT: USER SURVEY INSTITUTE OF TECHNOLOGY LIBRARIES WALTER LIBRARY

FUNDED BY THE COUNCIL OF LIBRARY RESOURCES

Dead	r Colleague:					
For	Thank you for participating in to we are interested only in the dottem, not in the documents you obtain your information, a list of offices refer to this list if you have	cuments you in from dep cial Univers	obtain from partmental residues the sity libraries	m <u>libraries</u> eading rooms es is append	in the University or journal ed to the qu	ersity Library collections. estionnaire.
1.	In addition to using the Document the library system either persona departmental staff person)?	Delivery sally or thro	service, do y ough someone	you also try else (e.g.,	to obtain d a colleague	documents from
	YES, I do try to obtain som documents from the Universi Library system myself or the someone else. (PLEASE PROCTO QUESTION 2.)	ty rough	whenever Universi QUESTION	e the Docume I need a do ty Library s S 2 AND 3 AN ION 4, ON PA	cument from ystem. (PLID PROCEED DI	the ASE SKIP
2	Considering all the documents that current academic year, what is you Delivery?	it you have our estimate	sought from of the per	the Univers	ity <u>Library</u> uested throu	system this agh Document
	fewer than 20% 20-39%		40-59%	60-79%	8	30% or more
3.	There are probably a variety of r Delivery service. We would like The statements that follow descri to use Document Delivery. Using each statement is applicable to y be sure to respond to each statem	to get some be possible the scale a ou by check	sense of what reasons who	hat these re y someone mi , please ind	asons might ght choose a icate the de	be. It times not egree to which
		Not at all Applicable	Slightly Applicable		Strongly Applicable	Very Strongly Applicable
Α.	I know in general what I need but lack a specific citation.		·			
В.	I prefer to browse my subject area before selecting a document.	······································	diality and the			
c.	I need the document sooner than it can be delivered.	<u></u>	d-calaborations, and a	To	•	***************************************
D.	I find the cost of using Document Delivery inhibiting.	enandenista	and the second second	derros que aprincipalitação	distribution and a	فسيستسيس
E.	My department finds the cost of using Document Delivery inhibitin	g	***************************************	· · · · · · · · · · · · · · · · · · ·	diagramma and a	. 4114.1114.444
F.	I can easily obtain the document I need from a library of the University system without using Document Delivery.			· .	Machinesia	den sp ecial de de la



		Not at all Applicable	Slightly Applicable	Moderately Applicable	Strongly Applicable	Very Strongly Applicable
G.	I can easily obtain the document I need from a colleague.			******	***************************************	
н.	I forget about Document Delivery.				:) (pid-wald/Eddith
ı.	I prefer not to talk to a tape- recorder answering machine.				weedings and the second	
J.	Do you have any other reasons? Please specify:		· .			· :
				•		· .
	,					:
4.	We would also like to identify the the statements that follow descri	be possible	reasons wh	y someone mi	ght choose t	to use Document
•	Delivery rather than trying to ob- personally or through someone else to which each statement is applicable. Please be sure to respond to each	e. Using t	he scale at by checkin	the right,	please indic	cate the degree
		Not at all Applicable	Slightly Applicable	Moderately Applicable	Strongly Applicable	Very Strongly Applicable
Α.	Using Document Delivery saves me time.			;		
в.	Using Document Delivery requires less effort.				oproprijaje, kralina az	and the state of t
c.	Using Document Delivery is less frustrating.	,	•			
D.	I expect Document Delivery will be more successful at finding the document.	******			and recorded Production	· ·
E.	If the document is not immediatel available, I appreciate Document Delivery's explanation.	. y	granimagaja		***************************************	-
F.	Do you have any other reasons? Please specify:				· .	
			,			
5.	In general, how satisfied are you	with the I	Document Del	ivery service	ce?	
	Strongly Moderately dissatisfied	Slightly		lightly	Moderately satisfied	Strongly satisfied



λ.	What is you efforts?	or estimate of t	he percent	that were in	nitiated to	support yo	ur teaching	!
1	fewer t	han 20\$	20-39%	40-59%	60-7	98	80% or more	· ,
В.	What is you efforts?	ur estimate of t	he percent	that were i	nitiated to	support yo	ur research	
	fewer t	than 20%	20-39%	40-59%	60-7	98	_ 80% or more	
How	important t	to you is the av	ailability	of a Univer	sity Library	Document	Delivery se	ervice?
	Unimportant	Slightl	y important	Mode	rately importa	int	_ Strongly im	portant
Whi giv	ch of the fo e a Document	ollowing stateme t Delivery servi	ents best de ce in a time	escribes the ne of tight	priority you	ou think th	e library	should .
	_ Very low priority	Low priorit	у	Medium priority		gh riority	Very hi	
We any	would like the library of	to gather data of the University	on your est: Library sys	imate of how stem.	often you v	ise, for wh	atever rea	son,
A.	About how	often do you <u>per</u>	sonally vi	sit a librar	y of the Un:	iversity Li	brary system.	em?
	Never	Less than once a mor		nce	2-3 times a month	Once a wee		ore than nce a week
В.	About how o	often do you ser t you need?	nd someone (else to a li	brary of the	e Universit	y Library	system .
	Never	Less than once a mor		nce	2-3 times a month	Once		ore than nce a weel
c.	About how or assista	often do you cal nce (<u>not includ</u> :	ll a librar ing Documen	y of the Uni t Delivery)?	versity Lib	rary system	n for infor	mation
	Never	Less than once a mor		once	2-3 times a month	Once		ore than nce a weel
Doe the	s your depar University	rtment have a de Library system	epartment 1	ibrary, staf	f library,	or reading	room (not	part of
	Yes (PLE	ASE PROCEED TO (QUESTION 11	.)	PR	EASE SKIP (OCEED TO QU GE 4.)	QUESTION 11 JESTION 12,	AND
How	frequently	do you use this	s departmen	t library, s	taff librar	y, or read:	ing room?	
سلخياستين	Never	Less than	Once a mont		3 times	Once a week	More tonce a	



What is your rank at the Uni	versity of Mi	nnesota? (Please	check only one r	esponse.
Regents' Professor		Research	Associate	
Professor		Research	Fellow	
Associate Professor		Professio	nal/Administrative	
Assistant Professor_		Other:		······································
Instructor		· . ·		
With what college are you as	sociated? (P	lease check only	one response.)	
College of Liberal Arts		Institute	of Technology	
College of Education		Other:		
General College			•	
3a. Please specify your dep	artment scho	ol or division:	•	



Minnesota University Library System

Ames Library Anderson Horticultural Library Architecture Library Archives (University Archives) Art Library Bio-Medical Library Bio-Chemistry Library Chemical Engineering Library Chemistry Library Children's Literature Research Collections East Asian Library Education, Psychology, and Library Science Library Engineering Library Entomology Library Eric Sevareid Library (Journalism) Forestry Library Geology Library Government Publications Library Immigration History Research Center Collections James Ford Bell Library Journalism Library (Eric Sevareid Library) Law Library Manuscripts Collection Map Library Mathematics Library Middle East Library Mines, Metallurgy & Chemical Engineering Library Music Library Natural History Library Physics Library Plant Pathology Library Public Administration Library St. Paul Campus Central Library Social Welfare History Archives Special Collections and Rare Books Library Tenant Memorial Library University Archives Veterinary Medical Library Walter Library Wangensteen Library Wilson Library



^{*}list prepared from <u>University of Minnesota Libraries</u>, <u>Twin Cities</u>: A Guide.



University Libraries
Minneapolis, Minnesota 55455

April 5, 1984

Dear Colleague,

Last week we invited you to participate in a study of the Document Delivery service offered by Walter Library and the Institute of Technology Libraries. We had asked that you complete the questionnaire that was enclosed and return it to us by April 4. If you have already done so, we thank you.

If you haven't yet had the chance to complete the questionnaire, we hope that this reminder will encourage you to take the time to do so. As a researcher, you are no doubt aware of how important the participation of each and every subject is to the success of a survey. We do need your help in bringing this study about faculty use of library resources to a successful conclusion.

We would appreciate your completing and returning the questionnaire as soon as possible, but no later than Tuesday, April 10. If you need another copy of the questionnaire, please call the project director, George D'Elia, at 3-3100. Thank you for your cooperation.

Sincerely,

Andrea Hinding, Director

Walter Library

Ray Bohling, Acting Director
Institute of Technology Libraries

Ray Balling

DESCRIPTIVE STATISTICS: USER QUESTIONNAIRE

TABLE A.1

QUESTION NUMBER	N	% / X	Ş.D.
l obtain some document from library yours	elf ·	88.7%	
. 1. No	ES 102 0 11	9.6%	
2 estimate of percendocuments requeste	d	0.61	1 50
through Document D	elivery lui	2.61	1.50
3. A lack a spècific	citation 103	2.94	1.47
B prefer to browse	. 103	2.93	1.18
C need the documen than it can be d		2.58	1.35
D personal cost in	hibiting 103	1.48	.88
E department cost ting	inhibi- 103	1.50	1.01
F document can be more easily from library		2.46	1.33
G document can be more easily from colleague		1.92	.89
H forget about usi service	ng 98	1.63	1.03
I prefer not to ta the tape recorde		1.33	. 77
4. A saves time	112	4.48	.88
B requires less ef	fort 112	4.33	.95
C is less frustrat		3.74	1.44
D Document Deliver be more successf		3.18	1.66
E appreciation of Delivery's follo		3.40	1.52



TABLE A.1 (cont'd)

DESCRIPTIVE STATISTICS: USER QUESTIONNAIRE

UESTION NUMBER	N	% / X	S.D.
satisfaction with service	112	5.73	50
. A percent of documents for teaching	or 107	2.03	1.28
B percent of documents for research	or 112	3.83	1.36
of service	114	3.65	.65
budget priority for service	e 112	3.95	.95
A personally visit a library	115	~ 3.9̃8	<. 1.41
B send someone else to a library	115,	2.70	1.46
C call a library	114	2.71	1.19
O access to department reading room YES NO	58 55	47.8% 50.4%	• 4
ll use of department reading room	5 58	4.03	1.74
.2. Regents' Professor	5	4.3%	
Professor	56	48.7%	
Associate Professor	16	, 13.9%	
Assistant Professor	18	15.7%	
Instructor	2	1.7%	
Research Associate	6	5.2%	
Research Fellow	0	0.0%	
Professional/Administrative	4	3.5%	
Other	8	7. 0%	



TABLE A.1 (cont'd)

DESCRIPTIVE STATISTICS: USER QUESTIONNAIRE

QUESTION NUMBER	N	% / X	S.D.
13. College of Liberal Arts	17	14.8%	a
College of Education	35	30.4%	
General College	4	3.5%	·
Institute of Technology	43	37.4%	• .
Other	1,6	13.9%	•

APPENDIX B



UNIVERSITY OF MINNESOTA

University Libraries Minneapolis, Minnesota 55455

March 23, 1984

Dear Colleague,

During the current academic year, Walter Library has provided a Document Delivery service to assist the faculty in retrieving documents (i.e. books, journal articles, microforms) from the University Library system. As part of an externally funded project to study the impact of a delivery service on faculty use of library resources, we are conducting surveys of Document Delivery users and nonusers. The purpose of these surveys is to identify factors which affect faculty use or nonuse of Document Delivery.

Since you have not used Document Delivery this academic year (beginning September 1983), you are being considered, for the purposes of this study, a nonuser of the service. As such, you could provide us with helpful information about reasons for nonuse. We would appreciate your taking a few minutes, 5-10 at most, to complete the enclosed questionnaire. The anonymity of your responses will be respected and the data will be reported only in the aggregate. For your convenience we have provided an addressed return envelope. It would help us considerably if you could complete and return your questionnaire as quickly as possible, or by April 4 at the latest.

We hope that you will participate in this study and help make it a success. If you should have any questions about the questionnaire, please do not hesitate to call the project director, George D'Elia, at 3-3100. Thank you for your cooperation.

Sincerely,

Andrea Hinding, Director

Walter Library

Ray Bohling Acting Dire

Ray Bohling, Acting Director Institute of Technology Libraries



UNIVERSITY OF MINNESOTA TWIN CITIES

University Libraries Minneapolis, Minnesota 55455

March 23, 1984

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Sincerely,

Ray Balding

Ray Bohling, Acting Director
Thatitute of Tachnology Library

Institute of Technology Libraries

Andrea Hinding, Director

Walter Library

FIINDED	ηV	THE	COUNCTI.	OF	T.TRRARY	RESOURCES
FUNDED	ВI	1111	COONCIP	Or.	TIMMATIL	MESCANCES

Dear	Colleague:					
syst	Thank you for participating in the we are interested only in the documents you obtain the documents you obtain the interest of officient of the control of the series of this list if you have	<u>cuments</u> <u>you</u> in from depar ial Universi	obtain from ctmental rea v libraries	<u>libraries in</u> ading rooms (s is appende	n <u>the Univer</u> Dr journal c d to the que	ollections. stionnaire.
1.	Before this survey, were you awar	e of the Docu	ument Delive	ery service?		
	Yes (PLEASE PROCEED TO QUES	TION 2.)	No			
		ν.	is there	you are awa a likelihoo in the futur	d of your us	nt Delivery ing this
	•		Yes	S		No
		•		SKIP QUESTION 3, ON P.		EED DIRECTLY
2.	There are probably a variety of r service. We would like to get so	easons why yo	ou choose no what these	ot to use th reasons migh	e Document I t be.	elivery
•	The statements that follow descri Document Delivery. Using the sca statement is applicable to you by sure to respond to each statement	le at the ric checking the	ght, please	indicate th	e degree to	which each
		Not at all Applicable		Mode Jy Applicable		Very Strongly Applicable
A.	I know in general what I need but lack a specific citation.			·	. ,	
в.	I prefer to browse my subject area before selecting a document.		<u> </u>			-
c.	I need the document sooner than it can be delivered.					
	I find the cost of using Document Delivery inhibiting.	***************************************				•
Ε.	My department finds the cost of using Document Delivery inhibitin	g•	, montantuminale	<i>p</i>	•	
F.,	I can easily obtain the document I need from a library of the University system without using Document Delivery.					

CONTINUED ON NEXT PAGE.



		Not at all Applicable	Slightly Applicable	Moderately Applicable	Strongly Applicable	Very Strongly Applicable
3.	I can easily obtain the document I need from a colleague.		d-c-lagrange.		-	
н.	I forget about Document Delivery.					**************
I.	I prefer not to talk to a tape- recorder answering machine.	, .	On the control of		•	almadorna middinima
J.	Do you have any other reasons? Please specify:	·				
		· 				•
			-	•		ξη ,
		-				
3.	We would like to gather data on you any library of the University Library			en you use,	for whateve	r reason,
	3 Shout her often de vou norgani	allu viait a	liberry of	the Univer	oitu Librari	. avetem?
	A. About how often do you persons	ally visit a	library or	the Univer	sith miniai?	Bysceme
				•		
	Never Less than	Once		3 times	Once	More than
	once a month	a mont	n ay	month	a week	once a week
	B. About how often do you send so to get what you need?	omeone else	to a librar	y of the Un	iversity Lik	orary system
,	Never Less than once a month	Once a mont		3 times	Once a week	More than once a week
				,		
	C. About how often do you call a or assistance (<u>not including</u> I	library of Document Del	the Universivery)?	ity Library	system for	information
	Never Less than once a month	Once a mont		3 times month	Once a week	More than once a week
4.	Does your department have a depart the University Library system)?	tment librar	y, staff li	brary, or r	eading room	(not part of
	Yes (PLEASE PROCEED TO QUEST	rion 5.)			E SKIP QUEST ED TO QUEST 3.)	
5.	How frequently do you use this dep	partment lib	rary, staff	library, o	r reading ro	oom?
	Never Less than	Once	2-3 tim	es Or	nce	More than
	once a month	a month	a month	And the Andread Andrea	week	once a week



6.	What	is your rank at the University of Mi	nnesota? (Please check only one response.)
		Regents' Professor	Research Associate
		Professor	Research Fellow
		Associate Professor	Professional/Administrative
		Assistant Professor	Other:
		Instructor	
7.	With	what college are you associated? (P	lease check only one response.)
•		College of Liberal Arts	Institute of Technology
		College of Education	Other:
		General College	
,	7a.	Pluse specify your department, schoo	1, or division:



Minnesota University Library System

Ames Library Anderson Horticultural Library Architecture Library Archives (University Archives) Art Library Bio-Medical Library Bio-Chemistry Library Chemical Engineering Library Chemistry Library Children's Literature Research Collections East Asian Library Education, Psychology, and Library Science Library Engineering Library Entomology Library Eric Sevareid Library (Journalism) Forestry Library Geology Library Government Publications Library Immigration History Research Center Collections James Ford Bell Library Journalism Library (Eric Sevareid Library) Law Library Manuscripts Collection Map Library Mathematics Library Middle East Library Mines, Metallurgy & Chemical Engineering Library Music Library Natural History Library Physics Library Plant Pathology Library Public Administration Library St. Paul Campus Central Library Social Welfare History Archives Special Collections and Rare Books Library Tenant Memorial Library University Archives Veterinary Medical Library Walter Library Wangensteen Library Wilson Library



^{*}list prepared from <u>University of Minnesota Libraries</u>, <u>Twin Cities</u>: <u>A Guide</u>.



UNIVERSITY OF MINNESOTA TWIN CITIES

University Libraries Minneapolis, Minnesota 55455

April 5, 1984

Dear Colleague,

Last week we invited you to participate in a study of the Document Delivery service offered by Walter Library and the Institute of Technology Libraries. We had asked that you complete the questionnaire that was enclosed and return it to us by April 4. If you have already done so, we thank you.

If you haven't yet had the chance to complete the questionnaire, we hope that this reminder will encourage you to take the time to do so. As a researcher, you are no doubt aware of how important the participation of each and every subject is to the success of a survey. We do need your help in bringing this study about faculty use of library resources to a successful conclusion.

We would appreciate your completing and returning the questionnaire as soon as possible, but no later than Tuesday, April 10. If you need another copy of the questionnaire, please call the project director, George D'Elia, at 3-3100. Thank you for your cooperation.

Sincerely,

Andrea Hinding, Director

Ray Bakken,

Walter Library

Ray Bohling, Acting Director Institute of Technology Libraries

ERIC Provided by ERIC

TABLE B.1

DESCRIPTIVE STATISTICS:
NONUSER QUESTIONNAIRE

QUESTION NUMBER . ,	N	% / X	S.D.
1 aware of Document Delivery			
YES	309	66.2%	
NO	153	32.8%	
if no, likelihood of use		·	
YES	93	60.7%	
NO	42	27.5%	·
2. A lack a specific citation	302	2.32	1.25
B prefer to browse	302	2.79	1.31
C need the document sooner	r	` .	
than it can be delivered	302	2.21	1.31
D personal cost inhibiting	302	2.15	1.35
E department cost inhib-	•	<u>.</u>	
iting	302	1.90	1.35
F document can be obtained	1		•
more easily from a		· · · · · · · · · · · · · · · · · · ·	•
library	302	3.13	1.38
G document can be obtained	ì		
more easily from a			1 00
colleague	290	2.01	1.00
"H forget about using		0.04	1 01
service	290	2.34	1.31
I prefer not to talk to the		,	1 10
tape recorder	289	1.65	1.13
3. A personally visit a		•	
library	461	3.88	1.48
B send someone else to a			
library	461	2.21	1.36
C call a library	460	2.05	.87
4 access to department reading	າຕ		
room	. 6		
YES	256	54.8%	
NO	207	44.3%	•



TABLE B.1 (cont'd)

DESCRIPTIVE STATISTICS: NONUSER QUESTIONNAIRE

QUESTION NUMBER	N	% / X	S.D.
5 use of department reading room	256	4.04	1.67
6. Regents' Professor	2	.48	
Professor	205ء	43.9%	
Associate Professor	99	21.2%	
Assistant Professor	69	14.8%	
Instructor	10	2.1%	
Research Associate	7	1.5%	•
Research Fellow	8	1.7%	€,
Professional/Administrative	24	5.1%	
Other	43	9.2%	
7. College of Liberal Arts	73	15.6%	
College of Education	88	18.8%	
General College	59	13.6%	et.
Institute of Technology	205	43.9%	•
Other	42	9.0%	