

Task Force on Scholarly Communications Appendices

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Appendix 1. Library repository.

The OSU Institutional Repository: What is it and why should you care?

The OSU Community constantly develops electronic resources, and needs a means to appropriately archive and distribute many of them. We need a virtual environment for this digital output that begins to address the challenges of digital archiving while increasing awareness of the OSU community's creative and scholarly work. The OSU Libraries have installed DSpace, an institutional repository (IR) software program developed by MIT and Hewlett-Packard, to start addressing our need to capture, store and provide access to OSU digital content.

The OSU IR is a platform that can store and retrieve digital information including:

- Conference papers
- Datasets
- Theses and dissertations
- Technical reports
- Journal articles & pre-prints
- Course material
- Presentations
- Images

The OSU IR organizes the resources by communities of OSU faculty members, staff and students. These can be departments, programs, research groups, etc. You can use it to:

- Capture, store, index and preserve your intellectual output;
- Redistribute your work according to your wishes;
- Insure longevity of your stored files;
- Relieve yourself of the responsibility for maintaining your digital publications.

Guidelines for the content of the OSU IR reflect practicalities and possibilities:

- The work must be produced, submitted or sponsored by OSU faculty.
- The work must be in digital form. In some situations, the OSU Libraries may assist in the conversion of material into digital form.
- The work must fall within the vision of the OSU IR:
As one tool in the OSU Libraries' suite of digital library tools, the OSU's Institutional Repository will provide a reliable means for faculty members to store and access their research and teaching output, for students to do the same with their research, and for the institution to maintain its historical record.
- The author/sponsor of each work must be willing and able to grant to OSU the non-exclusive right to preserve the work and distribute it according to agreed limits and mechanisms.

If you are interested in more information or in submitting to the OSU IR, please contact:

Janet Webster, OSU IR Project Leader

OSU Libraries

janet.webster@oregonstate.edu

541-867-0108 or 70108 on campus

<https://ir.library.oregonstate.edu/>

Appendix 2. Review of Journals Used for Department of Chemistry Publications.

(Rich I lost the formatting when converting from power point. This needs to be fixed. Also Bonnie had suggested changes for clarifying when you use Library data versus Chemistry data.)

Journal Costs

- *OSU Library Journal Budget: \$3,200,000*
- *Total Number of Journal Titles at OSU (Including Electronic): 20,000*
- *% Increase in Journal Cost in research libraries 1986-2002: 227%*
- *% Increase in Consumer Price Index 1986-2002: 57%*
- *% Annual Increase in Journal Cost During 1990's: 12%*

For Profit Publishers vs. Society Publishers

Two Examples:

Elsevier Limited

- *Publishes approximately 1,400 Titles*

OSU Subscribes to Approximately 400 Elsevier Titles

Cost of 400 Elsevier Titles: \$800,000 (1/4 Library's Journal Budget)

John Wiley & Sons

Publishes approximately 400 Titles

OSU Subscribes to Approximately 185 Titles (Electronically)

Cost of 185 Wiley Titles: \$225,000 (per year, 3 year deal)

What We are Missing

Two Examples:

Complete Royal Chemical Society Electronic Archive:

\$40,000 (Plus \$800 Yearly Fee)

Belstein Crossfire Search Engine:

\$22,000 For Single Site License

2005 Pricing For Selected Chemistry Titles

	Cost	Publisher	Type	2003 Impact Factor
General Chemistry Journals				
Angewandte Chemie International	\$4,498	Wiley	For Profit	8.427
Chemical Communications	\$1,725	RSC	Society	4.031
J. Am. Chem. Soc.	\$3,165	ACS	Society	6.516
Science	\$565	AAAS	Society	29.162
Analytical/Environmental Focused Journals				
Analytical Chemistry	\$1,374	ACS	Society	5.25
Environmental Science & Technology	\$1,507	ACS	Society	3.592
Journal of Separation Science	\$1,332	Wiley	For Profit	
Journal of Chromatography A	\$12,992	<i>Elsevier Limited</i>	<i>For Profit</i>	2.922
Journal of Electron Spectroscopy and Related Phenomena	\$3,787	<i>Elsevier Limited</i>	<i>For Profit</i>	1.237
Journal of Molecular Spectroscopy	\$3,093	<i>Elsevier Limited</i>	<i>For Profit</i>	1.395
Biochemistry Focused Journals				
Journal of Biological Chemistry	\$2,183	ASBMB	Society	6.482
Biochemistry	\$3,182	ACS	Society	3.922
Journal of Natural Products	\$758	ACS	Society	1.849
Protein Science	\$1,195	CSH Press	Society	3.787
Materials/Physical Focused Journals				
Chemistry of Materials	\$1,394	ACS	Society	4.374
Journal of Solid State Chemistry	\$4,104	<i>Elsevier Limited</i>	<i>For Profit</i>	1.413
Mater. Res. Bull.	\$2,328	<i>Elsevier Limited</i>	<i>For Profit</i>	1.144
Solid State Sciences	\$939	<i>Elsevier Limited</i>	<i>For Profit</i>	1.327
Chem. Phys. Lett.	\$12,367	<i>Elsevier Limited</i>	<i>For Profit</i>	2.438
Journal of Applied Physics	\$4,060	AIP	Society	2.171

J. Chem. Phys.	\$5,785	AIP	Society	2.95
Phys. Rev. B: Condens. Matter Mater. Phys.	\$5,930	AIP	Society	2.962
Physical Review C	\$1,255	AIP	Society	2.708
Organic Focused Journals				
Journal of Organic Chemistry	\$2,139	ACS	Society	3.297
Organic Letters	\$3,361	ACS	Society	4.092
Organic and Biomolecular Chemistry	\$3,960	RSC	Society	NEW JOURNAL
Organometallics	\$2,454	ACS	Society	3.375
Synthesis	\$1,603	Thieme	For Profit	2.074
Synlett	\$1,177	Thieme	For Profit	2.741
Tetrahedron	\$15,920	<i>Elsevier Limited</i>	<i>For Profit</i>	2.641
Tetrahedron Letters	\$11,595	<i>Elsevier Limited</i>	<i>For Profit</i>	2.326
<i>Total Cost</i>	<u>\$121,727</u>			
<i>Average Cost</i>	\$3,927			
		Number of Titles	Cost Per Title	Total Cost
<i>Elsevier Titles at OSU</i>		400	\$2,000	\$800,000
Total Journal Titles		20,000	\$160	\$3,200,000

Appendix 3. Review of journals used for COAS publications.

The Task Force analyzed subscription costs for journals most often used by faculty from three OSU units (Chemistry, COAS, and Human Development and Family Sciences). For the period from 1994-2003 COAS faculty published most frequently in 42 journals. These included 20 commercial publishers, 20 professional journals, and *Science* and *Nature* that were put in a separate category. The resulting data base was used for a cost comparison for print subscriptions and evaluation of differences in impact factor. Costs for electronic subscriptions are even more convoluted (time period covered by electronic versions, permanent archiving, bundling of less important journals, etc.). Neither electronic subscriptions nor author costs (page charges and reprint costs) are covered here.

The collective cost to the library for these journals in 2004 was \$73,812. Commercial journals cost on average \$0.98 per page. Professional journals cost on average \$0.39 per page. Publication costs are similar for these journals so the difference in price per page reflects the larger net profit that commercial publishers are collecting for their products. *Science* and *Nature* cost only \$0.15 per page, but these two journals bring in a substantial amount of their revenue from advertisement.

Science and *Nature* are popular publishing venues due to their extremely high impact factors (mean = 30.38). *Science* is published by AAAS (a professional society) and *Nature* is published by the Nature Publishing Group (a commercial publisher). COAS authors published 33 papers in these two journals between 1994-2003. This represents 4% of the articles included in the data base.

The average impact factor for the other commercial journals was 1.796. The average impact factor for the professional society journals was 2.580. This indicates that the professional journals not only cost less per page (for library subscriptions) but also represent a significantly higher quality of scientific publication. COAS authors published 484 articles in professional society journals between 1994-2003. This represents 62% of the articles included in the data base.

The Task Force encourages faculty to publish in professional rather than commercial journals when they have a choice. We also encourage faculty to review for professional and to decline to review papers for commercial journals. Continued support of the professional society journals will help promote the sustainable pricing of scholarly publications for academic institutions.

COAS Journal name	Library Cost	Publisher	2003 IF	(94-03)		Cost Per Page
				2004 Pages Per Year	Times Published	
Commercial Journals						
Appl. Geochem.	\$1,140	Elsevier	1.804	1995	13	\$0.57
Atmosph. Environ.	\$5,707	Elsevier		7121	6	\$0.80
Chem. Geol.	\$3,817	Elsevier	2.330	4059	13	\$0.94
Cont. Shelf Res.	\$2,130	Elsevier	1.191	2551	11	\$0.84
Deep Sea Res. I	\$2,449	Elsevier		2169	19	\$1.13
Deep Sea Res. II	\$4,950	Elsevier		3101	37	\$1.60
Earth Planet. Sci. Lett.	\$3,774	Elsevier		6859	25	\$0.55
Fuel	\$2,910	Elsevier	1.167	2443	5	\$1.19
Geochim. Cosmochim. Acta	\$2,673	Elsevier		5204	23	\$0.51
J. Mar. Systems	\$2,319	Elsevier		2343	6	\$0.99
Mar. Chem.	\$2,143	Elsevier	2.555	2044	8	\$1.05
Marine Geology	\$3,738	Elsevier		3689	7	\$1.01
Org. Geochem.	\$3,028	Elsevier	1.712	1634	23	\$1.85
Progress in Oceanography	\$2,518	Elsevier		1166	15	\$2.16
J. Fluid Mech.	\$2,303	Cambridge Univ.	1.811	9284	6	\$0.25
Mar. Ecol. Prog. Ser.	\$4,691	InterResearch		5809	16	\$0.81
Boundary-Layer Meteorology	\$2,222	Kluwer		2218	13	\$1.00
Origins life Evolution Biosphere	\$598	Kluwer		346	5	\$1.73
J. Petrology	\$1,159	Oxford Univ.		2612	5	\$0.44
J. Plank. Res.	\$452	Oxford Univ.		1566	7	\$0.29
	\$54,720		1.796		263	\$0.99 Cost/Page
PROFESSIONAL SOCIETIES						
Environ. Sci. Technol.	\$1,507	ACS	3.592	1200	20	\$1.26
Geochem. Geophys. Geosystems	\$585	AGU		2885	8	\$0.20
Geophys. Res. Lett.	\$1,593	AGU	2.422	6520	40	\$0.24
Global Biogeochem. Cycles	\$596	AGU	2.338	1992	6	\$0.30
J. Geophys. Res.	\$6,782	AGU	2.992	31688	171	\$0.21
Paleoceanography	\$426	AGU	3.043	1440	22	\$0.30
J. Atmos. Ocean. Tech.	\$349	AMS	1.637	1945	29	\$0.18
J. Atmos. Sci.	\$730	AMS	2.641	3133	19	\$0.23
J. Climate.	\$622	AMS	3.617	4909	8	\$0.13
J. Phys. Oceanogr.	\$545	AMS	2.209	2856	62	\$0.19
Mon. Wea. Rev.	\$680	AMS		3077	17	\$0.22
Shore & Beach	\$51	ASBPA		164	9	\$0.31 estimated
Limnol. Oceanogr.	\$416	ASLO	3.329	2316	21	\$0.18
J. Coastal Res.	\$190	CERF	0.077	1252	9	\$0.15
IEEE Geosci.Remote Sensing	\$590	GRSS		2892	5	\$0.20
Geology	\$539	GSA	3.065	1072	11	\$0.50
Microb. Ecol.	\$1,015	ISME		1051	5	\$0.97
Applied Optics	\$2,754	OSA		6687	10	\$0.41
Mar. Mam. Sci.	\$123	SMM		900	5	\$0.14
Oceanography	\$810	TOS		552	7	\$1.47
	\$20,903		2.580		484	\$0.39 Cost/Page
Nature	\$1,292	Nature	30.979	5908	16	\$0.22
Science	\$635	AAAS	29.781	8428	17	\$0.08
	\$1,927		30.380			\$0.15 Cost/Page

**Appendix 4. Review of journals used for Department of Human Development
and Family Sciences**



**DEPARTMENT OF HUMAN DEVELOPMENT
AND FAMILY SCIENCES
OREGON STATE
UNIVERSITY**

To: HDFS Colleagues

From: Alexis Walker, Member
Faculty Senate Task Force on Scholarly Communication

About: HDFS Journals, Cost to Libraries, and the Need for Change

Date: April 4, 2005

As a member of the Faculty Senate Task Force on Scholarly Communication, I've had the opportunity to learn about the various ways in which our published research is accessible—and not accessible—to OSU and to the general academic community. I've also learned about changes in publishing practices that have made it increasingly difficult for academic libraries to maintain and to acquire subscriptions to the now exploding number of academic journals. The Task Force will argue that researchers need to change their practices for scholarly journals to continue to be widely available and accessible.

Attached are three tables listing journals in which HDFS faculty have published in recent years. Table 1 includes those journals published by scholarly societies. The mean cost to OSU library of these journals in 2003 was \$255.11, but the variance is quite large, with subscription rates ranging from less than \$68 to more than \$566. The impact factor appears to increase with the cost, but the relationship is not linear.

Table 2 includes those journals published by scholarly societies in association with for-profit publishers. Here, the average cost to the library is considerably higher: \$456.30. The range is larger as well, from \$62 to nearly \$1,000. Impact factor has no association with cost: The two journals with the highest impact factors are in the middle range (\$420.25 and \$434.00).

Table 3 includes those journals published by for-profit publishers. The average cost is the highest of all three groups: \$805.67. The range is astounding, from \$374.01 to \$1,622.42. Two of the journals that cost the most are not even ranked! Clearly, impact factor is unrelated to the cost to the OSU library.

These data should help faculty in HDFS to implement the recommendations of the Task Force:

1. As editors, editorial board members, and executive officers of scholarly societies, encourage societies to continue to self-publish journals or to publish in association with not-for-profit publishers.
2. As authors, submit your work to society journals rather than to for-profit journals.
3. Review for journals published by scholarly societies and refuse to review papers for high-priced commercial journals.

Table 1. Journals Published by Scholarly Societies

Journals in Which HDFS Faculty Publish	Publisher	2003 Cost	2003 Impact Factor
<i>Zero to Three</i>	National Center for Infant, Toddlers and Families	\$67.82	--
<i>Fathering</i>	Men's Studies Press	\$150.00	--
<i>Child Welfare</i>	Child Welfare League of America Inc	\$154.13	0.474
<i>The Gerontologist</i>	Gerontological Society of America	\$231.19	1.948
<i>Journals of Gerontology Series B- Psychological Sciences and Social Sciences</i>	Gerontological Society of America	\$280.51	2.064
<i>Psychology and Aging</i>	American Psychological Association	\$334.97	3.074
<i>Developmental Psychology</i>	American Psychological Association	\$567.18	2.533
<i>Mean</i>		\$255.11	

Table 2. Journals Published by Scholarly Societies in Association with For-Profit Publishers

Journals in Which HDFS Faculty Publish	Publisher	2003 Cost	2003 Impact Factor
<i>Teacher Education and Special Education</i>	Council for Exception Children & Allen Press	\$62.00	--
<i>Sociological Inquiry</i>	International Sociology Honor Society/Blackwell Publishing	\$133.58	0.200
<i>Family Relations (with JMF)</i>	National Council on Family Relations & Blackwell	\$250.71	0.808
<i>Early Childhood Research Quarterly</i>	National Association for the Education of Young Children & Elsevier Limited	\$341.13	0.339
<i>Journal of Early Childhood Teacher Education</i>	National Association of Early Childhood Teacher Educators & Taylor & Francis Ltd	\$370.93	--
<i>Journal of Adult Development</i>	SRAD & Kluwer Academic Publishers Group	\$408.00	0.500
<i>Child Development</i>	Society for Research in Child Development & Blackwell Publishing	\$420.25	3.324
<i>Journal of Research on Adolescence</i>	SRA & Blackwell Publishing	\$434.00	1.605
<i>Journal of Personality Assessment</i>	SPA & Lawrence Erlbaum Associates Inc	\$482.93	0.944
<i>Journal of Marriage and Family (with FR)</i>	NCFR & Blackwell Publishing	\$566.15	1.430
<i>Journal of Research in Personality</i>	Association for Research in Personality & Academic Press	\$570.26	1.108
<i>Psychology and Health (with internet)</i>	European Health Psychology Society & Taylor & Francis Ltd	\$906.00	1.307
<i>International Journal of Behavioral Development</i>	International Society for the Study of Behavioral Development & Taylor & Francis Ltd	\$986.00	.833
<i>Mean</i>		\$456.30	

Table 3. Journals Published by For-Profit Publishers

Journals in Which HDFS Faculty Publish	Publisher	2003 Cost	2004 Impact Factor
<i>International Journal of Aging and Human Development</i>	Baywood Publishing Company	\$374.01	.833
<i>Journal of Adolescence</i>	Elsevier Limited	\$466.62	.788
<i>Structural Equation Modeling</i>	Lawrence Erlbaum Associates Inc	\$529.16	--
<i>Psychological Inquiry</i>	Lawrence Erlbaum Associates Inc	\$559.99	6.083
<i>Journal of Family and Economic Issues</i>	Kluwer Academic Publishers Group	\$618.00	--
<i>Journal of Family Issues</i>	Sage Publications	\$818.92	0.606
<i>Marriage and Family Review</i> (with internet)	Haworth Press	\$1,070.00	--
<i>Journal of Divorce and Remarriage</i> (with internet)	Haworth Press	\$1,191.90	--
<i>Child Abuse and Neglect</i>	Elsevier	\$1,622.42	.977
<i>Mean</i>		\$805.67	

Appendix 5. Five-Year Graduate Program Review Schedule and Five-Year Academic Program Review Schedule

Note: This appendix is provided to aid in expansion of the review of the most-widely used journals within each program.

Academic Program Review (UAPR) Tentative Schedule (2004-2009)

See guidelines at: <http://oregonstate.edu/ap/assess/uaprguidelines.htm>

2004-2005

Foreign Languages and Literature (including Latin American Affairs and Russian Studies)

Joint review—Crop and Soil Science

Joint review—Biochemistry & Biophysics

Joint review—Microbiology

2005-2006

Sociology

Philosophy

Ethnic Studies

Speech Communication (including Peace Studies)

Psychology

Joint review—General Agriculture (with Master of Agriculture)

2006-2007

Outdoor Recreation Leadership and Tourism

Engineering Physics

Joint review—History (with History of Science)

Joint review—Fisheries and Wildlife

Joint review—Food Science and Technology

Joint review—Horticulture

Joint review—English

2007-2008

General Science

Liberal Studies

Political Science

Biology

Anthropology (undergraduate only)

Joint review—Environmental Science

2008-2009

Bioresource Research

Joint review—Botany (with Botany and Plant Pathology)

Joint review—Economics

Joint review—Nutrition and Food Management

Joint review—Exercise and Sport Science (with Human Performance and Movement Studies in Disability)

Note: For undergraduate academic programs with professional accreditation, the accreditation self-study and site visit will take the place of the self-study and site visit described in the UAPR guidelines. Self-studies will be made available to the Curriculum Council at the same time that they are submitted to the accrediting body. Implementation and follow-up guidelines for UAPR's still apply.

For a schedule of joint (Undergraduate and Graduate) Academic Program Reviews or Graduate Academic Program Reviews, contact the Graduate School (737-4881)

Tentative Five-Year Graduate Program Review Schedule

Rev. 03/16/06

Tentative Five-Year Graduate Program Review Schedule

2004-05		2005-06		2006-07		2007-08		2008-09	
Chemical Engineering	F04	Industrial Engineering '90	F05	History of Science auth '96 UAPR	F06	Business Administration '97		Botany & Plant Physiology w/UAPR	
Crop & Soil Science w/CSREES & UAPR	April 11-15	Mechanical Engineering '90	F05	Fisheries '95 & Wildlife '96 w/UAPR CSREES	F06	Environmental Science '98 w/UAPR		Bioresource Engineering	
Biochemistry & Biophysics w/ UAPR '88	W05	Nuclear Engr '90 and Radiation Health Physics '97	W06	Food Science & Technology '94 w/UAPR	W07	Public Health programs MPH auth '93		Counseling	
Statistics & Operations Research '90	W05	Forest Science CSREES	W06	Horticulture '94 w/UAPR CSREES	W07	Health Education		Economics w/UAPR	
Microbiology w/ UAPR '88	W05	Master of Agriculture '94 General Ag UAPR	W06	Oceanography & Atmos Sci '95	W07	Marine Resource Management '95		Nutrition & Food Management w/UAPR	
Plant Physiology '87	Sp05	Comparative Vet Med & Vet Science	Sp06	Materials Science auth '93	Sp07	Master of Arts in Teaching auth '93		Human Performance & Movement Studies in Disability EXSS UAPR	
		MCB and Genetics '92	Sp06	English w/ UAPR '92	Sp07	Master of Agriculture			
				Pharmacy '93	F06	Water Resources (OUS)			
				Applied Ethics (OUS)		MHP (OUS)			
				MPP (OUS)		MEng (OUS)			

Appendix 6. Sample resolution on open access.

Columbia University Senate Endorses Resolution on Open Access and Scholarly Communication

(NEW YORK, April 21, 2005) The Columbia University Senate endorsed unanimously a resolution on "Open Access" at its meeting on April 1, 2005.

The resolution was introduced by the Senate's Committee on Libraries and Academic Computing.

James Neal, Vice President for Information Services and University Librarian at Columbia, applauded "this bold support by the Columbia community for open access to scholarly work and this endorsement of the University's advocacy for reducing economic, legal, and technological barriers."

The text of the resolution follows:

Whereas the Senate is empowered by University statutes §23 (c) and (e) to "work for the advancement of academic freedom... [and] initiate and review policies to govern the University's relations with outside agencies for research, instruction, and related purposes," and

Whereas the principle of open access to the fruits of scholarly research is increasingly being adopted and pursued by universities and in the scholarly community at large, and

Whereas Columbia University continues to be in the forefront of open-access endeavors, through its advocacy activities and its digital library programs, and

Whereas technological, legal and economic barriers continue to be erected to obstruct or limit open access, and

Whereas the availability of the fruits of scholarly endeavor ought to reflect the conditions of cooperative endeavor and common resources under which scholarly work is produced,

Therefore be it resolved

1. That the Senate put on record its support for the principle of open access to the fruits of scholarly research;
2. That the Senate urge the University to advance new models for scholarly publishing that will promote open access, helping to reshape the marketplace in which scholarly ideas circulate, in a way that is consistent with standards of peer review and scholarly excellence;
3. That the Senate urge the University to monitor and resist efforts to impose digital rights management regimes and technologies that obstruct or limit open access, except as necessary to secure rights of privacy;
4. That the Senate urge the scholars of Columbia University to play a part in these open-access endeavors in their various capacities as authors, readers, editors, referees, and members of scientific boards and learned associations etc., (a) by encouraging and collaborating with publishers'

efforts to advance open access, (b) by retaining intellectual property rights in their own work where this will help it become more widely available, and (c) by remaining alert to efforts by publishers to impose barriers on access to the fruits of scholarly research. Columbia University Libraries is one of the top ten academic library systems in the nation, with 8.2 million volumes, over 57,700 serials, as well as extensive collections of electronic resources, manuscripts, rare books, microforms, and other nonprint formats. The collections and services are organized into 22 libraries, supporting specific academic or professional disciplines. Columbia Libraries employs more than 400 professional and support staff to assist faculty, students, and researchers in their academic endeavors.