



GEOSCIENCE
INFORMATION
SOCIETY

newsletter

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PRESIDENT'S COLUMN

by Lura Joseph

Two weeks have passed since the Annual Meeting! I'm finding the shift from the role of vice-president to president similar to the experience of leaning into a strong wind for an extended period of time, after which it suddenly stops. However, I'm not completely finished with the role of VP...there are thank you letters to write and files to organize for my successor.

At this time last year, the whole task of organizing and running the meeting was rather intimidating. I am sure I had the look of a deer in the headlights. In retrospect, it was an interesting and educational experience, one that I would not want to have missed. Working with GSA was fascinating and completely pleasant, and I don't know of a better opportunity to interact with so many GSIS members. I strongly encourage GSIS members to consider serving as an officer.

All the feedback that I have received so far indicates that the meeting was a success. The topical session consisted of 13 very interesting talks, and was well-attended. Connie Manson's talk about the survey library, and Sharon Mosher's talk about GeoscienceWorld attracted individuals from out-

side our society and increased the audience size. The four forums were also well-attended, interesting, and generated some lively discussion. The luncheon, reception, and field-trip offered time for networking and relaxation. The Silent Auction generated about the same level of revenue as last year and has become a fun addition to the meeting. I encourage you to communicate as early as possible with Linda Musser, our new VP, regarding suggestions for next year in Denver. One popular suggestion at the meeting was to move one or more of the forums to the evening in order to free up time for attending more of the GSA talks and events.

Acknowledgements: Organizing and running our Annual Meeting is definitely a group project, and can only succeed with the help of a large number of people. I would like to thank everyone who helped, which actually is everyone who attended and a few who were not there. In particular, thanks to Lisa Dunn and the other officers who offered suggestions and guidance through the whole process; to the 14 individuals who submitted abstracts for the topical session...I feel as though we "took back" our session; to Joanne Lerud-Heck for helping to co-moderate the session; to Nan-cy Blair, Adonna Fleming, and Sharon Tahirkheli for organizing the Digital/GeoRef Forum; to Charlotte Derksen for organizing the Collection Development Forum; to Kristi Jensen and Mary Scott for organizing the Preservation For-um, and to Sally Scott for organizing and presiding over the Professional Issues Forum and Meeting Wrap-Up.

Thanks also to the Awards chairs Edward Lener (Best Website), Thelma Thompson (Best Paper), and Janice Norris (Mary B. Ansari Best Geoscience Reference Book Award) and to their committees. The awards committees expend a lot of time and hard work, and we appreciate their efforts and the benefits to our society. Thanks also to Barbara Haner for arranging to have the certificates printed and for getting them to the meeting. I offer huge thanks to Dona Dirlam and all who volunteered to help with the society

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GSIS members are encouraged to contribute materials for publication. Material for the February, 2004 issue should be received no later than January 23, 2004. If possible, please send materials by e-mail.

exhibit. This is an important part of the meeting, and increases our visibility to all GSA meeting participants. Thanks also to Steve Hiller and his staff for delivering the exhibit and staffing the booth. I also would like to thank Claren Kidd and other members of the International Initiatives Committee for running our second Silent Auction which benefits the International Fellowship.

I would also like to express appreciation to Dave Bush and Nancy Carlson with GSA for their responsiveness during the mind-boggling process of arranging the Topical Session for the Joint Technical Program Committee. (Dave likened his part to be "nothing more than bopping gophers"). Also, Melissa Cummiskey, GSA Meeting Manager was in-credibly understanding and accessible. My already high opinion of GSA has reached new heights. The folks at the Sheraton also deserve kudos; there were only a few glitches and they were quickly resolved.

Finally, I would like to thank the sponsors of our meeting: Once again, Elsevier Science sponsored our Reception which provides a great opportunity for networking and informal discussion of various issues. Springer-Verlag provided the beverages for our Business Meeting. The caffeine served to keep us awake, energized, and on track after our Luncheon, and we greatly appreciate this addition to our meeting. Refreshments have become one of the most expensive elements of the meeting (AV being the other), and our society can no longer afford the luxury without outside help such as the sponsorships from Elsevier and Springer-Verlag. I encourage forum committees and others to seek such sponsorships for their events.

Just one humorous anecdote from the meeting: For some reason, I was more concerned about running the timer and keeping the topical session running on time than any other part of the whole meeting. After attending the training for the topical session on Saturday afternoon, I thought that I had the timer under control. It was digital and straightforward, and I even tried it out. Perhaps you can imagine my reaction when I arrived at the topical session room at 7:30 a.m. in an already panicked and over-caffeinated state, only to find a piece of equipment of Frankenstein vintage covered with poorly labeled little toggle switches. I do not remember who the individual is who walked in just then, but I will be forever grateful that she volunteered to run and find a technical guru to make sure I understood how to run the thing. (It turned out to be nothing more complicated than flipping one toggle left or right). After the topical session, I calmed down somewhat, and adopted Dave's mind-set: "This job just consists of bopping gophers".

Society Business: I confess that I have not had a chance to go through my notes from the meeting. A number of issues were discussed at the meeting and will likely appear in later Newsletter columns. Here are a few that come to mind:

Committees: Michael and Lisa have nearly completed updating the committee charges, and should be commended for their efforts. I will attempt to complete any that remain unfinished. Many of you added your name to a list at the meeting indicating interest in various committees. If you were not at the meeting and have an interest in certain committees, please let me know. You can check the society Web site for lists of committees and committee members. Participation on committees is a great way to get to know fellow society members, especially for new members, even if you are unable to attend the annual meeting. Sometimes participation on committees and/or speaking at the topical session helps to leverage funding from employers to attend the annual meeting. I will be attempting to fill committee vacancies, especially chairs, during December. Several new working groups were also proposed at the meeting, and I will be working with interested individuals to create the working groups and populate them.

Budget: The previous two Executive Boards led by Michael and Lisa have done an admirable job of keeping society expenses in line, however we are still not completely operating "in the black". Ideally, the society should have enough discretionary money to fund unforeseen challenges, opportunities, and projects. At this point, our margin is so thin that ordering a projector and digital hookup at one meeting puts our expenditures in "the red". Our Past President, Lisa, has volunteered to write a report considering various alternatives to improve our financial situation. When the report is finished, it will be shared with the membership in a future Newsletter, and comments and discussion will be solicited. I anticipate that the budget will be a continuing discussion point this year, and a business item at the next meeting.

Other business: The Board has received a suggestion to make it possible for international members, and possibly U.S. members as well, to pay dues by credit card via the Web. Our incoming Treasurer, Jane Ingalls, has volunteered to look into the process and report back on the feasibility of adopting this alternative. There would be a cost to the society.

Jim O'Donnell will be looking into moving our society Web site from AGI's server. This would provide greater flexibility, and enable security features for sections such as a membership directory. Again, there will be a cost to the society.

A final word: I would like to acknowledge the terrific work done by our outgoing president Lisa Dunn, our outgoing Treasurer Patricia Yocum, and our outgoing Auditor Margy Walsh. All three have worked diligently and served our society admirably. Along with past president Michael Noga, they have put our society on much sounder financial footing, and have updated procedures and committee charges. We gratefully acknowledge your efforts!

VICE PRESIDENT'S COLUMN

by Linda R. Musser

Planning for Denver 2004

Is it too soon to mention the deadline for submitting abstracts is July 13? Probably --- but it is not too soon to start thinking about next year. It is changing from fall to winter here in northern climes and I expect that all of you, like me, are pondering the serious question of what kind of calendar to buy for 2004. Should it be flowers, barns, scenic vistas, tractors, or cats? Stay with the free one from the florist or switch to a bookstore brand featuring a favorite comic

strip character? To change or not to change? Which, by the way, is the theme for the GSA meeting in 2004. *Geoscience in a Changing World* is the overarching theme for the conference and is the backdrop for the topical session I am planning. If you have an idea for a paper or want to suggest a theme for the topical session, let me know. GSA is soliciting ideas for topical sessions directly from members this year so, if you are feeling inspired, don't be shy.

TREASURER'S REPORT: GEOSCIENCE INFORMATION SOCIETY - FINAL Report for 2002

	Income Budgeted	Income Actual	Expense Budgeted	Expense Actual
EXECUTIVE BOARD				
President			\$150.00	
Vice-President			\$100.00	
Past-President			\$25.00	
Secretary			\$450.00	\$171.79
Treasurer			\$100.00	\$112.90
Teleconferences			\$200.00	
Subtotal			\$1,025.00	\$284.69
MEETINGS				
2002 Meeting			\$800.00	\$2,865.20
2002 Meeting: exhibits	\$800.00		\$500.00	\$247.93
2002 Meeting: fieldtrip		\$900.00	\$800.00	\$816.47
2001 Meeting			\$3,700.00	\$3,409.58
2001 Meeting: exhibits			\$100.00	
2001 Meeting fieldtrip		\$50.00		
Subtotal	\$800.00	\$950.00	\$5,900.00	\$7,339.18
DUES				
Institutional	\$2,000.00	\$2,025.23		
Personal	\$6,000.00	\$5,560.00		
Sustaining	\$600.00	\$500.00		
Retired	\$200.00	\$225.00		
Student	\$60.00	\$105.00		
Named Sponsorship	\$80.00	\$70.00		
Pooled Sponsorship	\$300.00	\$175.00		
Subtotal	\$9,240.00	\$8,660.23		
PUBLICATIONS				
Publications Manager			\$800.00	\$800.00
Directory of Geoscience Libraries	\$105.00	\$35.00		
Mailing labels	\$200.00			
Membership directory			\$1,050.00	
Newsletter: printing			\$2,400.00	\$2,900.44
Newsletter: mailing			\$1,000.00	\$702.48
Newsletter: subscriptions	\$600.00	\$165.00		
Newsletter: back issues				

Newsletter: cancellation refunds				\$85.00
Proceedings, v.32 (2001)			\$1,650.00	
Proceedings, v.31 (2000)	\$1,400.00	\$855.00		
Proceedings, v.30 (1999)	\$225.00	\$180.00		
Proceedings, v.29 (1998)	\$90.00	\$90.00		
Proceedings, prior volumes	\$90.00	\$45.00		
Index	\$15.00			
GEOINFO V Proceedings	\$90.00	\$75.00		
GEOINFO VI Proceedings	\$100.00	\$25.00		
Reprints				
Royalties				
Subtotal	\$2,915.00	\$1,470.00	\$6,900.00	\$4,487.92

REPRESENTATIVES/APPOINTEE

S

AGI Member Council rep			\$25.00	
AGI Gov't Affairs Program rep			\$25.00	
CUAC (2 reps @ \$200 each)			\$400.00	
Publicity Officer			\$50.00	
Auditor			\$25.00	
Subtotal			\$525.00	

COMMITTEES

Archives			\$50.00	
Best Paper			\$25.00	
Best Reference Work			\$25.00	\$65.22
Best Guidebook			\$25.00	\$52.61
Collection Development			\$25.00	
Digital Data			\$25.00	
GeoRef Users Group			\$25.00	
Guidebook Standards			\$50.00	
International Initiatives			\$100.00	
Membership			\$100.00	
Membership brochure				
Nominating			\$200.00	
Preservation			\$100.00	
Public Affairs			\$25.00	
Union List of Field Trip Guidebooks			\$25.00	
Website Advisory			\$50.00	
Subtotal			\$850.00	\$117.83

MISCELLANEOUS

AGI member society dues			\$425.00	\$400.00
Bank error on check #1083				\$0.50
GAP contribution			\$400.00	
GIS Domain name				\$95.00
GIS International Fellow	\$6,000.00	\$617.00	\$6,000.00	
Ansari Award			\$500.00	\$500.00
Gifts (unrestricted)	\$250.00	\$151.00		
Gifts- Professional Develop Fund		\$170.00		
Bank charges			\$150.00	\$6.00
Interest	\$200.00	\$254.79		
Souvenirs				\$159.63
Refunds				
Rock Detective (Bristol Fund conversion)				\$825.00
Subtotal	\$6,450.00	\$1,192.79	\$7,475.00	\$1,986.13

TOTAL	\$19,405.00	\$12,273.02	\$22,675.00	\$14,215.75
Opening checking balance (1/1/02)		Closing checking balance (12/31/02)		
Union Bank of California	\$4,715.70	Union Bank of California	\$3,847.10	
Opening savings balances (1/1/02)		Closing savings balances (12/31/02)		
Union Bank of California	\$13,566.27	Union Bank of California	\$2,599.45	
Bank of America: Ansari CD	\$3,019.87	National City Bank: Ansari CD	\$2,523.16	
		National City Bank: Ansari CD	\$4,104.80	
Bank of America: Ansari Savings	\$4,774.67	Bank of America: Ansari Savings	\$785.84	
Bank of America: Bristol Fund	\$828.14	Bank of America: Bristol Fund	\$0.00	
		National City Bank: CD	\$3,020.29	
		National City Bank: CD	\$8,081.28	

Auditor's Report for 2003

I have reviewed the 2002 financial records of the Geoscience Information Society, as provided by Treasurer Patricia Yocum. I found the records to be an accurate and well-organized representation of GSIS finances.

Respectfully submitted,
Margy Walsh , GSIS Auditor

Committee Report: Website Advisory

The Website Advisory Committee is pleased to recognize the *Guide to the Orders of Trilobites* with the 2003 GSIS Outstanding Website Award. Trilobites are one of the best known and most prolific creatures of the Paleozoic Era. In fact, over 15,000 species have been identified in the fossil record. Their hard shells are often well-preserved and anyone who has ever seen one can easily recognize a trilobite

fossil. Similarly the site *Guide to the Orders of Trilobites* makes a lasting impression. Created by Dr. Sam Gon III at the Honolulu field office of the Nature Conservancy, the site (<http://www.aloha.net/~smgon/ordersoftrilobites.htm>) is devoted entirely to the understanding of these ancient sea dwellers. The guide is designed to be readily accessible to those with little knowledge of the subject. At the same time, however, the richness and depth of the information available makes the site useful even to specialists in the field. An extensive collection of photographs, line drawings, fact sheets, identification keys, glossary, and more is provided. Discussions of trilobite ecology, morphology, feeding habits, reproduction, evolutionary trends, and systematics are also among the site's many features.

Respectfully submitted,
Edward Lener, chair

GEOSCIENCE JOURNAL PRICES

Compiled by Michael M. Noga

This list is a revision of the handout from the GSIS Collection Development Issues Forum at the Seattle meeting. Prices come from invoices, serial vendor databases, publisher's Web sites, and journal issues. Prices vary, depending on the subscription sources and payment date, especially for journals which are not priced in US dollars. Each journal price history comes from a consistent source as much as possible.

Journals were included in this list if they meet two criteria: 1) the subject fits broadly in the geosciences; and 2) sufficient price data were available. The latest title of each journal was used.

For these 191 journals, the average price change from 2003 to 2004 was **12.1%**. If the two extreme price changes (for *CSPG Reservoir* and the *Soil Science Society of America Journal*) are excluded, the price change drops **10.7%**.

The overall price of this pool of journals increased by **9.4 %** if all journal titles are included. The price of the pool increased by **9.2%** if the two journals with extreme price changes are excluded.

Several journals increased in cost because of the fall of the US dollar relative to other currencies. Others, such as the *Soil Science Society of America Journal*, increased substantially in a single year. Some titles are supposed to have larger page-counts next year. The rest might have increased because of falling subscriptions or just overall publisher pricing policy.

	1999	2000	2001	2002	2003	2004	01-02	% chan ge 02-03	03-04
AAPG Bulletin	280	280	280	280	280	290	0.0	0.0	3.6
AAPG Explorer	50	55	55	63	63	63	14.5	0.0	0.0
Alcheringa	65	65	53	70	76	98	32.1	8.6	28.9
American Mineralogist	430	430	480	530	580	625	10.4	9.4	7.8
Annales de Paleontologie	407	427	455	485	519	553	6.6	7.0	6.6
Annual Review of Earth Planetary Sci	140	148	148	165	180	189	11.5	9.1	5.0
Antarctic Science	330	340	340	364	390	400	7.1	7.1	2.6
Applied Geochemistry	584	657	823	877	942	1083	6.6	7.4	15.0
Arctic and Antarctic Alpine Res	95	100	100	125	140	140	25.0	12.0	0.0
Astronomy and Geophysics	195	223	225	225	243	296	0.0	8.0	21.8
Atlantic Geology	60	60	60	60	60	70	0.0	0.0	16.7
Australian Journal of Earth Sci	590	640	685	690	760	836	0.7	10.1	10.0
Basin Research	592	585	585	575	719	889	-1.7	25.0	23.6
Biogeochemistry	990	1046	1309	1427	1539	1654	9.0	7.8	7.5
Boletin Geologico y Minero (Spain)	43	39	39	33	36	43	-15.4	9.1	19.4
Boreas	199	210	215	226	238	250	5.1	5.3	5.0
Bull de Soc Geol de France	125	121	97	114	124	152	17.5	8.8	22.6
Bulletin of Canadian Petroleum Geol	81	95	140	88	140	140	-37.1	59.1	0.0
Bulletin of Eng Geol & the Env't	244	270	270	289	329	368	7.0	13.8	11.9
Bulletin of the Seismol Soc of Am	280	300	320	350	360	390	9.4	2.9	8.3
Bulletin of Volcanology	643	675	722	786	829	1107	8.9	5.5	33.5
Canadian Journal of Earth Sciences	556	612	655	701	773	846	7.0	10.3	9.4
Canadian Mineralogist	340	340	340	390	390	390	14.7	0.0	0.0
Carbonates and Evaporites	61	61	65	68	88	88	4.6	29.4	0.0
CATENA	784	917	979	1043	1121	1289	6.5	7.5	15.0
Chemical Geology	2379	2558	2973	3168	3406	3627	6.6	7.5	6.5
China Oil & Gas	233	n/a	259	320	359	430	23.6	12.2	19.8
Chinese Journal of Geochemistry	n/a	n/a	563	563	650	713	0.0	15.5	9.7
Clay Minerals	191	208	208	223	256	275	7.2	14.8	7.4
Clays and Clay Minerals	195	200	205	220	235	235	7.3	6.8	0.0
Comptes Rendus de Ac Sci: E P Sci	598	636	662	676	594	437	2.1	-12.1	-26.4
Computers & Geosciences	1454	1563	1668	1777	1910	2034	6.5	7.5	6.5
Continental Shelf Research	1370	1473	1644	1751	1882	2004	6.5	7.5	6.5

Contrib of Mineral & Petrology	2698	2829	2971	3017	3279	3453	1.5	8.7	5.3
Coral Reefs	397	411	449	475	515	750	5.8	8.4	45.6
Cretaceous Research	675	714	722	774	825	879	7.2	6.6	6.5
CSPG Reservoir	23	24	23	23	23	54	0.0	0.0	134.8
Deep Sea Research Pts. I & II	2796	3142	3629	4068	4373	4657	12.1	7.5	6.5
Doklady Earth Science Sections	2691	2905	3170	3455	3766	4652	9.0	9.0	23.5
Earth & Planetary Science Letters	2490	2677	2857	3043	3367	3586	6.5	10.6	6.5
Earth-Science Reviews	825	887	947	1009	1160	1334	6.5	15.0	15.0
Earth Sciences History	50	50	50	70	70	72	40.0	0.0	2.9
Earth Surface Processes	1595	1750	1920	2110	2290	2761	9.9	8.5	20.6
Ecologiae Geologicae Helvetiae	534	573	612	635	679	761	3.8	6.9	12.1
Economic Geology	145	145	160	175	195	215	9.4	11.4	10.3
Ecosystems	177	196	267	315	386	481	18.0	22.5	24.6
Eiszeitalter und Gegenwart	50	52	42	44	50	64	4.8	13.6	28.0
Engineering Geology	1063	1143	1219	1298	1493	1717	6.5	15.0	15.0
Environmental & Eng Geoscience	125	125	125	125	125	200	0.0	0.0	60.0
Environmental Fluid Mechanics	n/a	n/a	175	180	180	198	2.9	0.0	10.0
Eos	357	369	402	440	440	440	9.5	0.0	0.0
Episodes	24	24	24	24	24	24	0.0	0.0	0.0
Estuarine Coastal and Shelf Science	1397	1539	1541	1650	1890	2174	7.1	14.5	15.0
European Journal of Mineralogy	299	268	228	282	306	365	23.7	8.5	19.3
Evolution	170	170	190	250	250	250	31.6	0.0	0.0
Gems and Gemology	70	70	72	70	70	75	-2.8	0.0	7.1
Geoarchaeology	787	899	985	1099	1187	1300	11.6	8.0	9.5
Geochemistry International	2138	2890	2940	2940	3234	3485	0.0	10.0	7.8
Geochimica et Cosmochim Acta	1530	1644	1755	1869	2149	2471	6.5	15.0	15.0
Geobios	180	180	180	145	160	171	-19.4	10.3	6.9
Geoderma	1654	1778	1897	2020	2172	2313	6.5	7.5	6.5
Geodinamica Acta	296	310	335	305	328	349	-9.0	7.5	6.4
Geodiversitas	175	153	126	132	150	178	4.8	13.6	18.7
Geofisica Internacional	70	70	70	80	100	100	14.3	25.0	0.0
Geoforum	668	718	766	816	877	1009	6.5	7.5	15.1
Geografiska Annaler A: Phys Geog	160	171	181	189	220	258	4.4	16.4	17.3
Geolog	15	15	25	25	35	35	0.0	40.0	0.0
Geological Journal	645	705	775	850	930	1050	9.7	9.4	12.9
Geological Magazine	338	354	354	412	444	468	16.4	7.8	5.4
Geology	355	355	387	450	475	525	16.3	5.6	10.5
Geology Today	296	326	344	348	406	473	1.2	16.7	16.5
Geo-Marine Letters	447	469	502	539	569	619	7.4	5.6	8.8
Geomicrobiology Journal	295	330	368	602	650	947	63.6	8.0	45.7
Geomorphology	1264	1359	1451	1666	1791	1907	14.8	7.5	6.5
Geophysical Journal International	1355	1485	1545	1545	1455	1657	0.0	-5.8	13.9
Geophysical Prospecting	563	607	653	711	772	897	8.9	8.6	16.2
Geophysical Research Letters	985	1180	1285	1405	1405	1550	9.3	0.0	10.3
Geoscientist	100	107	114	122	121	137	7.0	-0.8	13.2
Geotectonics	528	580	650	710	770	824	9.2	8.5	7.0
Geothermics	803	863	921	981	1055	1124	6.5	7.5	6.5
Global and Planetary Change	893	960	1024	1280	1376	1465	25.0	7.5	6.5
Global Biogeochemical Cycles	318	440	484	528	528	580	9.1	0.0	9.8
Global Environmental Change	452	583	622	663	712	758	6.6	7.4	6.5
Grana	305	320	324	249	270	293	-23.1	8.4	8.5
Ground Water	200	220	224	260	260	280	16.1	0.0	7.7
Ground Water Monitoring & Remed	77	79	79	92	92	101	16.5	0.0	9.8
GSA Abstracts with Programs	129	129	140	120	135	117	-14.3	12.5	-13.3

GSA Bulletin	350	355	387	450	475	525	16.3	5.6	10.5
Holocene	569	632	689	723	886	961	4.9	22.5	8.5
Hydrological Processes	1795	1970	2165	2380	2585	2830	9.9	8.6	9.5
Icarus	2070	2777	2500	2663	2863	3049	6.5	7.5	6.5
International Journ of Coal Geology	1348	1449	1547	1648	1771	1886	6.5	7.5	6.5
International Journ of Earth Sciences	552	587	628	709	769	915	12.9	8.5	19.0
International J of Rock Mech/Min Sci	1767	1894	2021	2153	2314	2464	6.5	7.5	6.5
Island Arc	485	526	560	600	670	730	7.1	11.7	9.0
Israel Journal of Earth Sciences	210	210	210	260	260	260	23.8	0.0	0.0
Izvestiya Physics of Solid Earth	775	850	952	1040	1123	1329	9.2	8.0	18.3
Journal of African Earth Sciences	1576	1694	1808	1926	2070	2205	6.5	7.5	6.5
Journal of Applied Geophysics	668	834	891	949	1020	1086	6.5	7.5	6.5
Journal of Asian Earth Sciences	783	842	898	957	1028	1095	6.6	7.4	6.5
Journal of Atmos & Sol-Terr Phy	2270	2440	2598	2767	2975	3168	6.5	7.5	6.5
Journal of Coastal Research	145	145	145	155	155	185	6.9	0.0	19.4
Journal of Foraminiferal Research	80	80	80	85	95	150	6.3	11.8	57.9
Journal of Geochemical Exploration	896	1049	1119	1192	1281	1364	6.5	7.5	6.5
Journal of Geodesy	675	678	725	823	839	939	13.5	1.9	11.9
Journal of Geodynamics	1086	1166	1245	1326	1426	1519	6.5	7.5	6.5
Journal of Geology	96	109	113	124	136	149	9.7	9.7	9.6
Journal of Geophysical Research	4965	5290	5800	6400	6400	6600	10.3	0.0	3.1
Journal of Hydrology	3508	3772	4025	4287	4609	4909	6.5	7.5	6.5
Journal of Metamorphic Geology	610	695	765	970	1183	1502	26.8	22.0	27.0
Journal of Micropalaeontology	129	135	145	155	155	185	6.9	0.0	19.4
Journal of Molluscan Studies	250	325	340	366	392	412	7.6	7.1	5.1
Journal of Paleontology	110	113	116	128	145	156	10.3	13.3	7.6
Journal of Petroleum Technology	45	45	45	60	60	60	33.3	0.0	0.0
Journal of Petrology	700	760	800	875	965	1052	9.4	10.3	9.0
Journal of Quaternary Science	825	905	995	1090	1185	1295	9.5	8.7	9.3
Journal of Sedimentary Research	180	180	195	210	210	250	7.7	0.0	19.0
Journal of South Amer Earth Sci	597	701	749	798	858	914	6.5	7.5	6.5
Journal of Structural Geology	1036	1114	1189	1266	1361	1449	6.5	7.5	6.5
Journal of the Atmos Sciences	495	510	520	545	570	615	4.8	4.6	7.9
Journal of the Geol Soc of London	673	720	770	824	885	985	7.0	7.4	11.3
Journal of Vertebrate Paleontology	195	210	250	250	250	250	0.0	0.0	0.0
Journal of Volcanol & Geotherm Res	1698	1825	2086	2400	2580	2748	15.1	7.5	6.5
Limnology and Oceanography	175	350	350	350	378	405	0.0	8.0	7.1
Lithos	828	931	994	1146	1232	1417	15.3	7.5	15.0
Marine and Petroleum Geology	1260	1417	1513	1612	1732	1845	6.5	7.4	6.5
Marine Chemistry	1456	1565	1670	1779	1912	2036	6.5	7.5	6.5
Marine Geology	2412	2593	2768	2948	3169	3375	6.5	7.5	6.5
Marine Micropaleontology	851	915	977	1041	1119	1287	6.6	7.5	15.0
Marine Pollution Bulletin	821	882	942	1003	1079	1149	6.5	7.6	6.5
Mathematical Geology	645	720	780	780	819	880	0.0	5.0	7.4
Micropaleontology	280	310	310	310	330	360	0.0	6.5	9.1
Mineralium Deposita	922	911	975	1045	1140	1369	7.2	9.1	20.1
Mineralogical Record	120	120	120	150	150	175	25.0	0.0	16.7
Mineralogy and Petrology	837	833	891	955	1022	1109	7.2	7.0	8.5
Minerals Engineering	855	962	1027	1094	1176	1252	6.5	7.5	6.5
Mountain Geologist	40	40	40	40	40	50	0.0	0.0	25.0
Natural Hazards	512	495	523	784	847	909	49.9	8.0	7.3
Natural Resources Forum	437	471	503	536	530	619	6.6	-1.1	16.8
Nature	595	650	775	775	920	1280	0.0	18.7	39.1
Nautilus	45	45	56	56	56	56	0.0	0.0	0.0

New Zealand J of Geol & Geoph	210	225	225	225	305	305	0.0	35.6	0.0
Nonlinear Processes in Geophysics	135	120	220	220	340	433	0.0	54.5	27.4
Northeastern Geol & Env Sci	79	79	79	84	84	99	6.3	0.0	17.9
Ore Geology Reviews	628	675	721	768	826	880	6.5	7.6	6.5
Organic Geochemistry	2056	2210	2359	2513	2701	2877	6.5	7.5	6.5
Origins of Life & Evol of Biosphere	414	400	424	462	498	537	9.0	7.8	7.8
Palaeo, Palaeo, Palaeo	2553	2745	2929	3120	3353	3571	6.5	7.5	6.5
Palaios	165	165	165	175	175	200	6.1	0.0	14.3
Paleobiology	65	69	72	80	90	96	11.1	12.5	6.7
Paleobios	20	20	20	22	22	22	10.0	0.0	0.0
Paleoceanography	299	319	329	358	395	415	8.8	10.3	5.1
Paleontological Journal	1281	2075	2262	3315	3580	3831	46.6	8.0	7.0
Petroleum Geoscience	229	212	227	243	247	305	7.0	1.6	23.5
Petrology	906	980	1069	1165	1270	1365	9.0	9.0	7.5
Physical Geography	289	294	309	339	349	366	9.7	2.9	4.9
Physics and Chem of the Earth	1636	1760	1878	2000	2150	2290	6.5	7.5	6.5
Physics and Chemistry of Minerals	1320	1469	1571	1679	1797	1920	6.9	7.0	6.8
Physics of the Earth & Planet Inter	1785	1919	2048	2181	2345	2497	6.5	7.5	6.5
Planetary and Space Science	2173	2336	2493	2655	2854	3040	6.5	7.5	6.5
Powder Diffraction	105	105	105	105	105	155	0.0	0.0	47.6
Precambrian Research	1703	1830	2032	2164	2327	2478	6.5	7.5	6.5
Proceedings of Geologists Assoc	184	197	217	230	246	275	6.0	7.0	11.8
Proceedings of Yorkshire Geo Soc	122	129	137	147	147	175	7.3	0.0	19.0
Progress in Oceanography	1286	1608	1962	2090	2246	2392	6.5	7.5	6.5
Progress in Physical Geography	271	312	340	371	403	437	9.1	8.6	8.4
Pure and Applied Geophysics	1986	2092	2236	2295	2456	2739	2.6	7.0	11.5
Quarterly J of Eng Geo & Hydrogeo	322	345	369	413	412	478	11.9	-0.2	16.0
Quaternary International	691	743	792	844	908	965	6.6	7.6	6.3
Quaternary Research	430	486	545	580	624	665	6.4	7.6	6.6
Quaternary Science Reviews	1151	1324	1413	1505	1618	1723	6.5	7.5	6.5
Radiocarbon	125	120	120	160	175	190	33.3	9.4	8.6
Remote Sensing of Environment	1660	1777	1896	2180	2344	2496	15.0	7.5	6.5
Review of Paleobotany & Palynol	1503	1616	1724	1836	1974	2102	6.5	7.5	6.5
Reviews of Geophysics	280	280	280	300	300	300	7.1	0.0	0.0
Rock Mech and Rock Eng	259	278	299	320	395	436	7.0	23.4	10.4
Rocks & Minerals	74	74	84	91	91	91	8.3	0.0	0.0
Science	325	340	370	390	425	500	5.4	9.0	17.6
Scottish Journal of Geology	150	159	170	182	182	215	7.1	0.0	18.1
Sedimentary Geology	2046	2199	2347	2500	2688	2863	6.5	7.5	6.5
Sedimentology	802	835	809	808	947	1103	-0.1	17.2	16.5
Seismological Research Letters	90	90	90	108	115	125	20.0	6.5	8.7
Soil Science	215	236	261	305	343	370	16.9	12.5	7.9
Soil Science Society of Amer J	215	215	215	247	247	600	14.9	0.0	142.9
Stratigraphy and Geological Correl.	908	980	1068	1165	1270	1365	9.1	9.0	7.5
Surveys in Geophysics	498	483	511	557	602	647	9.0	8.1	7.5
Tectonics	429	444	483	528	528	550	9.3	0.0	4.2
Tectonophysics	3349	3600	3842	4092	4399	4685	6.5	7.5	6.5
Terra Nova	537	558	563	558	651	770	-0.9	16.7	18.3
Water Research	3243	3486	3721	3963	4260	4537	6.5	7.5	6.5
Water Resources Research	720	845	919	980	980	1090	6.6	0.0	11.2

n/a = not available

	Average price change (title) =	8.3	8.1	12.1
	Average price change (overall)=	8.1	7.7	9.4
Without 2 highest values for 2003 >	Average price change (title) =			10.7
Without 2 highest values for 2003 >	Average price change (overall)=			9.2

REPORTS OF ANNUAL MEETING SESSIONS

Professional Issues Forum, reported by Sally Scott

Topics discussed at the 2003 Professional Issues Forum included copyright issues, citation of geoscience data, the future of electronic publishing in the geosciences, and other questions.

Shaun Hardy initiated a discussion on copyright issues. He is frequently approached by faculty and students needing information on what is legitimate regarding distribution of electronic publications. He wanted to be able to indicate what each journal publisher would allow and produce a list that would enable students to link to sites with copyright information. Discussion of the issues included suggestions that it is very important for users to get the author's permission, which covers any challenges to misuse; that writers have options for what they agree to regarding copyright and should stick up for themselves; that one's institution's intellectual property policies should be checked; and that writers should be encouraged to attend writing workshops where copyright is discussed. It was pointed out that if you comply with the provisions and guidelines of the Teach Act, you will be protected. There was also discussion regarding what problems libraries were having with electronic reserves and copyright. Were files being deleted when the term ended? It was also mentioned that European copyright is much more complex than US copyright and difficult to deal with.

Marie Dvorzak, a member of the Task Force on Citation of Geoscience Data, led a discussion on the report of the task force. The Website for the report is available from the GSIS Web page with a link to the National Research Council report. Marie requested comments from GSIS members on the work of the task force and on the issue of citing geo-

science data, which includes non-print collections such as fossils, rock specimens, cores, data sets, etc. She said they are hoping to convince the USGS to include these citations in their publications. That would set a very strong precedent, but so far they have not been interested. She suggested that librarians encourage their faculty to consider citing collection data.

Lisa Fish, who is facing space and consolidation planning, asked what the group thought would be the future of electronic publishing in the geosciences. A lively discussion resulted in several good suggestions for her.

Other issues included a question on what librarians are doing with old 5¼ floppies and the problem of Web sites included in books being locked up by the first user who logs on and creates a personal password. Participants were asked if their libraries were doing federated searching. No one was. In response to an inquiry on the progress of the USGS retrospective cataloging, Nancy Blair stated that they are getting there drawer by drawer and had just finished the non-series materials.

Lura Joseph led the meeting wrap-up. Everyone felt it had been an excellent meeting. There was interest in having late afternoon or early evening meetings next year to enable participants to attend some of the other events and professional papers. Claren Kidd reported that the silent auction netted \$601.00 and that the committee would review what were the popular items in order to suggest types of contributions next year. It was suggested that self-introductions be included on the agendas of all the sessions, not just the business meeting.

GeoRef Users Group/Digital Database Forum

The GeoRef Users Group and the Digital Data Committee combined efforts and presented the GeoRef/Digital Forum at this year's annual GSIS meeting in Seattle on November 4th from 8:30 -11:00 a.m. The respective chairs, Nancy Blair and Adonna Fleming, co-chaired the meeting.

GeoRef Forum, reported by Nancy Blair, chair

The GeoRef Users Workshop has been a part of the GSIS program for several years. This year the group joined the Digital Issues Forum, chaired by Adonna Fleming, with a briefer program featuring a review of progress for 2003 presented by Sharon Tahirkheli of the American Geological Institute. The presentation included information on broadening the world coverage of indexing, the status of reloads by vendors, and pricing. A major project for serving earth science electronic journals, *Geoscience World*, will incorporate GeoRef for searching.

Digital Database Forum, reported by Adonna Fleming, chair

"Digital Issues: A roundtable discussion about issues concerning electronic resources in terms of collection, preservation, access and connectivity" was the topic of the Digital Data Committee's portion of the Forum. Two issues were brought forward as the focus of the discussion, the first, concerned 'article linker' software and how it was being used by the represented libraries and which were the best products?; the second, brought up the old adage of 'print versus electronic' and was discussed in terms of the new Elsevier proposal which is offering discounts to libraries that purchase the 'electronic only' versions of its journals.

'Article linker' software is a fairly new tool in the electronic world of libraries. It allows for libraries to manage the ever increasing complexity of electronic access to full-text articles from journals, magazines and newspapers. Using 'OpenURL protocol' this software allows library patrons to connect from an online abstracting or indexing database to the full-text of the article across different platforms and vendors. Accurate metadata at both the source and the target are required for the process to work. When a patron clicks on the source, a bibliographic citation in a database such as Elsevier's ScienceDirect, the 'article linker' software directs the patron to a page which lists all of their library's available

access points for finding the full-text of the article. By clicking on one of these links, known as the target, the patron is then given access to the article. Based on how much information the publisher has put in the metadata of the article's record, the patron is connected to the article through different levels of access. They connect either through the title page of an electronic journal from which they must search again for the article, or to the volume and issue level of which the article appears in, or in the best circumstance, directly to the article level. The latter case requires the publishers to use persistent URL protocol or a digital object identifier (DOI).

There are several commercial vendors of 'article linker' software, some of them include: Ex Libris' SFX, SIRSI's OpenURL Resolver, Endeavor's LinkFinder Plus, and SerialsSolutions. Many of the representative libraries in the audience are using the Ex Libris' SFX product and found it to be working satisfactorily. The audience expressed the importance that publishers such as Elsevier and AGU need to create records with persistent URLs or DOIs in order for the software to work. Also mentioned were the works universities publish electronically, these too need to have DOIs and it was recommended that librarians who are working on digitization projects direct their authors to the URL for the inter-national DOI registry at <http://www.doi.org/>.

The second discussion topic evolved over the issue of 'electronic only' access to some journals. With increasing budget constraints, academic libraries are looking to cutting costs anywhere and one emphasis is to go with 'electronic only' access to journals, thus saving money on processing and storage. Many librarians in the audience opposed this idea as being short sighted, and felt that permanent print archives are still important. They were particularly hesitant to cancel print subscriptions to commercial publishers but would be more willing to do so with journals published by societies. The audience's opinion coincides with that of the librarian profession as a whole, in that the commercial publishers are slow to recognize the importance of the library's role in archiving electronic data. In particular, the new Elsevier proposal to give discounts to libraries who switch to 'electronic only' subscriptions on some of their journals was discussed, and none of the representative libraries were canceling their print versions, but instead were going with higher cost of accessing both formats.

Preservation Forum, reported by Mary Scott, chair

The committee's web pages have been revised and they are now linked from the GSIS web page. Check them out and send comments and suggestions to the committee.

Preservation Activities at Earth Sciences Information Centre, Natural Resources Canada, reported by Pauline MacDonald

--**Logan Legacy Fund**: The Logan Legacy Fund was established in 1992 to coincide with the 150th anniversary of the Geological Survey of Canada. It is administered under the umbrella of the Canadian Geological Foundation and is a unique initiative of a government agency seeking private funding for library preservation. The first five years of fundraising were highly successful but there has been a gradual decline and active fundraising ceased in the year 2000, though there are still occasional donations. Over \$100,000 has been donated since 1992.

--**Preservation activities**: Between 1992 and 1995 all the personal collection of Sir William Logan was conserved. This contained more than 100 volumes, maps or manuscripts. Work depended on condition of the volume. Some were completely rebound, cleaned, etc. others repaired and given minor treatment. All were de-acidified.

In subsequent years attention was given to the exploration collection (largely 17th century works pertaining to exploration of North American continent, containing natural history, botany and geology). A complete assessment was performed as to what was required in terms of conservation work. All works received minimum treatment and leather dressing or minor repairs were undertaken. There is ongoing work for complex conservation treatment of items in this collection.

A collection of original paleontological drawings by A. Lambe published in late 1800s were individually cleaned and re-mounted on acid-free stock. Special storage containers were created for them.

--**Evaluation of collection**: An expert examined the rare collection and developed brief reports on the historical significance of the collection as well as monetary value. This helps us to establish priorities in conservation work and is also useful in developing exhibits and displays.

--**Photo Collection**: The Earth Sciences Information Centre holds some 500,000 images (negatives and glass plates) dating from the late nineteenth century. Basic conservation work is on going as well as improved indexing and cataloguing for this collection. There have been collaborative projects to digitize images and more than 5,000 are now in the database.

Images are stored at 600 dpi to meet archival requirements.

Update on U.S. Geological Survey Preservation Activities, reported by Nancy Blair

Photographs from the Library's 16,000 to 19,000 photos are being digitized and the originals turned over the National Archives. Professional papers no. 1-75, the early Annual Reports, reports dealing with earthquakes up to 1965, and reports on National Parks have been digitized. These are now on CDs and DVDs and are ready to be put up on the web but software needs to be developed to do this, waiting for money. Plans are to do the Open File reports, geologic folio series, more Professional Papers and the Monograph series next.

The New England Intercollegiate Geological Conference Guidebooks, reported by Thelma Thompson.

The NEIGC is over 100 years old, and the reports of some early meetings were published in Science Magazine. A group comprised of individuals from the Universities of New Hampshire and Vermont and Dartmouth College is initially looking at digitizing guidebooks that are out of copyright and out of print. This project would be part of a larger effort to establish a place-based resource for geology of northern New England. They are seeking funding from NSDL and coordination with DLESE as well as some K-12 educational partners to augment existing support from university-level professors. They want to provide GIS-based glossarial searching as one means of collection access.

Other Digitizing Projects:

Penn State projects: they are microfilming and digitizing the 2nd Pennsylvania Geological Survey publications (1870-1890s). There are about 80 texts. They have \$20,000 for the project. They have also de-acidified one copy of the 4th Survey publications.

Caltech: digitizing old technical report series, also archiving the faculty self published documents.

Stanford: digitizing old geology field class notebooks.

Gemological Institute of America: digitizing over 27,000 slides from their collection. These will be available for in-house use next year, no public access yet.

University of Chicago Libraries: now include digitization as an option for preservation.

University of Colorado: air photos of Colorado.

NEWS FROM THE USGS LIBRARIES

by Nancy Blair, Chief Librarian

During the week of November 17th, the USGS editors and publishers held a meeting in Denver called Publications 2003. Several reports were presented to enable the USGS to move to a consolidation of publishing practices.

In the past, USGS Water, Geology, and Biology Disciplines had separate editorial requirements and published in different series. The USGS Publications Issues Group (PIG) has re-defined the USGS series. In some cases, series have been renamed or closed. The Group also developed a format for each series and a determination of when paper copies would accompany electronic versions. The library community is probably the only outside group seriously caring about whether there will be another Water Supply Paper and if there will still be paper Bulletins. As soon as the final authorizing signatures are obtained in the next few weeks, the USGS libraries will ensure that outside geoscience libraries get the information they need.

In addition to the new series definitions reports, the Publications Warehouse was also rolled out. It is now available only inside the USGS, but will soon be released to the public. The Warehouse attempts to consolidate all bibliographic information about the USGS publications over time and give availability. The Warehouse will be a database in progress as we fill in the holes, i.e., why is Circular 261 missing from all collections? Was it ever published?, And if so, what was the title and are there any copies anywhere? The Warehouse should soon be very comprehensive, covering all USGS publications and maps in all formats issued as part of a series or separately, with direct links to electronic versions. Notes will be added as research continues on superceded publications, editions, numbering errors, and other irregularities. Index terms will be also be added during the next year to improve retrieval.

The web site for the Task Force on the Citation of Geoscience Data is live and available on the GSIS web site at www.geoinfo.org/TFGeosciData.htm. Feel free to bring it to the attention of any editors you know.

Submitted by Linda Musser, TF chair

GSIS PUBLICATIONS LIST

Proceedings of the Annual GSIS Meetings

(ISSN 0072-1409) \$45.00 each; standing orders are \$45.00/year. (Proceedings volumes 1 through 25 are out of print and available from: Out-of-print Books on Demand, University Microfilms, Inc., 300 North Zeeb Road, Ann Arbor, MI 48106.)

--v. 32, 2001 *Geoscience Information: A Dynamic Odyssey*, ed. by M. M. Noga. (ISBN 0-934485-34-8)

--v. 31, 2000 *Electronic Information Summit: New Developments and their Impacts*, ed. by S. N. Tahirkheli. (ISBN 0-934485-33-X)

--v. 30, 2000, *Communication Divides: Perspectives on Supporting Information Bridges in the Geosciences*, ed. by Lois Heiser, (ISBN 0-934485-32-1)

--v. 29, 1999 *Accreting the Continent's Collections*, ed. by C. R. M. Derksen and C. J. Manson, (ISBN 0-934485-31-3)

--v. 28, 1998 *The Costs and Values of Geoscience Information*, ed. by C. J. Manson. (ISBN 0-934485-29-1)

--v. 27, 1997 *Expanding Boundaries: Geoscience Information for Earth System Science*, ed. by B. J. DeFelice. (ISBN 0-934485-23-2)

--v. 26, 1996 *Crossing the Bridge to the Future: Managing Geoscience Information in the Next Decade*, ed. by N. L. Blair. (ISBN 0-934485-26-7)

Proceedings of the International Geoscience Information Conferences

-- 6th, 1998 *Science Editing and Information Management*, Proceedings of the Second International AESE/CBE/EASE Joint Meeting, Sixth International Conference on Geoscience Information, and Thirty-second Annual Meeting, Association of Earth Science Editors, ed. by C. J. Manson. (ISBN 0-934485-30-5) \$ 25.00

-- 5th, 1994 *Geoinfo V, Proceedings of the 5th International Conference on Geoscience Information*, ed. by Jiri Hruska. (ISBN 0-934485-27-5) \$ 45.00 (2 vols.)

Directory of Geoscience Libraries, North America.

5th Edition, 1997. (ISBN 0-934485-25-9) Paper. \$ 35.00

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