

## **Review of Journals Used for Department of Chemistry Publications.**

### **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
<b>General Chemistry Journals</b>				
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
<b>Analytical/Environmental Focused Journals</b>				
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	
<b>Journal of Chromatography A</b>	<b>\$12,992</b>	<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
<b>Biochemistry Focused Journals</b>				
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
<b>Materials/Physical Focused Journals</b>				
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

<b>Chem. Phys. Lett.</b>	<b>\$12,367</b>	<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
<b>Organic Focused Journals</b>				
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	<i>Thieme</i>	<i>For Profit</i>	2.074
Synlett	\$1,177	<i>Thieme</i>	<i>For Profit</i>	2.741
<b>Tetrahedron</b>	<b>\$15,920</b>	<i>Elsevier Limited</i>	<i>For Profit</i>	2.641
<b>Tetrahedron Letters</b>	<b>\$11,595</b>	<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