# A Report on Faculty Perceptions of Students' Information Literacy Competencies in Journalism and Mass Communication Programs: The ACEJMC Survey

# Annmarie B. Singh

This article presents the results of a survey done of the faculty of programs fully accredited by the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC) in 2002–2003. The purpose of the survey was to assess the faculties' perceptions of their students' information literacy skills as defined by the ACRL standards adopted in 2000. Faculty reported that most of their graduate students met the ACRL criteria for information literacy, but only some of their undergraduate students could be considered information literate by these standards. Faculty also reported consistent improvement in their students' research process after receiving library instruction.



hroughout its history and in the current discussion of the status of journalism and mass communication (IMC) educa-

tion in higher education, emphasis on the student acquiring a breadth of knowledge coupled with practical journalistic skills has been consistent. The Accrediting Council on Education in Journalism and Mass Communications (ACEJMC), which grants accreditation to such programs, adopted revised standards in September of 2003 that delineate nine standards with indicators and examples of evidence for each by which JMC programs will be evaluated for accreditation as of September 2004. In standard #2 on curriculum

and instruction, the ACEJMC identifies critical thinking and the ability to "conduct research and evaluate information by methods appropriate for the communications professions in which they work" as professional competencies. Additionally, the ACEJMC standards for accreditation include the provision of adequate library and information resources as an indicator of the administration's efforts to maintain and fulfill the program's mission (Standard 7: Resources, Facilities, and Equipment).

Seventeen years prior, in the 1987 report, Planning for Curricular Change: A Report on the Project on the Future of Journalism and Mass Communication Education,

Annmarie B. Singh is the Communication Studies Librarian at Hofstra University; e-mail: librfabs@hofstra.edu.

the authors stated that information gathering was one of five basic competencies journalism educators agreed their graduates should have.<sup>3</sup> In a discussion of the debate over whether journalism should be approached as an academic discipline, Betty Medsger, in her 1996 report, *Winds of Change: Challenges Confronting Journalism Education*, stated that the debate itself reveals:

a lack of understanding of the intellectual nature of the skills of journalism...that these skills fall under the category of 'intellectual,'...[the skills of] research, critical thinking, organization of material and clear expression...the key skills the university tries, but often fails, to teach all students as essential parts of their liberal education."<sup>4</sup>

These skills have evolved in higher education as the notion of information literacy (a term that has been in the vernacular of higher education since 1974).5 In January 2000, information literacy became formalized in higher education with the endorsement by the American Association for Higher Education of the standards established by the Task Force on Information Literacy Competency Standards of the Association of College and Research Libraries (ACRL). In defining information literacy, the task force made the statement, "The sheer abundance of information will not in itself create a more informed citizenry without a complimentary cluster of abilities necessary to use information effectively."6 The task force delineated five standards, each with extensive performance indicators and outcomes. In defining information literacy, the task force stated that an information-literate person would be a person who is able to:

- Determine the extent of information needed
- Access the needed information effectively and efficiently
- Evaluate information and its sources critically

- Incorporate selected information into one's knowledge base
- Use information effectively to accomplish a specific purpose
- Understand the economic, legal, and social issues surrounding the use of information, and access and use information ethically and legally<sup>7</sup>

The assumption is that through achievement of these abilities, the citizenry will become effective information users and "life-long learners."8 Given the striking parallel between these abilities and the tools professionals working in JMC use every day, and acknowledging the directives from various sources that research competency be expected of, and appropriate training be provided for, students in JMC programs, a survey was done to assess how the information literacy skills of this student population are perceived by their faculty and how library instruction is being provided and integrated into the curriculum as a means of building research competencies.

#### **Research Rationale**

In order to assess faculty perceptions of JMC students' information literacy skills and the rate and impact of library instruction in JMC curricula, a survey was created to appraise the following:

- How frequently do faculty teaching students in JMC programs give assignments requiring library research?
- How frequently do faculty teaching students in JMC programs integrate library instruction into their courses?
- What do faculty report is the impact library instruction has on the research skills of JMC students?
- What research skills and practices do faculty report students in these programs possess?
- How do faculty of students in JMC programs perceive their students' information literacy skills as defined by the ACRL standards?

To answer these questions, the fulltime faculties of all programs holding full accreditation by the ACEJMC during 2002–2003 were surveyed. This article is a descriptive report on the results of that survey and presents the data for undergraduate and graduate students in four sections: library instruction, impact of library instruction, information literacy assessment, and student research skills and practices.

#### Methodology

In May 2002, 1,908 surveys were sent to full-time faculty teaching in programs holding full accreditation by the ACE-IMC. Programs and faculty were identified through the listing of accredited programs for 2002-2003 posted on the ACEJMC Web site. A database of programs and faculty was created based on the listing and a mailing was generated, with each faculty member being sent a letter of introduction and explanation, a survey, and a postage-paid return envelope. Faculties were asked to return the survey by November 2002. Four hundred and twenty-five usable surveys were received resulting in a 22.3 percent return rate. The data were entered into the Statistical Package for the Social Sciences (SPSS, version 11) software for analysis. This article reports on the responses to seventeen of the twenty-six questions posed to faculty, the content of which would be of interest to the audience of this publication: academic and special librarians.

#### **Survey Instrument**

The survey instrument was a questionnaire consisting of twenty-six items that were measured using a Likert-type scale. The range of responses on the majority of the items were: every/all, most, some, few, none, N/A, cannot judge; excellent, strong, adequate, poor, N/A, cannot judge. One question required a response of agree, disagree, or do not know, and one question required a response of either improved, made no difference in, or confused. There also was one open-ended question to which faculty could write in any information-seeking skills they believed a student being prepared to work in mass media should have (the content analysis of which is not included here).

The validity of the inferences made about the information literacy competency of undergraduates and their research skills is impacted by the fact that the survey questions did not allow faculty to clarify the level (freshmen, sophomore, etc.) of the undergraduate student. It can be assumed that the level of the undergraduate student could have an effect on his or her research abilities (upperclassmen would be more capable than freshmen) and that effect is not accounted for here. Therefore, the results apply to faculty who teach undergraduates on all levels. Also, it is reasonable to assume that some faculty would teach exclusively technical courses and would not be giving assignments requiring library research or making library instruction a regular part of their courses. To control this confound, faculties surveyed were given the option to respond "cannot judge" and "N/A" to questions, enabling faculty for whom questions were not relevant to exclude themselves.

External validity for this study is strong, as it is reasonable to generalize these results to the experiences and practices of faculty teaching undergraduates on all levels and graduate students in other JMC programs not accredited by the ACEJMC. JMC programs typically include technical and theoretical courses. Internal consistency for the items on this instrument is adequate to high for the four subscales into which the instrument has been divided. This is demonstrated in table 1.

#### **Findings**

### Library Instruction

Faculties were asked to report the frequency with which they gave assignments requiring library research in their courses and how often they made library instruction a regular part of the courses they taught. Four hundred and twelve (96.9%; n = 425) faculty teaching undergraduates responded to the question about assign-

TABLE 1 Reliability Analysis of Scales											
		y Instr. ale	Impact of Lib. Instr. Scale		iteracy . Scale	I	nt Res.				
	Under Grad.	Grad.	Under Grad. & Grad. Comparison	Under Grad.	Grad.	Under Grad.	Grad.				
# of Variables	3	3	2	2	2	13	13				
Mean Mean for Items	2.4101	2.5046	2.382	3.0673	3.0237	3.0283	2.3739				
Mean Variance for Items	1.262	2.5063	1.9684	0.7842	2.3089	1.1857	1.0228				
Inter-item Covariance	0.3234	0.7426	0.9698	0.5127	1.9826	0.4149	0.3131				
Inter-item Correlation	0.2276	0.208	0.4941	0.6659	0.8821	0.3628	0.3171				
Mean for Scale	7.2302	7.5138	4.764	6.1346	6.0475	39.3682	30.8606				
Variance for Scale	5.7264	11.9745	5.8766	2.5939	8.5832	80.1334	62.1344				
Standard Dev. for Scale	2.393	3.4604	2.4242	1.6106	2.9297	8.9517	7.8825				
Reliability Coefficients on:	3 It	ems	2 Items	2 Ite	ems	13 I	tems				
Cronbach's Alpha	0.5083	0.5582	0.6601	0.7906	0.924	0.8749	0.8515				
Standardized Item Alpha	0.4693	0.4406	0.6614	0.7995	0.9373	0.8810	0.8579				
No. of Cases	391	327	356	416	358	402	287				

ments requiring library research, with 137 (33.3%; n = 412) reporting they made assignments requiring library research a regular part of every class they taught. Only ten (2.4%; n = 412) stated none of their classes included assignments requiring library research. (See table 2.)

To the question about the frequency with which library instruction was made a regular part of the courses they taught, 408 (96%; n = 425) faculty teaching under-

graduates responded. Of those, thirty-five (8.6%; n = 408) stated they made library instruction a regular part of every course they taught; 117 (28.7%; n = 408) stated library instruction was not made a regular part of any of the courses they taught.

A cross-tabulation of these two questions showed a moderate positive correlation of r = .477 (Q = .448). Four hundred and two (94.6%; n = 425) faculty answered both questions and of that number, 133

(33.1%; n = 402) reported they made assignments requiring library research a regular part of every class they taught, yet only thirty-three of them (24.8%; n = 133) said they made library instruction a regular part of every class as well. Twenty four (18%; n = 133) reported assignments requiring library research were a regular part of every course they taught, yet they did not make library instruction a regular part of any course they taught. Of the 101 (25.1%; n = 402) who said they made assignments requiring library research a regular part of most of the courses they taught, only two (2%; n = 101) said library instruction was a regular part of every course they taught, with the largest percentage of this group, 29.7 percent (30; n = 101), reporting that regular library instruction was a part of some of the courses they taught. Of those ninety-four (23.3%; n = 402) faculty who stated some of their courses regularly included assignments requiring library instruction, none made it a part of every course and the highest percentage of this group, 30.9 percent (29; n = 94), stated they made library instruction a regular part of only some of the courses they taught. (See table 3.)

The same two questions were posed to faculty teaching graduate courses. Three hundred and fifty-six (83.8%; n = 425) faculty surveyed responded to the first question. As could be expected, a higher

percentage of faculty reported making assignments requiring library research a regular part of the courses they taught to graduate students than for undergraduate students, with 210 (59%; n = 356)stating such assignments were a regular part of their graduate courses. Only six (1.7%; n = 356) of these faculty reported assignments requiring library research were not a regular part of the graduate courses they taught. The second question on the frequency at which they made library instruction a regular part of their graduate courses got a response rate of 81 percent (344; n = 425). Only fifty (14.5%; n = 344) faculty members stated they made it a regular part of every course they taught, forty-seven (94%; n = 50) of which also reported making library assignments a part of every course. The greatest number, seventy-five (21.8%; n = 344), reported they did not make library instruction a regular part of any of the courses they taught. Again, as with the undergraduate data, the cross-tabulation of these two questions showed a similar moderate positive correlation (r = .638;  $\rho$  = .634) as the greatest number of faculty reporting they made assignments requiring library research a part of every course they taught, also stated they did not make library instruction a part of any of the courses they taught (48; 23.6%; n = 203).

Free	TABLE 2 Frequency of Faculty Reporting on Research Assignments and Library Instruction: Undergraduate and Graduate (N = 425)													
Rese	Research Assignments Library Standard Deviation Instruction													
	Frequency/ % No.   Frequency/ % No.   Res.Assgn   Lib.Instr.													
	Ugrad	Grad	Ugrad	Grad	Ugrad	Grad	Ugrad	Grad						
Every	137/33.3	210/59	35/8.6	50/14.5										
Most	104/25.2	36/10.1	64/15.7	48/14	1.198	2.055	1.393	1.782						
Some	97/23.5	16/4.5	87/21.3	42/12.2		Me	ean							
Few	60/14.6	10/2.8	85/20.8	45/13.1	Res.A	ssgn.	Lib.I	nstr.						
None	None 10/2.4 6/1.7 117/28.7 75/21.8 <b>Ugrad Grad Ugrad Grad</b>													
N/A	4/1	78/21.9	20/4.9	84/24.4	2.31	2.44	3.6	3.87						

		d N	Grad	49	47	41	44	74	80	335
25)		Valid N	Ugrad	35	62	87	83	116	19	402
(N = 4)		A						2	99	89
raduate		N/A	Ugrad Grad						4	4
e and G	I teach.	ıe	Grad					5		5
TABLE 3 no on Research Assignments and Library Instruction: Undergraduate and Graduate (N = 425)	Assignments requiring library research are a regular part of the courses I teach	None	Ugrad Grad					6	1	10
Under	ırt of th	W	Grad				1	6		10
uction:	egular pa	Few	Ugrad Grad		1	-	21	33	4	09
TABLE 3 ibrary Instr	are a r	ne		1	1	4	3	4	2	15
TAI d Libra	researc	Some	Ugrad Grad Ugrad Grad		10	29	23	31	1	94
ents an	library	st	Grad	-	6	6	9	9	3	34
ssignm	equiring	Most	Ugrad	2	25	30	21	19	4	101
earch A	ments re	ıry	Grad	47	37	28	34	48	6	203
on Res	Assign	Every	Ugrad Grad	33	26	27	18	24	5	133
bulation				Every	Most	Some	Few	None	N/A	Valid N
Cross-tabulatio			-: -: -: -: -: -: -: -: -: -: -: -: -: -	a regular part of the	courses I teach.					

# Impact of Library Model on Frequency of Library Instruction

To assess whether having a library liaison available for specialized curricular support influenced the rate at which faculty made library instruction a regular part of the courses they taught, faculty were asked to agree, disagree, or respond "do not know" to the following statement, "Our college/school/division/ department has a library liaison who acts as a subject specialist in support of our programs/courses." It was assumed that the faculty who agreed with this statement at the highest rate would be the same faculty who reported making library instruction a regular part of their courses at the highest rate. Four hundred and ten (96.5%; n = 425) faculty members responded to this question, with 319 (77.8%; n = 410) agreeing that this was the model employed by their institutions' library. (See table 4.)

A cross-tabulation showed that of those 397 faculty teaching undergraduates who answered the question on knowledge of their library's model and frequency of library instruction, 309 (77.8%; n = 397) agreed their college/school/division/department had a library liaison available. Seventy-eight of these faculty (25.2%; n = 309) stated they had a library liaison available and never made library instruction a regular part of the courses they taught. Less than half as many faculty (31; 10%; n = 309) who agreed to the library liaison model stated they made instruction a part of every course they taught. (See table 5.) This was not the positive correlation anticipated by the author. There also was a positive correlation between not knowing if the library liaison model was used by the institution's library and the frequency with which library instruction was made a regular part of courses. As the rate of faculty reporting not knowing the model increased, the rate of not integrating library instruction into courses increased (r = .164;  $\varrho = .158$ ). (See table 5.) A similar positive correlation occurred in the reported habits of the faculty when teaching graduate students (as agreement to the library liaison model increased, not integrating library instruction into courses increased). It appears that asking faculty not only if they are aware of the existence of a library liaison to their college/school/division/department, but whether this made a difference in their integrating library instruction into their courses and whether how they involved the library liaison in their curricular planning would produce more insight and is a viable area for future research.

Impact of Library Instruction on Student

# To appraise the impact library instruction had on students' research processes, faculty were asked to report if library instruction improved, made no difference in, or confused their students' understanding of the research process. Three hundred and ninety-three (92.5%;

Research

tion had on students' research processes, faculty were asked to report if library instruction improved, made no difference in, or confused their students' understanding of the research process. Three hundred and ninety-three (92.5%; n = 425) faculty teaching undergraduates responded, with over half (217; 55.2%; n = 393) reporting their students' research processes improved after library instruction. Fifty-three (13.5%; n = 393) reported library instruction made no difference in their students' research processes, and only five (1.3%; n = 393) stated that their students' research processes were confused by library instruction. (See table 4.) For those faculty teaching graduate students, 153 of the 363 faculty (42.1%; n = 363; 85.4%; n = 425) responding to the question stated that library instruction improved their students' research processes, twenty-one (5.8%; n = 363)reported that it made no difference, and only one (.3%; n = 363) said it caused confusion.

A cross-tabulation of this question with the query on the frequency with which faculty made library instruction a regular part of the classes they taught (table 6) found that the greatest number reported library instruction was a part of every class they taught and that it improved their students' research process (40 or 12.5%; n = 320). Responses show that regardless of the frequency with which library instruction was made a regular part of courses, faculty consistently reported that it improved their students' research processes (147, or 45.9%; n = 320).

	= 425		ct LI	Grad			ct LI	Grad		
	duate (Naduate (N	Deviation	Impact LI	Ugrad Grad Ugrad Grad	1.456	an	Impact LI	Ugrad Grad Ugrad Grad	2.62	
	and Gra	Standard Deviation	fodel	Grad	1.329	Mean	<b>Todel</b>	Grad	2.06	
	graduate rgraduate		Lib. Model	$\mathbf{U}$ grad	0.639		Lib. Model	Ugrad	1.32	
	odel: Undertion: Unde	ion	cy/ % N	Grad	217 / 55.2   153 / 42.1	21 / 5.8	1 / 0.3			363
TABLE 4	Library Mo ary Instruc	ary Instruct	Frequency/ % N	Ugrad	217 / 55.2	53 / 13.5 21 / 5.8	5 / 1.3			393
T	Frequency of Faculty Reporting on Knowledge of Library Model: Undergraduate and Graduate $(N = 425)$ Frequency of Faculty Reporting on Impact of Library Instruction: Undergraduate and Graduate $(N = 425)$	Impact of Library Instruction			Improved	Made no difference	Confused			Valid N
	f Faculty Reportin Faculty Reportin	Knowledge of Library Model	Frequency/ % N	Ugrad & Grad	319	52	39			410
	Frequency of Frequency of	Knowledge of			Agree	Disagree	Do not know			Valid N

TABLE 5
Cross-tabulation on Faculty Knowledge of Library Model and Frequency of Library Instruction: Undergraduate and Graduate (N = 425)

Our college/school/division/department has a library liaison who acts as a subject specialist in support of our programs/courses.

			1 1						
		Agree		Disag	gree	Do Not	Know	Valid N	
Liboom		Ugrad	Grad	Ugrad	Grad	Ugrad	Grad	Ugrad	Grad
Library instruction	Every	31	35	2	8		4	33	47
is a regular	Most	47	36	9	7	6	4	62	47
part of the	Some	73	33	7	5	5	3	85	41
courses I teach.	Few	66	38	11	4	6	3	83	45
	None	78	58	18	6	18	11	114	75
	N/A	14	65	2	9	4	7	20	81
	Valid N	309	265	49	39	39	32	397	336

#### Student Research Skills and Practices

Twelve statements were posed to faculty to gather their perceptions of students' skills in the areas of question formulation, critical thinking, information organization, research practices and processes, use of print reference sources, electronic database searching, World Wide Web searching, and information evaluation. (See table 7.)

The predominant response to these statements (33% of all responses) from faculty teaching undergraduates was that some of their students had the abilities and knowledge listed. Interestingly, 148 (35.7%; n = 415) faculty reported that few of their students understood that research is a strategic process and approached it as such. Similarly, 144 (34.8%; n = 414) stated that few of their students knew that research methodologies varied and applied the appropriate method as necessary. These two items correlated significantly: r = .588;  $\varrho = .612$  for undergraduate responses; r = .791;  $\varrho = .702$  for graduate students. A cross-tabulation of the question on students' understanding of research as a strategic process with the question on frequency of library instruction showed that of the 403 (94.8%; n = 425) faculty teaching undergraduates who responded to both statements, the highest number (38; 9.4%; n = 403) stated only some of their students understood research is a strategic process and those thirty-eight faculty did not make library instruction a part of any of the courses they taught. The second highest number, thirty-seven (9.2%; n = 403) stated that few of their students understood that research is a strategic process and library instruction was a regular part of few of their courses. (See table 8.)

Faculty teaching graduate students reported that most of their students possessed the abilities and knowledge questioned (46.2% of all responses). One hundred and ninety-three (65%; n = 297) stated most of their graduate students could conceptualize and formulate good questions. When considering the statements on their students' critical thinking skills and ability to apply analysis and original thought to create new information, 204 (68.2%; n = 299) and 139 (41.9%; n = 332), respectively, responded most (table 7).

#### Information Literacy Assessment

Faculty were presented with a section of the ACRL Task Force on Information Literacy Competency Standards that defines core competencies for information literacy and asked to respond to the statement, "Given these standards, I would say my students are information literate." Faculty then were asked to respond to the statement: "I would categorize the research skills of my students as..." and were given the options of excellent, strong, adequate, poor, n/a, and cannot judge. (See table 9.)

Four hundred and nineteen (98.6%; n = 425) faculty teaching undergraduates responded to the first statement, with only sixteen (3.8%; n = 419) reporting

TABLE 6 Cross-tabulation on Impact of Library Instruction and Frequency of Library Instruction:	Undergraduate and Graduate $(N = 425)$	I have included library instruction in my courses in the past and found it had the following	impact on my students' research process.	Improved Made No Difference Confused N/A Valid N	Ugrad Grad Ugrad Grad Grad Grad Grad Grad Grad Grad G	ary 32 40 2 5 1 1 4 35 49	st 49 38 9 3 2 3 5 63 46	ne 67 35 13 2 1 2 2 83 39	v 48 24 16 6 2 1 15 11 81 42	ne 15 8 12 4 77 50 104 62	A         1         2         1         80         20         82	id N 212 147 53 20 5 1 116 152 386 320
on Impact	O	ncluded lib		Improve			49	29		15	1	
bulation		I have i				Every	Most	Some	Few	None	N/A	Valid N
Cross-ta						LIBIALY	is a regular	part of the	courses 1			

they believed all of their students met the ACRL criteria. The highest number, 177 (42.2%; n = 419), stated that some of their students met the ACRL criteria with nine-ty-eight (23.4%; n = 419) responding that few of their students could be considered information literate according to these standards. Significantly, only three (.7%; n = 419) said none of their undergraduate students were information literate based on these measures.

Similarly, only one faculty member

reported that none of his graduate students could be considered information literate according to these standards (.3%; n = 362). Thirty-three (9.1%; n = 362) reported all of their graduate students met the ACRL standards, with the greatest number, 160 (44.2%; n = 362) stating that most of their students' were information literate according to these standards.

To the second statement on research skills, a total of 417 (98.1%; n = 425) faculty teaching undergraduates responded, with seven (1.7%; n = 417) stating they believed the research skills of their students were excellent and 141 (33.8%; n = 417) stating that they found their students' research skills to be poor. A cross-tabulation of the data on this question with the responses to the frequency of library instruction for undergraduate students showed that of the 406 (95.5%; n = 425) faculty who answered both questions, 136 (33.5%; n = 406) stated their students' research skills were poor and of them 27.9 percent (38; n =136) reported they did not make library instruction a regular part of any of their courses. Only 4.4 percent (6; n = 136) reported they made library instruction a part of every course. (See table 10.)

When asked to characterize the research skills of their graduate students, 371 faculty (87.3%; n =

Faculty Perceptions of Students' Information Literacy Competencies 303													
				7	<b>FABLE</b>	7							
								d Gradu	ate (N	= 425)			
My stuc					nd form		od quest	ions.					
	Valid N	All	Most	Some	Few	None	N/A	Cannot Judge	STD	Mean			
Ugrad	416	2.4%	34.1%	54.1%	9.1%	0.2%	0.0%	0.0%	0.673	2.71			
Grad	297	7.1%	65.0%	25.9%	1.7%	0.3%	0.0%	0.0%	0.612	2.23			
My stud	dents di	splay so	und crit	ical thin	king skil	lls.							
	Valid N	All	Most	Some	Few	None	N/A	Cannot Judge	STD	Mean			
Ugrad	415	1.9%	30.1%	53.3%	14.7%	0.0%	0.0%	0.0%	0.7	2.81			
Grad	299	5.4%	68.2%	24.1%	2.0%	0.3%	0.0%	0.0%	0.591	2.24			
		ply ana	lysis and	l origina	l though	t to exis	ting info	rmation t	o create	new			
informa									~				
	Valid N	All	Most	Some	Few	None	N/A	Cannot Judge	STD	Mean			
Ugrad	418	1.7%	18.2%	47.6%	28.9%	1.4%	0.7%	1.4%	0.927	3.18			
Grad	332	3.3%	41.9%	38.6%	4.2%	0.0%	9.9%	2.1%	1.352	2.94			
My stud		ave an u	nderstar	nding of	how info	rmatior	is prod	uced, orga	nnized,	and			
	Valid N	All	Most	Some	Few	None	N/A	Cannot Judge	STD	Mean			
Ugrad	416	6.7%	31.7%	39.2%	10.20/								
		0.770	31.770	39.2/0	18.3%	1.0%	0.5%	2.6%	1.123	2.87			
Grad	351	10.0%	47.0%	20.8%	4.6%	1.0%	4.0%	0.0%	1.123 1.67	2.87 2.95			
	dents h	10.0% ave an u	47.0%	20.8%	4.6%	13.7%	4.0%		1.67	2.95			
My stud	dents h	10.0% ave an u	47.0%	20.8%	4.6%	13.7%	4.0%	0.0%	1.67	2.95			
My stud	dents ha	10.0% ave an u	47.0% nderstar	20.8%	4.6% how info	13.7% prmation	4.0%	0.0% nized into	1.67 discipli	2.95 nes			
My stuc	dents ha oject fie Valid N	10.0% ave an u lds.	47.0% nderstar Most	20.8% ading of	4.6% how info	13.7% prmation	4.0% is orgai	0.0% nized into Cannot Judge	1.67 discipli	2.95 nes Mean			
My stude and sub-	Valid N 416 351	10.0% ave an u lds. All 4.6% 9.7%	47.0%  nderstar  Most  23.8%  41.0%	20.8% ading of Some 37.3% 24.8%	4.6% how info	13.7% None 1.7% 13.1%	4.0%  N/A  0.5%  6.0%	0.0% nized into  Cannot Judge 7.7%	1.67 discipli STD 1.392 1.729	2.95 ines Mean 3.27			
My stude and sub-	Valid N 416 351	10.0% ave an u lds. All 4.6% 9.7%	47.0%  mderstar  Most  23.8%  41.0%  ad how p	20.8% ading of Some 37.3% 24.8%	4.6% how info	13.7% None 1.7% 13.1%	4.0%  N/A  0.5%  6.0%	0.0% nized into Cannot Judge 7.7% 0.0%	1.67 discipli STD 1.392 1.729 use	2.95 ines Mean 3.27			
My stude and sub-	Valid N 416 351 dents unation.	10.0% ave an u lds. All 4.6% 9.7% anderstan	47.0%  mderstar  Most  23.8%  41.0%  ad how p	20.8% ading of Some 37.3% 24.8% rofession	4.6% how info	13.7%  None  1.7%  13.1%  king in t	4.0% n is organ N/A 0.5% 6.0% their are	0.0% nized into  Cannot Judge 7.7% 0.0% a of study	1.67 discipli STD 1.392 1.729 use	2.95 ines Mean 3.27 3.08			
My stud and sub Ugrad Grad My stud informa	Valid N 416 351 dents unation. Valid N	10.0% ave an u lds. All 4.6% 9.7% nderstan	47.0%  nderstar  Most  23.8%  41.0%  d how p	20.8% ading of Some 37.3% 24.8% rofession Some	4.6% how info Few 24.5% 5.4% nals wor	None 1.7% 13.1% king in t	4.0% n is organ N/A 0.5% 6.0% their are	0.0% nized into  Cannot Judge 7.7% 0.0% a of study  Cannot Judge	1.67 discipli STD 1.392 1.729 use STD	2.95 nes Mean 3.27 3.08			
Ugrad Grad My studinforma  Ugrad Grad Grad	dents had been dents had been dents had been dents unation.  Valid N 416 351 Valid N 416 351 dents co	10.0% ave an u lds.  All  4.6% 9.7% nderstan  All  7.9% 13.4%	47.0% nderstar  Most  23.8% 41.0% ad how p  Most  31.7% 45.9%	20.8% ading of Some 37.3% 24.8% rofession Some 40.1% 20.8%	4.6% how info  Few  24.5% 5.4% mals wor  Few  15.9% 3.4%	13.7% None 1.7% 13.1% king in t  None 1.2% 0.3%	1.0% 1 is organ  N/A  0.5% 6.0% their are  N/A  0.5% 13.7%	0.0% nized into  Cannot Judge 7.7% 0.0% a of study  Cannot Judge 2.6%	1.67 discipli STD 1.392 1.729 use STD 1.132 1.63	2.95 Mean  3.27  3.08  Mean  2.83  2.83			
Ugrad Grad Ugrad Grad My stud informa  Ugrad Grad My stud	dents had been dents had been dents had been dents unation.  Valid N 416 351 Valid N 416 351 dents co	10.0% ave an u lds.  All  4.6% 9.7% nderstan  All  7.9% 13.4%	47.0% nderstar  Most  23.8% 41.0% ad how p  Most  31.7% 45.9%	20.8% ading of Some 37.3% 24.8% rofession Some 40.1% 20.8%	4.6% how info  Few  24.5% 5.4% mals wor  Few  15.9% 3.4%	13.7% None 1.7% 13.1% king in t  None 1.2% 0.3%	1.0% 1 is organ  N/A  0.5% 6.0% their are  N/A  0.5% 13.7%	0.0% nized into  Cannot Judge 7.7% 0.0% a of study  Cannot Judge 2.6% 2.6%	1.67 discipli STD 1.392 1.729 use STD 1.132 1.63	2.95 Mean  3.27  3.08  Mean  2.83  2.83			
Ugrad Grad Ugrad Grad My stud informa  Ugrad Grad My stud	Valid N 416 351 dents unation. Valid N 416 351 dents Collidents Co	10.0% ave an u lds.  All  4.6% 9.7% nderstan  All  7.9% 13.4% onfer with	47.0%  nderstar  Most  23.8%  41.0%  d how p  Most  31.7%  45.9%  th facult;	20.8% ading of Some 37.3% 24.8% rofession Some 40.1% 20.8% y to iden	4.6% how info  Few  24.5% 5.4% nals wor  Few  15.9% 3.4% tify info	13.7% None 1.7% 13.1% king in t None 1.2% 0.3% rmation	1.0% 1 is organ 1.0% 1.0.5% 1.0.5% 1.0.5% 1.0.5% 1.0.5% 1.0.5% 1.0.5% 1.0.5% 1.0.5% 1.0.5% 1.0.5%	0.0% nized into  Cannot Judge 7.7% 0.0% a of study  Cannot Judge 2.6% 2.6% es and pro	1.67 discipli STD 1.392 1.729 use STD 1.132 1.63	2.95 Mean 3.27 3.08  Mean 2.83 2.83 used in			

TABLE 7
Student Research Skills and Practices: Undergraduate and Graduate (N = 425)

My students understand that research is a strategic process and approach it as such.

	Valid N	All	Most	Some	Few	None	N/A	Cannot Judge	STD	Mean
Ugrad	415	4.3%	21.4%	28.9%	35.7%	3.1%	1.0%	5.5%	1.308	3.37
Grad	348	11.5%	36.8%	29.0%	3.4%	0.6%	13.5%	5.2%	1.713	3.06

My students know that research methodologies vary and apply the appropriate method as necessary.

	Valid N	All	Most	Some	Few	None	N/A	Cannot Judge	STD	Mean
Ugrad	414	2.9%	14.3%	33.6%	34.8%	4.8%	2.9%	6.8%	1.336	3.6
Grad	351	12.3%	38.2%	26.8%	4.0%	0.9%	14.0%	4.0%	1.688	3.01

My students know where to find data and information in traditional print reference resources.

	Valid N	All	Most	Some	Few	None	N/A	Cannot Judge	STD	Mean
Ugrad	417	2.9%	29.7%	39.8%	21.3%	2.2%	1.0%	3.1%	1.139	3.06
Grad	352	9.7%	42.9%	25.9%	5.4%	0.3%	13.6%	2.3%	1.573	2.94

My students know how to find data and information in electronic databases and on the World Wide Web.

	Valid N	All	Most	Some	Few	None	N/A	Cannot Judge	STD	Mean
Ugrad	417	15.8%	53.5%	23.3%	5.8%	0.0%	0.5%	1.2%	0.963	2.27
Grad	352	24.1%	50.3%	9.1%	1.7%	0.0%	13.4%	1.4%	1.631	2.49

My students are able to apply evaluative criteria to, and select quality information from, the World Wide Web.

	Valid	All	Most	Some	Few	None	N/A	Cannot	STD	Mean
	N							Judge		
Ugrad	417	3.1%	22.3%	45.8%	23.3%	2.6%	0.7%	2.2%	1.043	3.11
Grad	352	5.1%	41.8%	33.0%	4.0%	13.6%	2.6%	0.0%	1.518	3.03

My students can discriminate between scholarly and nonscholarly information resources.

	Valid N	All	Most	Some	Few	None	N/A	Cannot Judge	STD	Mean
Ugrad	417	3.8%	16.3%	37.6%	32.9%	4.8%	1.2%	3.4%	1.166	3.35
Grad	351	15.4%	46.2%	18.5%	2.3%	0.0%	14.0%	3.7%	1.71	2.82

425) responded, with thirty-four (9.2%; n = 371) stating their students' research skills were excellent. The greatest number of faculty reported their graduate students' research skills were adequate (122; 32.9%; n = 371). A similar cross-tabulation was done on the responses to this statement

and the report on the frequency of library instruction for faculty teaching graduate students. It was found that faculty who reported their students' skills to be adequate made library instruction a regular part of their courses to some degree more frequently than those faculty members

(30)	raduate $(N = 425)$		d N	Grad	49	48	41	45	74	61	318
1			N pilaV	Ugrad	35	63	98	84	117	18	403
200			Cannot Judge	Grad	2	1	2	1	9	4	16
Pue	e and		Cannot	Ugrad	4	2	_	∞	9	1	22
on Position	graduai	as such.	Y.	Grad					1	38	39
Tindow	Underg	roach it	N/A	Grad Ugrad					2	2	4
	uction:	My students understand that research is a strategic process and approach it as such	ne	Grad					1		1
	lent Understanding Research Process and Library Instruction: Undergraduate and Graduate $(N = 425)$		None	Ugrad		2	3	3	4		12
<b>8</b>			W	Grad	3	2	_	3	2		11
TABLE 8			Few	Ugrad	9	24	34	37	36	5	142
			ne	Grad	15	15	19	16	23	7	95
0,000			Some	Grad Ugrad	10	20	28	20	38	3	119
d Sails			ost	Grad	21	27	15	21	29	9	119
2000	uerstar		Most	Ugrad	6	12	18	12	29	9	98
11 2	ent On		11	Grad	8	3	4	4	12	9	37
Ctria	Cross-tabulation on Stude		A	Ugrad	9	3	2	4	2	1	18
0 4000					Every	Most	Some	Few	None	N/A	Valid N
404				Library	instruction is a regular	part of the	courses I	teach.			

who estimated their students' research skills otherwise. (See table 11.)

To assess whether faculty members' concepts of excellent research skills were in line with the core competencies of information literacy as articulated by the ACRL standards, correlations were generated on these two variables that were significant: r - .666;  $\varrho$  = .684 for undergraduate scores; r - .882;  $\varrho$  = .808 for graduate scores. A cross-tabulation of the two statements was done showing that four of the seven faculty teaching undergraduates (57%) who categorized the research skills of their students as excellent also stated their students met all of the ACRL criteria for information literacy. Fifty-two who reported their students' research skills were strong said they met most of the ACRL criteria.

For graduate students, thirteen of the thirty-two faculty members (40.6%) who stated their students' research skills were excellent also reported they met all the ACRL base competencies. The highest numbers in the excellent and strong categories for graduate students' research skills, seventeen and eightyfour, respectively, were from faculty who stated their students met most of the ACRL criteria. Given that for all faculty responding to these statements roughly 75 percent stated that strong research skills met most of the ACRL criteria, one could infer that the ACRL definition satisfied some faculties' concepts of excellent research skills, but this should be clarified by more specific questioning and, again, presents an area for further research. (See table 12.)

#### Discussion

The purpose of this study was to assess the perceptions that faculty teaching in journalism and mass communication programs accredited by the ACEJMC have of their students' information literacy skills and to ascertain the frequency and impact of library instruction on their students' research. Analysis of the data has revealed some

Freq	TABLE 9 Frequency of Faculty Reporting on Info. Lit. Competency and Research Skills: Undergraduate and Graduate (N = 425)											
	o. Literac mpetency	-	Rese	earch Ski	lls	Standard Deviation						
	Frequency / % No.			Frequency/ % No.		Info. Comp		Res. Skills				
	Ugrad	Grad		Ugrad	Grad	Ugrad	Grad	Ugrad	Grad			
All	16 / 3.8	33 / 9.1	Excellent	7 / 1.7	34 / 9.2	.985	1.709	.797	1.352			
Most	116 / 27.7	160 / 44.2	Strong	69 / 16.5	114 / 30.7							
Some	177 / 42.2	85 / 23.5	Adequate	194 / 46.5	122 / 32.9		Me	ean				
Few	98 / 23.4	8 / 2.2	Poor	141 / 33.8	24 / 6.5	Info. Comp		Res. Skills				
None	3 / .7	1 / .3	N/A	3 / .7	58 / 15.6	Ugrad	Grad	Ugrad	Grad			
N/A	4 / 1	64 / 7.7	Cannot Judge	3 / .7	19 / 5.1	2.97	3.06	3.18	3.04			
Cannot Judge	5 / 1.2	11 / 3										

417

371

interesting results that warrant closer examination.

362

Valid N

419

Valid N

- The most frequent response to the question, "Assignments requiring library research are a regular part of the courses I teach," was "every," whereas the most frequent response to the question, "Library instruction is a regular part of the courses I teach," was "none," from faculty teaching both undergraduate and graduate students. (See table 2.)
- The greatest number of faculty reporting they knew their library had in place a model for specialized curricular support were those faculty who reported they did not make library instruction a regular part of "any" of their courses. (This is true for faculty teaching both undergraduate and graduate students.) (See table 5.)
- The most frequent response to the statement, "I have included library instruction in my courses in the past and

found it improved/made no difference/confused my students' understanding of the research process," was "improved" for faculty teaching both undergraduate and graduate students. (See table 4.)

- Only four faculty (.96%; n = 416) teaching undergraduates characterized their students as meeting all of the ACRL standards for being information literate and as having "excellent" research skills. Thirteen faculty (3.63%; N=358) teaching graduate students characterized their students the same way. (See Table 12.)
- The percentage of faculty reporting "all" of their students could be characterized by the statements on research skills and practices (table 7) was never higher than 10 percent for undergraduate students (except in the case of ability to find information in electronic databases and on the Web, for which it was 15.8%) and 15 percent for graduate students (again, except in the case of ability to find infor-

# Faculty Perceptions of Students' Information Literacy Competencies 307

		Valid N	Ugrad Grad	49	. 46	42	44	73	81	335
		Va	Ugrad	35	64	87	85	115	20	406
20 × 10 × 10 × 10 × 10 × 10 × 10 × 10 ×		Cannot Judge	Grad					2	15	17
duoto	inuair.	Cannot	Ugrad					2	1	3
and Cr	its as:	(A	Grad						47	47
roduoto	ny studen	N/A	Ugrad						3	3
TABLE 10 $ ext{Cross tohulotion on Bosoorch Spills and I ihraw Instruction. Undergodusts and Craduats (N=425)$	I would categorize the research skills of my students as:	W	Grad	4	3	3	3	6		22
10	esearch	Few	Ugrad	9	18	35	37	38	2	136
TABLE 10	rize the r	ne	Grad	20	22	18	20	24	9	110
ordi I br	d catego	Some	Ugrad	13	38	42	38	50	8	189
Clyille or	I woul	st	Grad	20	19	18	18	26	8	109
qoaecoo	Caran	Most	Ugrad	14	9	10	∞	24	9	89
O no no			Grad	5	2	3	3	12	5	30
tohuloti	ranaiari	A	Ugrad	2	2		2	П		7
	(1033			Every	Most	Some	Few	None	N/A	Valid N
			Library	instruction is a regular	part of the	courses I	teach.			

			Z	Grad	48	46	42	42	72	80	330
	125)		Valid N	Ugrad Grad	35	64	87	84	117	20	407
	e (N = 2		Cannot Judge						3	7	10
	raduat	e.	Cannot	Ugrad	1				4		5
	and C	literat	A	Grad						54	54
	aduate	rmation	N/A	Ugrad						4	4
	ndergi	ıre info	ıe	Grad						1	1
	tion: U	udents a	None	Ugrad			1		2		3
	nstruc	y my st	W	Grad		1		2	3	1	7
TABLE 11	brary I	Given these standards, I would say my students are information literate.	Few	Ugrad	5	14	23	21	30	2	95
TA	and Li		ue	Grad	18	11	16	12	22	2	81
	etency		Some	Ugrad	12	32	39	42	42	5	172
	Comp	en thes	st	Grad	23	31	23	26	35	10	148
	on Info. Literacy Competency and Library Instruction: Undergraduate and Graduate $(N=425)$	Giv	Most	Ugrad   Grad   Grad	14	14	23	19	35	8	113
	Info. L		=	Grad	7	3	3	2	6	5	29
Cross-tabulation on I1			IIV	Ugrad	3	7	1	7	4	1	15
				Every	Most	Some	Few	None	N/A	Valid N	
	Cross	Library instruction is a regular part of the courses I teach.									

= 425)		N E	Grad	33	160	85	8	1	61	10	358
		Valid N	Ugrad	16	115	177	76	3	4	4	416
		Cannot Judge	Grad						11	7	18
uate (N		Cannot	Ugrad Grad			1			1	1	3
d Grad	s as:	A	Grad		1			1	50	1	53
uate and	students	N/A	Ugrad Grad						3		3
ergrad	ls of my	ır	Grad		2	17	3			2	24
ls: Und	I would categorize the research skills of my students as:	Poor	Ugrad		3	09	74	2		1	140
TABLE 12 tesearch Skil		uate		2	99	58	5				121
TABI Resear		Adequate	Ugrad Grad	3	57	108	23	1		2	194
np. and		ng		18	84	8					110
асу Сог		Strong	Ugrad Grad	6	52	8					69
o. Liter		llent		13	17	2					32
tion Inf		Excellent	Ugrad Grad	4	3						7
Cross-tabula				All	Most	Some	Few	None	N/A	Cannot Judge	Valid N
			Given these	standards, 1 would say my	students are	information	literate.				

mation in electronic databases and on the Web, for which it was 24.1%).

These outcomes present a picture that raises several questions or perhaps just one big one: Given that faculty make assignments that require library research a regular part of their courses, know that library instruction improves students' research skills, see that their students are not as information literate as they could be, recognize that their students have research skills and practices that need improvement, and understand that their university library is structured to provide specialized research instruction, why is library instruction not integrated in a consistent and intentional manner into the courses being taught in these JMC programs at a greater rate?

Integration of information literacy education into a curriculum is "most successful when strategies are developed within the philosophy of academic administrations—information literacy should be a part of the academic mandate of the institution."9 A variety of factors drive institutional and curricular change; one among them is accreditation. Regional accreditation commissions for higher education across the country are stating unambiguously that students should be "required" to use library and information resources or that the university/college "ensures that users have access to regular and timely instruction in the use of the library and other learning/information resources."10 The strongest advocate of information literacy has been the Middle States Commission on Higher Education, whose definition of information literacy strikingly parallels that of ACRL:

[information literacy is] an intellectual framework for identifying, finding, understanding, evaluating and using information. It includes determining the nature and extent of needed information; accessing information effectively and efficiently; evaluating critically information and its sources; incorporating selected information in the learner's knowledge base and value system; using information effectively to accomplish a specific purpose; understanding the economic, legal and social issues surrounding the use of information and information technology; and observing laws, regulations, and institutional policies related to the access and use of information.11

In 2003, Middle States published Developing Research & Communication Skills: Guidelines for Information Literacy in the Curriculum, providing strategies upon which institutions may plan a course of action for integration of information literacy across the curriculum. Driving change on the programmatic level for JMC curricula, the ACEJMC states in standard 2 of its Standards of Accreditation that the educational unit must provide "a curriculum and instruction that enable students to learn the knowledge, competencies and values the Council defines for preparing students to work in diverse global and domestic society."12 Two of the competencies delineated are the ability to "think critically, creatively and independently" and "conduct research and evaluate information by methods appropriate to the communications professions in which they work."13 The ACRL standards provide a framework within which librarians and JMC faculty can work together to further refine a vision of an information-literate JMC student and build a curriculum within which information literacy education is fundamental.

#### Conclusion

In her 1996 report, "Winds of Change: Challenges Confronting Journalism Education," Betty Medsger stated:

Be it heavy and important or light and easy, [journalism] is an intellectual process. Whether executed masterfully or superficially or shoddily, it is, nevertheless, a process of critical thinking and decision-making. The well-trained journalist's mind inquires, weaves, thinks again, unravels, asks again, corrects, goes back again, weaves again.... Students enter the journalism classroom often looking for a formula. Instead, they are asked to think—carefully, critically, precisely-and to do so beyond their own interests, to think of the public's interests and needs.14

JMC faculty and librarians are obligated to train JMC students to be information literate. Mandates emanate from professional associations and accrediting agencies, but it is not only these directives that compel them. It is the "goodness of fit" of information literacy skills with the professional expertise anticipated of JMC students that makes for a complimentary relationship, the development of which is the responsibility of institution administrations, JMC faculty and librarians, and that promises a better-educated student and informed citizenry.

#### **Notes**

<sup>1.</sup> Accrediting Council on Education in Journalism and Mass Communications, *ACEJMC Standards of Accreditation* (Sept. 2003). Available online from http://www.ukans.edu/~acejmc/BREAKING/New\_standards\_9-03.pdf [cited 6 May 2004].

<sup>2.</sup> Ibid., 9.

<sup>3.</sup> Project on the Future of Journalism and Mass Communication Education, *Planning for Curricular Change: A Report of the Project on the Future of Journalism and Mass Communication Education*, 2nd ed. (Eugene: University of Oregon, School of Journalism, 1987), 51.

- 4. Betty Medsger, Winds of Change: Challenges Confronting Journalism Education (Arlington, Va.: The Freedom Forum, 1996), 11–12.
- 5. Ann Grafstein, "A Discipline-based Approach to Information Literacy," *Journal of Academic Librarianship* 28, no. 4 (2002): 197.
- 6. Association of College and Research Libraries, *Information Literacy Competency Standards for Higher Education* (Chicago: ACRL), 2–3.
  - 7. Ibid., 3.
  - 8. Ibid.
- 9. Deborah V. Dolan and Georgina Martorella, "Discipline-based Information Literacy and the Lifelong Learner," *International Journal of Learning* 10 (2003): 1330.
- 10. Gary B. Thompson, "Information Literacy Accreditation Mandates: What They Mean for Faculty and Librarians," *Library Trends* 51 (fall 2002): 221.
- 11. Middle States Commission on Higher Education, Developing Research & Communication Skills: Guidelines for Information Literacy in the Curriculum (Philadelphia: MSCHE, 2003), 1.
- 12. Accrediting Council on Education in Journalism and Mass Communications, ACEJMC Standards of Accreditation.
  - 13. Ibid.
  - 14. Medsger, Winds of Change, 9.

# News & Notes on Haworth Library & Information Science Journals

- Announcing new journal editors
- Announcing new journals off press
- Complimentary sample copies available

# The Acquisitions Librarian™

Interine Editor: Sul H. Lee, Dean of University Libraries, The University of Oldahoma, Norman Founding Editor: Bill Katz (deceased), Professor, School of Information Science and Policy, Nelson A. Rockefeller College of Public Affairs, State University of New York at Albany

# College & Undergraduate Libraries™

Under new editorship beginning with Vol. 13, Spring 2006 Editor-Elect: Christopher Millson-Martula, Director of the Library, Lynchburg College, Lynchburg, Mirginia

# Internet Reference Services Quarterly™

a journal of innovative information practice, technologies, and resources Under new editorship beginning with Vol. 11 (1), Spring 2006 Editor-Elect: Christopher N. Cox, Assistant Professor, University of Wisconsin, Eau Claire

## Journal of Access Services™

Innovations for Electronic and Digital Library and Information Resources Under new editor ship beginning with Vol. 3 (1), Spring 2005 Editor: David Pena, PhD, Head of Access Services, Florida Atlantic University, Boca Raton, Florida

# Journal of Business

# & Finance Librarianship™

Under new editorship beginning with Vol. 12 (1), Fall 2006 Editor-Elect: Gary W. White, MLS, MBA, Head, Schreyer Business Library, The Pennsylvania State University, University Park

# Journal of Consumer Health

#### on the Internet™

Under sale aditorship beginning with Vol. 10(1), Spring 2006 Editor: M. Sandra Wood, MLS, MBA, AHIP, FMLA, Librarian, Reference and Database Services, The George T. Harrell Library, The Milton S. Hershey Medical Center, The Pennsylvania State University, Hershey

- To contact journal editors, go to www.HaworthPress.com/journals/jechs-arch.asp
- To request sample copies of journals, e-mail. orders@t-taworthPress.com or find the journal in our QuickSearch online catalog and order a complimentary sample copy
- Online access is available with print subscription.
- To receive our table-of-contents e-mail service. (complete with abstracts), go to www.HaworthPress.com/TO/C

# Journal of Electronic

## Resources in Medical Libraries™

Editor: M. Sandra Wood, MLS, MBA, AHIP, FMLA, Librarian, Reference and Database Services, George T. Harrell Library, The Milton S. Hershey Medical Center, The Pennsylvania State University, Hershey

New Co-Editor beginning with Vol. 3(1), Spring 2006 Co-Editor: Elizabeth Cornor, MLS, AHP, Assistant Professor of Library Science, The Citadel, Daniel Library, Charleston, South Carolina

## The Reference Librarian™

Interim Editor: Sul H. Lee, Dean of University Libraries, The University of Oldahoma, Norman Former Editor: Bill Katz ideceased), Professor, School of Information Science and Policy, Nelson A. Rockefeller. College of Public Affairs, State University of New York: at Albany

#### FORTH COMING JOURNALS

# lournal of Electronic



# Resources in Law Libraries™

Editor: Jeanne Prazier Price, JD, MLS, Director of Instructional Services, Tartion Law Library, The University of Texas: School of Law, Austin First Issue Available Spring 2006

# Journal of the

### Internet in Technical Services

Editor: Martha Hrusla, MLS, Director, Technology Services Division, Geome A. Smathers Libraries, University of Florida. Caineville

First Issue Available Spring 2006

### Library & Information Professionals:

Visit Haworth's Web site for librarians only to read columns on important library and information science topics.

www.HaworthPress.com/library/columns.asp Selected columns from Haworth's professional journals appear, such as "The Serials Report," a regular column from The Serials Librarian by Beatrice L. Caraway.

You'll also find a column written especially for the Web site: "Skywritings: Scholarly and Leisurely," an occasional column by archivargelist Stevan Hamad, Canada Research Chair in Cognitive Sciences at the Université du Québec à Montréal.



PADOS