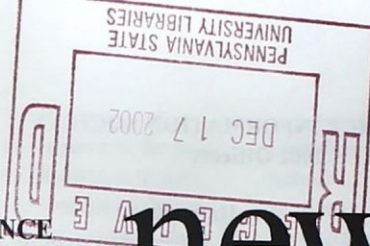




**GEOSCIENCE
INFORMATION
SOCIETY**



Ems

newsletter

Number 199, December, 2002

ISSN 0046-5801

CONTENTS

Special Features

Geoscience Journal Prices, compiled by Michael M. Noga.....6
 USGS Library Scanning Project for 2002, by Nancy Blair.....10

Departments

President's Column 1
 Vice-President's Column 1
 Annual Report--Treasurer.....3
 GISIS Annual Business Meeting Minutes.....4
 Announcements.....11
 Literature Reviews, by Carol J. LaRussa11
 Publications.....14
 Job Announcements.....13
 GISIS Publications List15

PRESIDENT'S COLUMN

by Lisa G. Dunn

Well, the Annual Meeting is over and the dust is settling. Planning a meeting in coordination with GSA is quite an experience, as I'm sure our past vice-presidents will all tell you. Now that I have a little perspective on the event, I can say that I thoroughly enjoyed the project and the outcome, although sometimes the process was a little painful. I think nowhere else in GISIS (see below) do you get the chance to interact with so many members on such a level, members who are so forthcoming with their efforts, ideas and feedback. Working with the membership is truly one of the great benefits of being a Society officer. As a side benefit, my organization skills have skyrocketed, something my co-workers may appreciate.

Acknowledgements. I would like to thank everybody who helped make our Meeting a success. In particular: Joanne Lerud helped me co-chair the Topical Session; we coped with GSA's new computer networking system, a really great idea! Nancy Blair organized the GeoRef Users Group Forum, which included a content update of the database. Adonna Fleming's Digital Forum, "A Potpourri of Cyber Media," provided a review of products and an introduction to others such as the Colorado Digitization Project. Charlotte Derksen planned the Collection Development Forum, where we heard from publishers and the audience on issues including management of electronic publications. Kristi Jensen and Mary Scott's Preservation Forum included some eye-opening reports on the audience members' current preservation efforts. Sally Scott wrapped up the meeting with the Professional Issues Forum. I hope to have write-

ups from all of these forums for the upcoming Proceedings.

In addition, April Love and Sally Scott managed the Exhibit Booth; Claren Kidd set up our first (and very successful) Silent Auction. Michael Noga provided me with lots of valuable tips and kept me on track through the planning process, in addition to running an on-time and on-task business meeting as our outgoing President. The awards committees' efforts to recognize outstanding geoscience publications are very much appreciated. There were also many committee members and outright volunteers who kept things running smoothly—thanks to you all! Finally, I'd like to thank our sponsors, Elsevier Science, and the Arthur Lakes Library and the Bookstore of the Colorado School of Mines. The GIS reception sponsored by Elsevier was one of the best networking opportunities of the Meeting; the reception at the CSM Library was a port in a storm (literally, as some of you can testify).

And now, on to Society business. A number of issues were discussed, some of which will appear in later Newsletter columns.

"GISIS." First, we have a change in how we refer to the Society—our official abbreviation is now "GISIS" for Geoscience Information Society. This change was made to address the growing confusion between our Society and geographic information systems. (And yes, we had it first, but common usage finally triumphs.) The same discussion brought up the issue of changing the name of the Society, a more complex process. Please send me any feedback about the new abbreviation or about the issue of changing the name of the Society.

Committees. I will continue Michael's efforts to update the Society's committee charges with the help of present and past committee chairs. Please let me know your interests in serving on a committee. Committee lists and members are in the Membership Directory and on the GISIS website. Committee participation is a great way to become involved and get to know your fellows, especially for new members—and you certainly don't have to attend the Annual Meeting to make a contribution in most committees. Let me know!

Budget. The Executive Board discussed GISIS's fiscal policy and guidelines to help future officers. Ideally, we'd like to have enough discretionary money to fund special

(continued, p. 3)

GEOSCIENCE INFORMATION SOCIETY
2002 Officers

President

Lisa G. Dunn
Arthur Lakes Library
Colorado School of Mines
P. O. Box 4029
Golden, CO 80401-0029
phone: 303/273-3687; fax: 303/273-3199
e-mail: ldunn@mines.edu

Vice-President (President-Elect)

Lura Joseph
Geology Library
223 Natural History Building, MC-102
1301 W. Green Street
University of Illinois
Urbana, Illinois 61801
phone: 217/333-2676; fax: 217/244-4319
e-mail: luraj@uiuc.edu

Immediate Past President

Michael Mark Noga
Massachusetts Institute of Technology
Science Library
14S-134
77 Massachusetts Avenue
Cambridge, MA 02139-4307
phone: 617/253-1290; fax: 617/253-6365
e-mail: mnoga@mit.edu

Secretary

Jim O'Donnell
Geology Library 100-23
Caltech
Pasadena, CA 91125
phone: 626/395-2199; fax: 626/568-0935
e-mail: jimodo@caltech.edu

Treasurer

Patricia B. Yocum
3026 Shapiro Science Library
University of Michigan
Ann Arbor, MI 48109-1185
phone: 734/936-3079; fax: 734/763-9813
e-mail: pyocum@umich.edu

Homepage:

<http://www.geoinfo.org>
Chair: Jim O'Donnell
Geology Library 100-23
Caltech
Pasadena, CA 91125
phone: 626/395-2199; fax: 626/568-0935
e-mail: jimodo@caltech.edu

Listserv: geonet@purdue.edu

Editor: Carolyn J. Laffoon
Earth & Atmospheric Sciences Library CIVL 1210
Purdue University
West Lafayette, IN 47907-1210
phone: 765/494-0201; fax: 765/496-1210
e-mail: carolyn@purdue.edu

Newsletter Editor

Connie J. Manson
Washington Division of Geology & Earth Resources
P. O. Box 47007
Olympia, WA 98504-7007
phone: 360/902-1472; fax: 360/902-1785
e-mail: connie.manson@wadnr.gov

Publications Manager

Elizabeth Wallace
Science & Technology Libraries
Syracuse University Library
Syracuse, New York 13244-2010
phone: 315/443-2160; fax: 315/443-5549
e-mail: eawallac@library.syr.edu

Publicity Officer

Carol J. La Russa
Physical Sciences & Engineering Library
University of California, Davis
Davis, California 95616
phone: 530/752-0519; fax: 530/752-4719

The GSIS Newsletter is published bi-monthly in February, April, June, August, October, and December by the Geoscience Information Society. Subscription is free to GSIS members. The annual non-member subscription rate is \$40 to the U.S. and Canada, and \$45 (by airmail) to other countries. All correspondence regarding dues, membership status, and address changes should be directed to the GSIS secretary.

GSIS members are encouraged to contribute materials for publication. Material for the February, 2003 issue should be received no later than January 24, 2003. If possible, please send materials by e-mail.

(continued from p. 1)

projects or unforeseen opportunities as we have in the past, without raising dues or cutting back on Meeting activities. One way to do this is to identify outside sources of income, for example sponsors for the Meeting or advertisements in the Newsletter. The Board will pursue these issues; feedback is welcome, as are suggestions on sponsors and advertisers.

Other issues raised at the Executive Board and Business meetings included:

1. A proposal creating a task force on standards for citations of "unpublished" materials
2. GSA Meeting guidebooks (or the lack thereof)
3. Recruitment and involvement in Society activities
4. An inquiry into interest in a shared pool of geoscience web content

One last note: That was one of the colder field trips I've been on, autumn in the Front Range and all that. If you have pictures you'd like to share, send me an e-version and we'll get them out.

VICE PRESIDENT'S COLUMN

by Lura Joseph

Greetings! The Denver meeting was superb. The days were packed with activities, the topics were pertinent, and the energy and interest of attendees were at a high level. The topical sessions and forums were well attended, with some folks sitting on the floor in a few meetings. Networking was lively. The fieldtrip to Garden of the Gods was chilly but beautiful. Profound thanks go to Lisa Dunn, the organizer and our new President. Those of you unable to attend were missed. We hope to see you at Seattle in 2003.

Thanks to all of you who have offered suggestions, support, and encouragement as I take on the responsibilities of Vice-President of GSIS. I'm looking forward to increased involvement in the society. GSA's theme for the 2003 meeting in Seattle is "Geoscience Horizons". A possible GSIS topical theme is "Geoscience Information Horizons: Challenges, Choices, and Decisions". It is not carved in stone, and I'm open to any and all suggestions. I would like to keep the topic broad to encourage submission of abstracts in many areas of geoscience information. I encourage you to consider submitting an abstract. Also, if you have ideas for potential invited speakers, please contact me as soon as possible. It would help if they are from the Seattle area, or if they are already planning to attend the 2003 meeting since they will be responsible for their own expenses.

Lisa made good progress toward reducing conference costs born by the society. We need to continue the trend. Expenses for AV equipment and for coffee and food are extremely expensive. If you know of potential sponsors for any of the meeting events, please contact me as soon as possible.

A number of individuals have expressed the desire to consolidate some forums in order to free up time for more networking, and in order to attend some of the GSA topical sessions. I invite your input. I also encourage the various committees to communicate about consolidating forums. For example, it might be possible to consolidate the GeoRef Users Group and the Digital Forum into one morning with a short break. We will most likely begin GSIS meetings earlier in the week in 2003. Since GSA has changed to opening the meetings on Sunday, the Executive Board meeting will likely be on Saturday afternoon or evening with GSIS meetings beginning on Sunday.

It is not too early to begin thinking about the 2003 meeting in Seattle. See you there!

ANNUAL REPORT: Treasurer's Report for 2002

The treasurer typically receives society income, pays bills, maintains spreadsheets and reconciles bank statements. All were pursued throughout the current fiscal year, (Jan-Dec). The final financial report for 2001 was published in the February newsletter, while the 2002 mid-year report appeared in the August newsletter. The third quarter report was distributed at the annual meeting in Denver.

There were two special activities during the year, both approved by the Executive Board. The first involved closure of the Bristol Fund, with the balance forwarded to the Rock Detective, a non-profit group which supports young students who are learning about geology. The second special activity was the purchase of four certificates of deposit:

Mary B. Ansari Best Reference Work:
\$2500.00 for 24 months, maturing May 2004
\$4053.51 for 48 months, maturing May 2006
Geoscience Information Society
\$3000.00 for 24 months, maturing May 2004
\$8000.00 for 48 months, maturing May 2006

All CD's are earning interest higher than that paid by the business savings accounts which formerly held the money. Interest is being re-invested in each CD.

Respectfully submitted,
Patricia B. Yocum, Treasurer

Geoscience Information Society
Annual Business Meeting
Denver, Colorado, October 28, 2002

The minutes from the 2001 business meeting were approved.

President Michael Noga welcomed new officers and new members. The incoming Vice President is Lura Joseph and the incoming Secretary is Jim O'Donnell.

Annual Reports:

Vice President: Lisa Dunn reported no changes to her annual report published in the October GISIS Newsletter.

Secretary: Suzanne Larsen reported that one more person renewed at the meeting, otherwise the published annual report stands.

Treasurer: Patricia Yocum reported that expenditures are behind more than usual because proceedings from last years meeting and the membership directory have not yet been printed or mailed out. The Bristol account has been closed. Four CD accounts have been opened, two for the Ansari account and two more for money in the savings account. They can be cashed at any time. Patricia is considering buying short term CD's with checking account funds as well. The Society has run a deficit for the last four years. This year there is less of a deficit than the last. She suggested reworking the membership renewal form to better track gift money.

Auditor: Margy Walsh (who was not in attendance) has suggested that the terms be adjusted so treasurer and auditor do not coincide. We will need a new auditor next year.

Newsletter Editor: Connie Manson reported that some members may not be aware that they can receive the newsletter in electronic format. Let her know if you are not currently receiving it electronically and wish to. Money is saved on printing and postage by receiving it in that format. The deadline for the October newsletter is a problem because of deadlines for the annual meeting. It is difficult to get information like room assignments that far in advance.

Listserve Editor: Carolyn Lafoon reported that she is getting a lot of spam.

Publications Manager: Elizabeth Wallace reported that the Membership Directory and Proceedings from 2001 will be late.

Other annual reports are in the October GISIS Newsletter.

Updates from Committees and other issues:

Best Reference Work needs a larger membership to ensure that more of the members can review the books.

Digital Data Forum: Equipment rented from conference hotels is very expensive. Moving the session out of the conference area was discussed. It is good to be a GSA site so that it appears in the program and attracts others to the meeting. An issue is the nature of the charge to the commit-

tee; perhaps we need to move away from vendors. A new chair is needed. It was suggested that perhaps the Preservation and the Digital Data Forum group could work together since there is some common ground.

Many members feel that the Annual Meeting is too packed, not allowing time to go to talks.

Lisa Dunn asked that Digital Forum, Preservation, and GeoRef User group committees come up with ideas about when and how often they would like to offer programs and report back to her.

Exhibits: April Love is stepping down and a new chair is needed. To help with recruitment, she has given the Executive Board a summary of duties.

A suggestion was made to shorten GeoRef User's Group meeting time.

No guidebooks will be published for this GSA meeting. It was suggested that GISIS should formally tell GSA that guidebooks are important and should be published in some uniform, easily acquired manner for each annual meeting.

International Initiatives: Claren Kidd reported on the International Fellowship Program. It is aimed at developing nations. Previously we sponsored individuals from the Philippines and Albania. These were funded through Newmont Mining. There are specific criteria for choosing the person. The cost to sponsor an individual is about \$6,000 for 4 weeks. International Initiatives continues to investigate funding and is holding a "silent auction" for that at this meeting.

Claren also reported on trying to get literature to other nations. The AAPG Pipeline Program is a mechanism for that. Get in touch with Claren for more information. Journal runs are the best.

Membership Committee: It might be useful to find out how people find out about GISIS in order to attract more members.

Preservation Committee: This committee will have more of a presence at the meeting next year.

Public Affairs Committee will work on their charge.

Union List of Field Trip Guide Books report: The union list is now a digital database maintained by GeoRef and is free on the GISIS web page. Send new field guide title pages to AGI or submit a form. There may still be gaps in series. A new chair is needed.

AGI Member Society: A primary emphasis is now on K-12 education. There is a great need for earth science teachers at that level.

Government Affairs: There is a concern here with education issues as well.

GSA Publications Committee: Our representative was Connie Manson but is now Charlotte Derksen. It was a "hot" meeting. Charlotte was asked to talk about AGU and

Elsevier online initiatives. A new journal has been proposed: Structure and Tectonics. Some concern was expressed about the lack of publicity for the online journals. Charlotte registered a complaint about the guidebook issue.

The issue of best practices for electronic journals was discussed. It was suggested that something like that be put on the GSIS website.

CUAC: CUAC has worked to raise its visibility. It was asked for input about federal mapping and to make recommendations to committees for the National Map Project. There is some concern about agreements between USGS and other organizations that cause items to not be depository but rather for sale only. This is decreasing the material we get on deposit. An example is the Global Geographic Information Systems CD set: 4 were sent on deposit but the rest will be for sale only through AGI. The reasons given are that the software is not in the public domain and that non-USGS data was also used. AGI is selling the discs for \$29.95 each. There is also the possibility that Microsoft may not continue Terra Server.

Other issues discussed:

Advertising: Connie Manson brought up the question of whether we should allow or even solicit advertising for the Newsletter. An example might be an ad for a new book placed by a publisher. In the past we have reviewed or announced new books. Other non-profits accept advertising, why couldn't we? Sharon Tahirkheli explained that at AGI the understanding is that there is no problem as long as the revenue from advertising is less than the cost of the newsletter. If the revenue is too high then you must submit a form to the IRS.

Jim O'Donnell made the following motion: I move that the executive board consider the possibility of accepting paid advertising in the newsletter. It was seconded by Claren Kidd. Questions that arose in the discussion that followed included the ads that appear on Geonet. Is that different? Copy for the newsletter should be camera ready. This might be a way to groom sponsors for meeting support. The biggest expenses for the society are the annual meeting and publications. These have eaten into our capital resources. We might also allow advertising in our membership directory and proceedings. The motion passed unanimously.

The issue of changing the initialism was introduced. We are constantly being confused with Geographical Information Systems (GIS). There seems to be nothing in the articles of incorporation and bylaws to oppose a change. Shaun Hardy made a motion that the society begin referring to itself as the initialism GSIS. It was seconded by Connie Manson. The motion passed 31 to 11.

A motion that we spell the name of the society GeoScience Information Society on documentation only was made by Linda Newman and seconded by Suzanne Larsen. After much discussion the motion was withdrawn. The Executive Board will study the ramification of the issue and report

back at the annual meeting next year.

Noga expressed concern that officers have increased responsibility and that we need to look at charges. He suggested that committee chairs submit their wishes for changes in their committee charges to the President. Chairs can determine issues such as level of participation of committee members who cannot make it to the annual meeting. Recommendations on the size of the committee should also be made.

A request was made on information regarding a session we might hold at the International Geological Congress, which will be in Italy in 2004. It is too late to host a session but member could certainly attend.

Linda Muser made the following request: In order to support the improvement in citation to unpublished materials by geoscientists and in support of the recommendations of the National Research Council's Committee on Preservation of Geoscience Data and Collections, the Geoscience Information Society shall form a task force, which will work with other AGI member societies, to promote the adoption of citation to unpublished data and collections in the style guides and instructions to authors of the literature.

Adjourned.

Respectfully submitted:

Suzanne T. Larsen, Secretary

The Silent Auction

On October 28, 2002 the Geoscience Information Society's International Initiatives Committee held its first Silent Auction. Members brought items to the noon luncheon where they were labeled and recorded. The silent bidding continued through the afternoon and into the evening. At 8 pm during the Society's reception, the bidding ceased and people claimed their prizes. Included were handknit items, jewelry, books, translation certificates, rocks and minerals, and other items. It was fun to watch as bidders raised the prices for highly desirable items!

The Silent Auction was a success, yielding slightly over \$600 to be used by the International Initiatives Committee for the Fellowship Program. Hosting an International Fellow will cost about \$6,000. When the balance of the necessary funds are secured, the Society will advertise a four-week fellowship for a geoscience librarian from a developing nation. Our first Fellow (in 1998) was Arlene Marzo (National Institute of Geological Sciences, University of the Philippines) and the second Fellow (in 2000) was Theodhora Zoto (Albanian Geological Survey). Committee members are working to secure additional funding and look forward to soliciting Fellowship applications.

Claren Kidd

Chair, International Initiatives Committee

GEOSCIENCE JOURNAL PRICES

compiled by Michael M. Noga

This list of journal prices is a revision of the list that was distributed at the Denver 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 not priced in US dollars. Each journal price history comes from a consistent source as much as possible.

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

	1998	1999	2000	2001	2002	2003	change% 2000/2001	change% 2001/2002	change% 2002/2003
AAPG Bulletin	140	280	280	280	280	280	0.0	0.0	0
AAPG Explorer	50	50	55	55	63	63	0.0	14.5	0
American Mineralogist	320	430	430	480	530	580	11.6	10.4	9.4
Annales de Paleontologie	408	407	427	455	485	519	6.6	6.6	7
Annales Geophysicae	1124	1317	1380	1477	990	884	7.0	-33.0	-10.7
Annual Review of Earth Planetary Sci	140	140	148	148	165	180	0.0	11.5	9.1
Antarctic Science	322	330	340	340	364	390	0.0	7.1	7.1
Applied Geochemistry	499	584	657	823	877	942	25.3	6.6	7.4
Arctic and Antarctic Alpine Res	90	95	100	100	125	140	0.0	25.0	12
Astronomy and Geophysics	195	195	223	225	225	243	0.9	0.0	8
Australian Journal of Earth Sci	560	590	640	685	690	760	7.0	0.7	10.1
Basin Research	540	592	585	585	575	719	0.0	-1.7	25
Biogeochemistry	874	990	1046	1309	1427	1539	25.1	9.0	7.8
Boreas	189	199	210	215	226	238	2.4	5.1	5.3
Bulletin of Canadian Petroleum Geol	68	81	95	140	88	140	47.4	-37.1	1.1
Bulletin of Eng Geol & the Env't	n/a	244	270	270	289	329	0.0	7.0	13.8
Bulletin of the Seismol Soc of Am	270	280	300	320	350	360	6.7	9.4	2.9
Bulletin of Volcanology	596	643	675	722	786	829	7.0	8.9	5.5
Canadian Journal of Earth Sciences	510	556	612	655	701	773	7.0	7.0	10.3
Canadian Mineralogist	310	340	340	340	390	390	0.0	14.7	0
Carbonates and Evaporites	61	61	61	65	68	88	6.6	4.6	29.4
CATENA	810	784	917	979	1043	1121	6.8	6.5	7.5
Chemical Geology	2457	2379	2558	2973	3168	3406	16.2	6.6	7.5
Chemie der Erde	198	229	285	299	268	292	4.9	-10.4	9
Clay Minerals	175	191	208	208	223	256	0.0	7.2	14.8
Clays and Clay Minerals	190	195	200	205	220	235	2.5	7.3	6.8
Comptes Rendus de Ac Sci: E P Sci	614	598	636	662	676	594	4.1	2.1	-12.1
Computers & Geosciences	1443	1454	1563	1668	1777	1910	6.7	6.5	7.5
Continental Shelf Research	1312	1370	1473	1644	1751	1882	11.6	6.5	7.5
Contrib of Mineral & Petrology	2707	2698	2829	2971	3017	3279	5.0	1.5	8.7
Cretaceous Research	579	675	714	722	774	825	1.1	7.2	6.6
Deep Sea Research Pts. I & II	2775	2796	3142	3629	4068	4373	15.5	12.1	7.5
Doklady Earth Science Sections	2515	2691	2905	3170	3455	3766	9.1	9.0	9
Earth & Planetary Science Letters	2471	2490	2677	2857	3043	3367	6.7	6.5	10.6
Earth-Science Reviews	819	825	887	947	1009	1160	6.8	6.5	15
Earth Sciences History	50	50	50	50	70	70	0.0	40.0	0
Earth Surface Processes	1355	1595	1750	1920	2110	2290	9.7	9.9	8.5

Ecologiae Geologicae Helvetiae	706	534	573	612	635	679	6.8	3.8	6.9
Economy Geology	145	145	145	160	175	195	10.3	9.4	11.4
Engineering Geology	1000	1063	1143	1219	1298	1493	6.6	6.5	15
Environmental & Eng Geoscience	125	125	125	125	125	125	0.0	0.0	0
Environmental Geology	615	771	969	1037	1297	1389	7.0	25.1	7.1
Eos	340	357	369	402	440	440	8.9	9.5	0
Estuarine Coastal and Shelf Science	1279	1397	1539	1541	1650	1890	0.1	7.1	14.5
Evolution	170	170	170	190	250	250	11.8	31.6	0
Gems and Gemology	65	70	70	72	70	70	2.9	-2.8	0
Geoarchaeology	656	787	899	985	1099	1187	9.6	11.6	8
Geochemistry International	1980	2138	2890	2940	2940	3234	1.7	0.0	10
Geochimica et Cosmochim Acta	1410	1530	1644	1755	1869	2149	6.8	6.5	15
Geobios	180	180	180	180	145	160	0.0	-19.4	10.3
Geoderma	1707	1654	1778	1897	2020	2172	6.7	6.5	7.5
Geodinamica Acta	245	296	310	335	305	328	8.1	-9.0	7.5
Geodiversitas	133	178	154	149	136	147	-3.2	-8.7	8.1
Geofisica Internacional	70	70	70	70	80	100	0.0	14.3	25
Geoforum	630	668	718	766	816	877	6.7	6.5	7.5
Geografiska Annaler A: Phys Geog	148	160	171	181	189	220	5.8	4.4	16.4
Geolog	15	15	15	25	25	35	66.7	0.0	40
Geological Journal	545	645	705	775	850	930	9.9	9.7	9.4
Geological Magazine	324	338	354	354	412	444	0.0	16.4	7.8
Geology	350	355	355	387	450	475	9.0	16.3	5.6
Geology Today	271	296	326	344	348	406	5.5	1.2	16.7
Geo-Marine Letters	368	447	469	502	539	569	7.0	7.4	5.6
Geomicrobiology Journal	199	295	330	368	602	650	11.5	63.6	8
Geomorphology	1195	1264	1359	1451	1666	1791	6.8	14.8	7.5
Geophysical Journal International	1229	1355	1485	1545	1545	1455	4.0	0.0	-5.8
Geophysical Prospecting	501	563	607	653	711	772	7.6	8.9	8.6
Geophysical Research Letters	879	985	1180	1285	1405	1405	8.9	9.3	0
Geophysics	280	280	280	280	350	375	0.0	25.0	7.1
Geoscientist	95	100	107	114	122	121	6.5	7.0	-0.8
Geotectonics	487	528	580	650	710	770	12.1	9.2	8.4
Geothermics	734	803	863	921	981	1055	6.7	6.5	7.5
Global and Planetary Change	922	893	960	1024	1280	1376	6.7	25.0	7.5
Global Biogeochemical Cycles	295	318	440	484	528	528	10.0	9.1	0
Global Environmental Change	408	452	583	622	663	712	6.7	6.6	7.4
Grana	295	305	320	324	249	270	1.3	-23.1	8.4
Ground Water	165	200	220	224	260	260	1.8	16.1	0
Ground Water Monitoring & Remed	70	77	79	79	92	92	0.0	16.5	0
GSA Abstracts with Programs	129	129	129	140	120	135	8.5	-14.3	12.5
GSA Bulletin	350	350	355	387	450	475	9.0	16.3	5.6
Holocene	537	569	632	689	723	886	9.0	4.9	22.5
Hydrological Processes	1295	1795	1970	2165	2380	2585	9.9	9.9	8.6
Icarus	1830	2070	2777	2500	2663	2863	-10.0	6.5	7.5
International Journ of Earth Sci	460	552	587	628	709	769	7.0	12.9	8.5
International Journ of Coal Geology	1138	1348	1449	1547	1648	1771	6.8	6.5	7.5
International J of Rock Mech/Min Sci	1616	1767	1894	2021	2153	2314	6.7	6.5	7.5
Island Arc	460	485	526	560	600	670	6.5	7.1	11.7
Israel Journal of Earth Sciences	210	210	210	210	260	260	0.0	23.8	0
Izvestiya Physics of Solid Earth	714	775	850	952	1040	1123	12.0	9.2	8

Journal of African Earth Sciences	1172	1576	1694	1808	1926	2070	6.7	6.5	7.5
Journal of Applied Geophysics	690	668	834	891	949	1020	6.8	6.5	7.5
Journal of Asian Earth Sciences	721	783	842	898	957	1028	6.7	6.6	7.4
Journal of Atmos & Sol-Terr Phy	2190	2270	2440	2598	2767	2975	6.5	6.5	7.5
Journal of Coastal Research	145	145	145	145	155	155	0.0	6.9	0
Journal of Foraminiferal Research	80	80	80	80	85	95	0.0	6.3	11.8
Journal of Geochemical Exploration	968	896	1049	1119	1192	1281	6.7	6.5	7.5
Journal of Geodesy	571	675	678	725	823	839	6.9	13.5	1.9
Journal of Geodynamics	914	1086	1166	1245	1326	1426	6.8	6.5	7.5
Journal of Geology	86	96	109	113	124	136	3.7	9.7	9.7
Journal of Geophysical Research	4598	4965	5290	5800	6400	6400	9.6	10.3	0
Journal of Geosci Education	33	55	55	55	75	75	0.0	36.4	0
Journal of Hydrology	3621	3508	3772	4025	4287	4609	6.7	6.5	7.5
Journal of Metamorphic Geology	560	610	695	765	970	1183	10.1	26.8	22
Journal of Micropalaeontology	123	129	135	145	155	155	7.4	6.9	0
Journal of Molluscan Studies	220	250	325	340	366	392	4.6	7.6	7.1
Journal of Paleontology	99	110	113	116	128	145	2.7	10.3	13.3
Journal of Petroleum Technology	45	45	45	45	60	60	0.0	33.3	0
Journal of Petrology	595	700	760	800	875	965	5.3	9.4	10.3
Journal of Quaternary Science	655	825	905	995	1090	1185	9.9	9.5	8.7
Journal of Sedimentary Res	180	180	180	195	210	210	8.3	7.7	0
Journal of Seismology	247	265	279	298	325	351	6.8	9.1	8
Journal of South Amer Earth Sci	508	597	701	749	798	858	6.8	6.5	7.5
Journal of Structural Geology	1018	1036	1114	1189	1266	1361	6.7	6.5	7.5
Journal of the Atmos Sciences	475	495	510	520	545	570	2.0	4.8	4.6
Journal of the Geol Soc of London	641	673	720	770	824	885	6.9	7.0	7.4
Journal of Vertebrate Paleontology	195	195	210	250	250	250	19.0	0.0	0
Journal of Volcanol & Geotherm Res	1638	1698	1825	2086	2400	2580	14.3	15.1	7.5
Limnology and Oceanography	175	175	350	350	350	378	0.0	0.0	8
Lithos	802	828	931	994	1146	1232	6.8	15.3	7.5
Marine and Petroleum Geology	1123	1260	1417	1513	1612	1732	6.8	6.5	7.4
Marine Chemistry	1368	1456	1565	1670	1779	1912	6.7	6.5	7.5
Marine Geology	2345	2412	2593	2768	2948	3169	6.7	6.5	7.5
Marine Micropaleontology	879	851	915	977	1041	1119	6.8	6.6	7.5
Marine Pollution Bulletin	783	821	882	942	1003	1079	6.8	6.5	7.6
Mathematical Geology	595	645	720	780	780	819	8.3	0.0	5
Micropaleontology	240	280	310	310	310	330	0.0	0.0	6.5
Mineralium Deposita	742	922	911	975	1045	1140	7.0	7.2	9.1
Mineralogical Record	75	120	120	120	150	150	0.0	25.0	0
Mineralogy and Petrology	700	837	833	891	955	1022	7.0	7.2	7
Minerals Engineering	790	855	962	1027	1094	1176	6.8	6.5	7.5
Mountain Geologist	34	40	40	40	40	40	0.0	0.0	0
Natural Hazards	431	512	495	523	784	847	5.7	49.9	8
Natural Resources Forum	411	437	471	503	536	530	6.8	6.6	-1.1
Nature	595	595	650	775	775	920	19.2	0.0	18.7
Nautilus	45	45	45	56	56	56	24.4	0.0	0
New Zealand J of Geol & Geoph	210	210	225	225	225	305	0.0	0.0	35.6
Oceanologica Acta	358	363	370	386	370	362	4.3	-4.1	-2.2
Ore Geology Reviews	529	628	675	721	768	826	6.8	6.5	7.5
Organic Geochemistry	1965	2056	2210	2359	2513	2701	6.7	6.5	7.5
Origins of Life & Evol of Biosphere	354	414	400	424	462	498	6.0	9.0	7.8

Palaeo, Palaeo, Palaeo	2586	2553	2745	2929	3120	3353	6.7	6.5	7.5
Palaios	165	165	165	165	175	175	0.0	6.1	0
Paleobiology	65	65	69	72	80	90	4.3	11.1	12.5
Paleoceanography	280	299	319	329	358	395	3.1	8.8	10.3
Paleontological Journal	1192	1281	2075	2262	3315	3580	9.2	46.6	8
Petroleum Geoscience	217	229	212	227	243	247	7.1	7.0	1.6
Petrology	839	906	980	1069	1165	1270	9.1	9.0	9
Physical Geography	289	289	294	309	339	349	5.1	9.7	2.9
Physics and Chem of the Earth	1077	1636	1760	1878	2000	2150	6.7	6.5	7.5
Physics and Chemistry of Minerals	1173	1320	1469	1571	1679	1797	6.9	6.9	7
Physics of the Earth & Planet Inter	1845	1785	1919	2048	2181	2345	6.7	6.5	7.5
Planetary and Space Science	2096	2173	2336	2493	2655	2854	6.7	6.5	7.5
Powder Diffraction	105	105	105	105	105	105	0.0	0.0	0
Precambrian Research	1759	1703	1830	2032	2164	2327	11.0	6.5	7.5
Proceedings of Geologists Assoc	169	184	197	217	230	246	10.2	6.0	7
Proceedings of Yorkshire Geo Soc	114	122	129	137	147	147	6.2	7.3	0
Progress in Oceanography	1094	1286	1608	1962	2090	2246	22.0	6.5	7.5
Progress in Physical Geography	256	271	312	340	371	403	9.0	9.1	8.6
Pure and Applied Geophysics	1738	1986	2092	2236	2295	2456	6.9	2.6	7
Quarterly J of Eng Geo & Hydrogeo	307	322	345	369	413	412	7.0	11.9	-0.2
Quaternary International	614	691	743	792	844	908	6.6	6.6	7.6
Quaternary Research	380	430	486	545	580	624	12.1	6.4	7.6
Quaternary Science Reviews	1014	1151	1324	1413	1505	1618	6.7	6.5	7.5
Radiocarbon	118	125	120	120	160	175	0.0	33.3	9.4
Remote Sensing of Environment	1564	1660	1777	1896	2180	2344	6.7	15.0	7.5
Review of Paleobotany & Palynol	1552	1503	1616	1724	1836	1974	6.7	6.5	7.5
Reviews of Geophysics	265	280	280	280	300	300	0.0	7.1	0
Rock Mech and Rock Eng	228	259	278	299	320	395	7.6	7.0	23.4
Rocks & Minerals	n/a	74	74	84	91	91	13.5	8.3	0
Science	295	325	340	370	390	425	8.8	5.4	9
Scottish Journal of Geology	142	150	159	170	182	182	6.9	7.1	0
Sedimentary Geology	2115	2046	2199	2347	2500	2688	6.7	6.5	7.5
Sedimentology	729	802	835	809	808	947	-3.1	-0.1	17.2
Seismological Research Letters	85	90	90	90	108	115	0.0	20.0	6.5
Soil Science	195	215	236	261	305	343	10.6	16.9	12.5
Soil Science Society of Amer J	195	215	215	215	247	247	0.0	14.9	0
Stratigraphy and Geological Correl.	839	908	980	1068	1165	1270	9.0	9.1	9
Surveys in Geophysics	426	498	483	511	557	602	5.8	9.0	8.1
Tectonics	409	429	444	483	528	528	8.8	9.3	0
Tectonophysics	3362	3349	3600	3842	4092	4399	6.7	6.5	7.5
Terra Nova	502	537	558	563	558	651	0.9	-0.9	16.7
Water Research	2516	3243	3486	3721	3963	4260	6.7	6.5	7.5
Water Resources Research	720	720	845	919	980	980	8.8	6.6	0
							6.70%	8.20%	7.30%

n/a = not available or not applicable

Average Price Change =

USGS Library Scanning Project for 2002

by Nancy Blair

The USGS library has completed scanning for a prototype project. Everyone involved, library staff and contractors, found the project more difficult than foreseen, but we are eager to present the finished products for trials by outside users. Getting the files loaded and available has turned out to take much longer than expected. The process of scanning went fairly quickly. Everything else – preparing books for scanning, synching pages and graphics, merging images, loading servers, etc. – took longer than expected. We will put the files up for USGS users and then for public. We will announce the availability via the Geonet listserv as soon we can.

Current federal legislation and regulations emphasize the responsibility of agencies to preserve data gathered at public expense and to make the data easily available to the nation. USGS publications deposited in the National Archives and in libraries assure the preservation of physical copies. Converting text and graphics to digital files and providing access over the Web assure that old and current USGS research publications are universally available.

Unlike publications in many sciences such as nuclear physics or analytical chemistry, publications in the earth or natural sciences do not generally become obsolete. Researchers continue to trace back to original documents when studying a geographic area. Older publications about earthquakes, original mineral resource investigations, and geological studies of locations such as the Grand Canyon are very descriptive, without the heavy use of scientific jargon, and thus more accessible to non-scientific readers. Making these publications easily available to everyone adds value to the newer USGS research already in digital formats.

Part of the project was scanning 15,000 photographs selected from the Denver photo library. The subjects of the photographs included national parks, earthquake damage, and historic subjects. The photo library already had experience with digitizing mining photos issued in two editions of CD-ROMs in the Digital Data Series. The photographs were scanned with equipment in the library by a contractor and the photo librarian.

The larger part of the project was scanning USGS numbered series. Nearly 50,000 pages of materials were scanned including the following:

- a. Annual reports 1-17
- b. Professional papers 1-75
- c. National summaries in Water-Supply Papers to 1993
- d. Various maps and books in USGS series on the subject of earthquakes
- e. Various maps and books in USGS series on the subject of national parks.

These publications were scanned at the contractor's workplace. The scanned publications were taken apart during the scanning and not rebound. The library system sacri-

ficed one copy of each publication to expedite the project, but will retain the separated pages of each volume in case further scanning is needed.

There were many challenges for scanning. Some were foreseen and some not discovered until well into the project. A single publication could contain multiple small-type tables, diagrams, colored and uncolored illustrations, folded plates, and maps (often very large) folded in pockets in addition to text. Map sheets included important text and tables in addition to the graphics. Maps in the early publications were sometimes on two facing pages and had to be seamlessly meshed. Because many publications in this selection were published late 19th and early 20th century, the pages were often yellowed, mottled, tattered, and spotted from deterioration.

The Library of Congress double-keys the text of its historic documents served on the Web to assure readability. Although this method ensures a high level of accuracy and usability of the text, it is extremely expensive and slow. Our documents rely on Optical Character Recognition software to permit searching with fuzzy logic allowing a thorough search while minimizing the need for perfect OCR cleanup. The text viewer allows the user to switch between the OCR'd text for searching and the image for accurate representation of the original.

Text and graphical material including tables and colored and uncolored graphics were separately scanned to insure the best quality for the characteristics of each information format. All text was scanned with bi-tonal scans at 300 dpi and images were scanned with 24 bit color at 300 dpi or grayscale 300 dpi 256 shades of gray. Images were put back into the order that the pages and plates appeared in the original publications.

An archive set of DVDs or CDs provides a permanent electronic archive and copies will be made to allow for retaining sets at two or three locations for security. Images are in uncompressed TIFF files to be accessible in coming years despite changes in technology. These archival CDs have one document or a short sequence of documents per disk with no documents split between CDs.

The facilities for serving these documents will initially be a library server user and then, in accordance with policy, be part of the designated servers of USGS publications. Because of the size of these files, Web images need superior compression of the files. Several compression algorithms were experimented with on sample documents and Lizardtech's DjVu chosen to link to the HTML interface for viewing online.

As one means of locating each file, the library online catalog will have URL addresses in the appropriate field of Marc records. Clicking on the address in the online catalog will take the user directly to Web file where full text search-

ing can be used.

For 2003, we will be doing more scanning of USGS numbered series plus hope to start digitizing historic USGS map quadrangles. The library is taking over care of the cartographic historic map archive. We hope to coordinate with

outside projects continuing in California and Nevada, plus any others involving USGS publications, to save everyone time and money. We are coordinating our work with the USGS publications staff in Denver who are starting to scan open file reports with compatible specifications.

ANNOUNCEMENTS

AMS Backfiles to Become Freely Available

The American Meteorological Society has announced a program which will make older issues of AMS freely available online. As stated in the Sept. 2002 issue of the AMS Bulletin, p. 1361, "45 Beacon--Letter from Head-quarters":

"The Legacy Collection (pre-1997 issues) was created using funds 'borrowed' from the AMS Reserve fund, and income from subscription sales of the collection is being used to restore the Reserve Fund. ..the Council has authorized that the price of the Legacy Collection be ramped down to zero over the next few years with the collection becoming freely available once its cost has been recovered." At that point issues behind a five year moving wall will automatically become available.

AGI Teams with USGS to Distribute Global GIS Database

The American Geological Institute (AGI) and the U.S. Geological Survey (USGS) announce that they have signed a cooperative agreement for the distribution of the USGS Global Geographic Information System (GIS) database to educators and the general public. The Global GIS Series is a digital world atlas consisting of one DVD-ROM with the entire data set or seven regional CD-ROMs.

The USGS Global GIS database contains a wide range of information from the USGS archives and from other public domain sources, including geology, hydrology, volcanoes, seismicity, ore deposits, energy resource data, climate

data, and ecological regions. Other useful geographical and cultural data, such as country boundaries, locations of cities, elevations, population density, roads, airfields, and utility lines, are also included in the atlas.

We think this is a fantastic educational opportunity," said Marcus E. Milling, AGI Executive Director. "The integration of these data at a global scale will help demonstrate basic principles of Earth science and provide the most effective kind of instruction for students. Furthermore, the data package dovetails very well with AGI's existing K-12 curricula."

"Through this partnership, our organizations can work together to facilitate access to global spatial data sets and easy-to-use GIS tools, and also provide a global perspective on Earth science issues," said Barb Ryan, USGS Associate Director for Geography. "Such a global perspective is a natural progression from the national perspective provided by the National Map and the National Atlas."

At a scale of 1:1,000,000 or approximately 1 km resolution, the data are ideal for government officials, researchers, educators, the private sector, and the general public for conducting regional-scale customized analyses using the GIS software provided with the atlas or using commercially available ArcView software. The agreement also provides significant opportunities for expanding the use of global geospatial data, particularly for incorporation into new educational materials.

LITERATURE REVIEWS

by

Carol J. La Russa

The Copyright Corner section of the November 2002 issue of *Information Outlook* has a short article by Laura Gasaway on maps and copyright. For a map to be eligible for copyright it must be an original work involving some creativity and must be fixed in a tangible format. Copyright is problematic for maps because most maps are compilations of facts that are not copyrightable. Maps produced by the government of the United States are in the public domain. Compilations of maps may be eligible for copyright even though the individual maps are not. Maps are not covered under the provisions of Section 108 for copying for interlibrary loan. Fair use probably only applies to copying a part

of map. ("Maps and Copyright," v. 6, no. 11, p. 40-41).

The November 2002 issue of *College & Research Libraries* has a list of crisis, disaster, and emergency management web sites. It includes general web sites for emergency management, homeland security, health, terrorism, business aspects, and risk assessment and management. (Martin P. Courtois and Clair B. Rubin, "Crisis, Disaster, and Emergency Management: Web Sites for Researchers," v. 63, no. 10, p. 723-726).

Walt Crawford gives a nice one-page summary of where we are now in the continuing scientific, technical, and medical serials crisis. The problem of increasing STM

serials prices has been ongoing for nearly thirty years. Online journals have definitely not led to price reductions and maybe not even to reduced costs. Electronic journals and SPARC titles have had only a small effect on the crisis. Academic libraries have been unable to resist the temptation to sign "big deal" electronic journal contracts with major publishers. Some favor abandoning journals and using only web-based materials such as preprint servers. ("Beware What You Wish for: Online Journal Quandaries," *American Libraries*, v. 33, no. 10, November 2002, p. 65).

The Association of College & Research Libraries Personnel Administrators & Staff Development Officers Discussion Group's Ad Hoc Task Force on Recruitment & Retention Issues has issued a white paper titled "Recruitment, Retention & Restructuring: Human Resources in Academic Libraries." The paper looks at the current high demand for librarians, the aging of the librarian workforce, the static or declining numbers of new graduates of MLIS programs, the increased opportunities for potential librarians in other professions, the low salaries, and a "lingering negative image of the profession." Recruitment efforts should be increased and working conditions improved. The use of non-MLIS personnel with advanced degrees should be considered for certain positions. Individuals with bachelor's degrees in information science might be suitable for some positions.-(Final Draft: May 20, 2002, www.ala.org/acrl/recruit-wp.html).

In an article in the September 2002 issue of *The Journal of Academic Librarianship* Edward Proctor looks at the problems caused by spelling when searching the Internet. The Web is full of spelling variations. Some are inadvertent errors, some deliberate; some from British vs. American spellings, some from transliteration, etc. In any event spelling variations can greatly reduce recall when searching. Some search engines provide automatic correction. They may or may not warn users of what they are doing and they may or may not allow the user to restrict the search to misspellings. Some web sites have tried to profit from common misspellings by registering misspelled versions of web site names to direct users to unintended sites. Other web sites register common misspellings of their web site name so spelling-challenged customers still can find them. Proctor believes search engines need to be able to handle spelling

variations. More flexible truncation abilities would also help. Database search software also needs to be able to handle common misspellings. For now searchers need to add variant spellings and misspelling to search queries if comprehensive results are needed. ("Spelling and Searching the Internet: An Overlooked Problem," v. 28, no. 5, p. 297-305)

A new article in the October 2002 issue of *D-Lib Magazine* follows up on an earlier article in the same journal on the conversion from print to online versions of journals at the library of Drexel University. In this article Carol Hansen Montgomery and Donald W. King make an attempt at comparing costs for print and online journals. They looked at costs relating to space, systems, supplies and services, and staff time. Staff costs were reduced by the decision to rely on an e-journals list and not to catalog e-journals. They conclude that e-journals average about \$2.00 per use, current print journals about \$8.50 per use, and bound journals about \$30.00 per use when binding and storage costs are included. ("Comparing Library and User Related Costs of Print and Electronic Journal Collections," v.8, no. 10, October 2002, www.dlib.org/dlib/october02/montgomery/10montgomery.html).

In "Tapping the Web for GIS and Mapping Technologies: For All Levels of Libraries and Users" Kimberly C. Kowal describes levels of GIS and mapping information available on the Web and shows how libraries can provide appropriate services for them. Kowal sees three levels of GIS and mapping needs. The first is high level need when the user needs georeferenced data and access to GIS software. The Web can provide data; the number of libraries able to provide software and the necessary computer power are increasing. Midlevel needs are those that can be satisfied with interactive mapping applications available on the Web such as the National Atlas of the United States. Libraries need up-to-date browsers and fast connections to provide this level of service. Low level needs can be met by downloading already existing maps available on the Web such as those from the David Rumsey Historical Collection. If libraries don't want to disappoint their users they will need to have adequate computers for downloads, fast connections, and good printers. (*Information Technology & Libraries*, v.21, no. 3, September 2002, p. 109-114).



JOB ANNOUNCEMENTS

Map Librarian, University Libraries, University of Colorado, Boulder

This is a tenure-track faculty position reporting to the Head of the Earth Sciences and Map Library. The Map Library is located in the Jerry Crail Johnson Earth Sciences and Map Library in the Benson Earth Sciences Building. Duties include providing reference service for the map collection and, to a lesser extent, the Earth Sciences Library; collection development for map and cartographic material in all formats, including digital data; assistance in the use of geographic information systems; continuing development of the Map Library web page that provides access to map-related Internet resources; and providing bibliographic instruction. The position will supervise the cataloging of maps to provide bibliographic access through the Libraries' online catalog. The collection is currently partially uncataloged. This position supervises two classified staff members. A significant part of this position involves research and creative work and a commitment to service in keeping with the tenure standards of the University of Colorado at Boulder.

Requirements: Master's degree from an ALA-accredited library school or equivalent completed by July 2003, class work or experience with a map collection, demonstrated experience with electronic information resources, experience or class work related to geographical information systems (GIS), excellent oral and written communication skills, potential for research, and a strong commitment to public service.

Preferences: Some of the following desirable qualifications can be satisfied by class work as well as by experience: work experience in a research-oriented library; supervisory experience; cataloging experience; knowledge of map cataloging practices; web page development; working knowledge of government publications; experience with digital spatial data; and collection development experience. A graduate or undergraduate degree in geography, cartography or geology is preferred. Two or more years of experience in a college, university, or research-based map collection.

Appointment and Salary: The successful candidate with demonstrated accomplishments in research and creative work will be appointed as a full-time (12 month) Assistant Professor on the tenure track. The Libraries anticipates hiring at the assistant professor level. Applications at all levels may also be considered from those who would strengthen the Libraries' diversity. A successful candidate with promise in research but lacking an established scholarly record will be appointed as an Instructor (non-tenure track) for two years, with promotion to the tenure track and the rank of Assistant Professor upon a successful review. Starting salary range will be \$36,000 - 43,000, according to the candidate's qualifications. Benefits include 22 working days vacation; 10 paid holidays; liberal sick leave; University group

health care plans; group life insurance; TIAA/CREF retirement/annuity; and support for scholarly/professional activities. Tenured librarians are eligible for sabbatical leaves.

Application Deadline: To ensure full consideration, applications should be received by December 1, 2002. The search will remain open until the position is filled.

Send letter of application specifically addressing qualifications for the position; resume; and names, addresses, and telephone numbers of three references to Scott Seaman, Associate Director for Administrative Services, University Libraries, University of Colorado at Boulder, Boulder, CO 80309-0184. The University of Colorado at Boulder is committed to diversity and equality in education and employment.

Suzanne T. Larsen, Head,
Jerry Crail Johnson Earth Sciences and Map Library
University of Colorado, Boulder
184 UCB
Boulder, CO 80309
303-492-6133 - Library; 303-492-4611 - Office
303-735-4879 - Fax

Head, Earth Sciences and Map Library, University of California, Berkeley

Associate Librarian/Librarian; \$42,996 - \$64,164 per annum, based upon qualifications

Reporting to the Associate University Librarian, Director of Public Services, the Head of the Earth Sciences and Map Library manages the unit staff and provides overall direction for its library programs and services; acts as the primary liaison to faculty in the Departments of Earth and Planetary Science, and Geography. The incumbent is responsible for the library unit budgets, both operations and collections. The Head coordinates collections in support of its academic departments and in support of its map collection, which is heavily used to support many academic disciplines on campus. The head coordinates all user services provided by the Earth Sciences and Map Library, including reference; instruction, circulation, collection development, outreach, and Internet based services.

Effective management of this unique, cross-disciplinary campus resource requires familiarity with geological and planetary sciences, geography, map reading and map cataloging, and an appreciation for the interdisciplinary nature of traditional maps and the developing array of integrated geographic and geo-spatial information systems. The Head of the Earth Sciences and Maps Library will be expected to support and act as a partner in the continued development of geographical information systems on the UC Berkeley campus and within the wider academic community.

UCB librarians are expected to participate in library-wide planning and governance, to work comfortably in a shared decision-making environment, and to be active pro-

professionally. Contributions beyond the primary responsibilities, e.g. active participation in university and professional settings, publications or other research and creative activity, are required for advancement in the Librarian series. Depending on the level of appointment, candidates must show evidence or promise of such contributions.

Qualifications: *Required:* An MLIS from an ALA accredited institution, or equivalent degree, and relevant professional experience. Experience with search, retrieval, and manipulation of electronic databases for academic research. Understanding of trends, concerns, and methods of scientific research in an academic setting. Demonstrated ability to evaluate and use appropriate technology to improve staff efficiency and enhance and deliver library services; knowledge or understanding of the special challenges inherent in managing a major map collection; and experience working with computer hardware and software including Windows. Excellent interpersonal and communication skills, and the ability to meet deadlines and to work productively and collegially within an environment of rapid development and change.

Preferred: Collection development experience or subject specialization in the physical sciences, preferably earth

and planetary sciences and/or maps. Knowledge of appropriate information resources and the issues relevant to these specialties. Familiarity with geographical information systems, and a willingness to partner with others on the campus in their advancement. Knowledge of cataloging and technical processing issues, especially those that apply to research materials in the earth, atmospheric, and space sciences, including maps. Demonstrated interest in professional and/or scholarly activities (research, publication, or teaching).

Deadline: Consideration will be given to applications received by December 6, 2002.

You may mail your application package to:

Barbara Kornstein
Interim Academic Personnel Coordinator
Library Human Resources Department
447 The Library
University of California
Berkeley, CA 94720-6000

Or FAX to: 510-642-8675

Or EMAIL: librec@library.berkeley.edu

The University of California Is an Equal Opportunity,
Affirmative Action Employer

PUBLICATIONS

A new book, *Dinosaurs—The Science behind the Stories*, produced by the Society of Vertebrate Paleontology and the Paleontological Society and published by the American Geological Institute, aims to change the way we learn about dinosaurs by helping youngsters—as well as teachers, parents, and grandparents—discover the complete world they once inhabited. This more encompassing approach to learning about dinosaurs and the times in which they lived will also help the reader understand how Earth continues to develop and change.

Copies are available from AGI at a list price of \$29.95. Members of AGI member societies receive a 20% discount. Orders may be placed through the AGI Publications Center at <http://www.agiweb.org/pubs>, or by mail, telephone, fax, or e-mail (American Geological Institute, Attention: Publications Center, 4220 King Street, Alexandria, VA 22302, Tel: (703) 379-2480, Fax: (703) 379-7563, E-mail: pubs@agiweb.org).

A new poster, *Water—The Essential Resource*, produced by the American Geological Institute (AGI), vividly details the many roles that water plays in our lives and describes ways that every citizen can protect and preserve this indispensable resource.

The front side of the 18" x 24" poster illustrates where water is found—such as glaciers, ice, rivers, oceans—and traces the processes of precipitation, evaporation, and transpiration that continually drive the water cycle. Instructions for determining approximate home water use and estimating the amount of water wasted in the home are provided on the back. The poster also lists the names and web sites of 16 organizations concerned with water supply and use.

The poster was designed as a companion to a non-technical book, *Water and the Environment*, which will be available in November and will include a copy of the poster. The poster and book are part of the AGI Environmental Awareness Series, which aims to increase public awareness and understanding of the natural systems that sustain society and life.

Copies are available from AGI for \$0.50 each (minimum order is 10 copies) plus shipping and handling. Bulk pricing is offered for purchases of more than 100 copies. Rolled posters, suitable for framing, are \$3.00 each. To place an order, contact the AGI Publications Center, 4220 King Street, Alexandria, VA 22302; Tel: (703) 379-2480; Fax: (703) 379-7563, E-mail: pubs@agiweb.org.

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. 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

GSIS Newsletter (ISSN 0046-5801) published bimonthly; calendar year subscriptions only. United States and Canada \$ 40.00; other countries (via airmail) \$ 45.00

Mailing labels: Geoscience Information Society member mailing labels: Single use labels \$ 100.00.

Send orders to:

Elizabeth Wallace, Science & Technology Libraries,



GEOSCIENCE
INFORMATION
SOCIETY

newsletter

GSIS Newsletter Editor
Connie J. Manson
2525 Sleater Kinney Road N.E.
Olympia, WA 98506

OLY P&DF, WA. 17:51 12/09/02



Serials Department
126 Paterno Library
Pennsylvania State University
University Park PA 16802-1808

