



GEOSCIENCE
INFORMATION
SOCIETY

newsletter

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PRESIDENT'S COLUMN

Reno rose to the challenge of hosting one of the largest GSA meetings ever. A light blanket of snow greeted many of us when we arrived, but our luck held. Everyone survived our field trip to the Donner Pass and after a description of the rigors of spending a winter under twenty-two feet of snow with no food, we all attacked lunch with gusto. A short shopping expedition in historic Truckee capped off the trip. Many thanks to Linda Newman for planning this event in conjunction with the annual WAML meeting!

Our program got underway on Monday with our joint session with the Association of Earth Science Editors. We were treated to descriptions of the new types of archival issues that face state surveys, national libraries, publishers and scientific societies. Elaine Clement, chair of the Preservation Committee, presided over the session and coordinated with our AESE counterparts. Great job, Elaine!

Our Collection Development Forum, organized by Steve Hiller, allowed us to interact with two major geoscience publishers, the Geological Society of America and the American Association of Petroleum Geologists. Licensing of their electronic publications to libraries was the topic and both societies provided information on their current approach. A lively discussion of the difficulties of licensing to libraries, providing access to individuals, and maintaining sufficient revenue to continue publishing allowed Geoscience Information Society members to provide input into the decision process for both societies.

The Topical Session, Electronic Information Summit,

covered a range of topics including a far-reaching view of the future, geographic information systems in libraries, portal development for accessing Web resources, copyright in an electronic world, migration from print to electronic media, and digital libraries. Thanks to Jim O'Donnell for presiding and providing introductory remarks. I'm looking forward to seeing the papers in the proceedings volume.

The GIS luncheon was the scene for our annual presentation of awards. We were lucky to have Mary B. Ansari in attendance and after the award for the Mary B. Ansari Best Reference Work was made, she presented GIS with a check for \$5000 to enable the continuance of the award. Many thanks to Mary for her generosity!

The Digital Database Forum focused on geographic information systems. Adonna Fleming did a tremendous job of putting together a panel of experts. Ranging from digitization projects to commercial products, the panel provided a wide overview of GIS that we all need to know about.

Our International Fellow, Theodora Zoto, filled us in on the geoscience information situation in Albania and proposed to establish exchanges with many libraries in the United States. Before attending the Reno meeting, Theodora visited several libraries in the U.S., including the USGS library in Reston, the Carnegie Institution library and Penn State. She hopes that what she has learned about library automation will help her with the automation of her own library.

My last job at Reno was to attend the GSA Associated Societies breakfast. GSA would like to develop closer ties with its Associated Societies. Prior to the meeting, a proposal to distinguish between societies that have integrated annual meetings with GSA and other societies that are simply affiliates was circulated. A lively discussion ensued over the definition of associates and affiliates. A meeting was planned for early 2001 to continue the discussion and develop a means for societies to have input into GSA Council meetings.

I would like to thank all the committee chairs, the Executive Board, all the volunteers in the GIS exhibit booth, and everyone who worked toward making this meeting a success. Our dedicated volunteers helped make this an exciting meeting and I wish the best to Michael Noga, Vice President, as he begins the process of developing the plans for next year's

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GIS members are encouraged to contribute materials for publication. Material for the February, 2001 issue should be received no later than January 26, 2001. If possible, please send materials by e-mail or on DOS-compatible disc.

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meeting in Boston. Michael will be looking for volunteers to serve on a Program Committee. Yes, that is a hint!

Speaking of committees, if you haven't already indicated a committee preference, please let me know. We

have lots of opportunities and, while serving on a committee takes some effort, it is usually extremely rewarding. My next task is to develop committee lists, so give it some thought.

VICE PRESIDENT'S COLUMN

Remember Reno? And now for something completely different...Boston!

GSA meets in Boston next November. The conference venue will be quite a contrast from Reno. Hynes Convention Center is connected to the Marriott, Sheraton, and Westin Hotels, so you won't have to go outside if our meetings are there. Other hotels are close by.

The GSA Conference theme is "2001: a Geo-Odyssey." I have visions of HAL controlling room assignments or the Monolith making a sudden appearance at our Business Meeting. Perhaps our reception will have a nice soundtrack of Strauss waltzes.

To fit the conference theme, I have chosen "Geoscience Information: a Dynamic Odyssey" for the title of our Topical Session. Now you may ask, what does this mean? I think that the start of a new century is a good time to look at changes in the geoscience literature. I am looking for talks that cover the dynamics of geoscience communication today. For example, you might talk about integrating Web sites with course instruction. Perhaps you are involved in a project to tie e-journals, databases, and catalogs into a single resource. Or maybe you know about some other mechanism that changes the way geoscientists communicate.

The jobs of geoscience information specialists are also dynamic. Think about how your position has changed, and

in what ways it has not changed. I am interested in talks that look at changing ways of meeting the needs of our users. What are the internal and external pressures? Do you serve different users or extend the services that you offer to traditional users? I am considering talks on changes in libraries that serve industry, geological surveys, and academia.

A third dynamic area is the perception of the value of libraries and organized collections of geoscience information. As the diffusion of geoscience information moves to digital formats, geoscience information specialists have to validate the need for library resources to their funding authorities. I am interested in talks that show how you measure the value of your library and services.

I encourage speakers to mention decision-making in their presentations. For example, if you present a talk on your enhanced document-delivery service, I would like you to talk about what caused you to start the service? Did a substantial serials cut require other means of providing literature? Did you want to provide access to more literature than your normal ILL partners could handle?

Please contact me if you have ideas for presentations or questions in general on the topical session.

By the way, there will be a field trip. I am planning a walking tour focused on the original shoreline of Boston.

MEMBER NEWS - December 2000

New Member

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Career Moves

Timothy M. Keel is now Cataloger at:
Curtis Laws Wilson Library
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University of Missouri-Rolla
Rolla MO 65409-0060
phone: 573-341-4014

Directory Changes

Kay G. Johnson
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Knoxville TN 37996-1000
new phone: 865-974-6913

Anne H. Krum
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Services Integration Group
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Announcement

Miriam Sheaves was married in October and has changed her name to Miriam Lyness Kennard. Congratulations and best wishes, Miriam!

GIS Executive Board Meeting
November 12, 2000
Reno, Nevada

Attending: Blair, Brown, Clement, DeFelice, Derksen, Haner, Hardy, Heiser (presiding), Hiller, Kidd, La Russa, Laffoon, Love, Manson, McGarry, Noga, O'Donnell, M. Scott, S. Scott, Tahirkheli, Wallace.

I. MINUTES

Heiser called the meeting to order at 9:00 AM. The minutes of the previous Board meeting, published in the December 1999 Newsletter, were approved.

II. ANNOUNCEMENTS

Heiser introduced our incoming Vice-President/President-Elect, Michael Noga; incoming Secretary Suzanne Larsen was expected to arrive later. Mary Scott was thanked for agreeing to serve as conference photographer in Diane Baclawski's absence; Linda Newman, for preparing GIS conference ribbons; and Claren Kidd, for bringing along GIS mugs and paperweights to be presented to this year's award recipients. Heiser asked the officers, representatives, and committee chairs present to confine their remarks to changes/updates to their published annual reports.

III. OFFICERS

Vice-President/President-Elect. Tahirkheli had no changes to report.

Past President. Derksen had no changes to report.

Secretary. Hardy reported that the Society's membership stands at 203 as of November 1 -- a net loss of 20 compared to last year. A handout with statistics for 1990-2000 was distributed. He expressed concern with the low renewal rate for last year's sponsored members: only 2 of 11 became regular members this year. Hardy also observed that, while nearly \$400 was contributed this year to the sponsored member fund, no memberships were awarded because no formal mechanism exists for selection of such members. He proposed that the sponsored member program be de-coupled from the International Fellowship program, and that perhaps library school students should be eligible to apply; Manson and Kidd concurred. Heiser suggested the matter be discussed further at the Business Meeting.

Treasurer. Love distributed a draft budget report, noting that it is still being revised. She observed that actual revenues for 2000 have fallen below projections, especially for publications. Wallace commented that many standing order payments have not yet arrived. Love asked for guidance on preparing a budget proposal for 2001; Heiser suggested using last year's as a guide, and increasing the amount budgeted for meeting expenses by at least \$1,000. Derksen pointed out that the entry for actual expenses for "2000 Meeting" actually belongs under the 1999 Meeting.

Love reported that the Bristol Fund currently stands at around \$1,800. Kidd reported that this year's International Fellowship expenses totaled approximately \$5,300. Derksen asked if GSA might be willing to grant a sponsored registration (i.e., fee waiver) for future Fellows and Kidd agreed to investigate. Love is looking into the feasibility of our obtaining a corporate credit card, particularly for prepayment of Fellowship- and conference-related expenses. Everyone agreed this would be highly desirable. Manson inquired about the interest rate being returned by our investments and the type of CDs held; Love replied that the fiscal data is still incomplete, but that she will investigate and report back later.

IV. APPOINTED OFFICERS

Newsletter Editor. Manson reminded those present of the Newsletter deadlines. Derksen asked Manson to express our dissatisfaction with GSA's new site license proposal at the next GSA Publications Committee meeting.

Publications Manager. Wallace had no changes to report.

GEONET-L Moderator. Laffoon reported that the listserv archives (1993-date) needs a new home. With Heiser's impending retirement from Indiana University, the archives can no longer be maintained there. Purdue seems the logical choice and negotiations are underway to transfer the files. Discussion followed on whether all the messages need to be retained permanently, or if ephemeral material could somehow be culled. It was decided to ask the Archives Committee to investigate the possibility of "filtering" only the most important messages. Laffoon observed that she retains all the listserv traffic on her computer for 30 days.

Web Master/Website Advisory Committee. O'Donnell reported that the new logo has been incorporated throughout the web site, except for the front page. Heiser asked if we know the number of hits to the site; O'Donnell agreed to look into setting up a counter. Hardy suggested that a permanent e-mail address be established for the Society (e.g., secretary@geoinfo.org), to facilitate communication with publishers, editors, and external agencies. O'Donnell and Tahirkheli felt that this should be possible, but will have to consult with computer systems staff at AGI.

Reviews Editor/Publicity Officer. La Russa reported that she is working on publicity for the International Fellowship program. M. Scott was asked to photograph the Awards Luncheon, GIS reception, and as many speakers and committee meetings as practicable.

V. COMMITTEES

Collection Development Issues. Hiller had no changes to report.

Exhibits. S. Scott announced the exhibit hall hours and thanked Love for her help in setting up this year's GIS booth. Our exhibit features the theme "digital libraries," and highlights sites mentioned in the conference sessions. Scott stressed the urgent need for new, active members on the Committee – exhibits are an important outreach for the Society and more help is needed to plan and staff them. She also suggested we consider promotional products, such as imprinted pens and pencils, as a marketing tool.

GeoRef Users' Group. Blair announced the planned program for this year's meeting: a GeoRef update by Tahirkheli and a review of the various vendors/platforms offering GeoRef access. O'Donnell offered to speak on the new implementation by Cambridge Scientific Abstracts.

Guidebook Standards. Kidd reported that one hundred copies of the Standards have been distributed through the AAPG and its affiliates.

International Initiatives. Kidd recapped the itinerary of our International Fellow, Theodora Zoto, in the Washington, DC area and at Penn State, and thanked the GIS members from her various host institutions. She encouraged everyone present to introduce themselves to Theodora during the course of the conference.

Membership. DeFelice circulated copies of the new membership brochure/application form. She reported that the Committee has already mailed copies to fifty geoscience libraries in Arizona, New Mexico, Texas, and Mexico, and plans to expand the distribution to other parts of the country.

Nominating. Derksen had no changes to report.

Preservation. Clement had no changes to report.

Union List of Field Trip Guidebooks. McGarry reported that J. Mulvihill (chair) is trying to get together with Union List inputters/editors to get the workflow moving. Heiser suggested that more publicity is needed to revive interest in the project; since it is no longer a print publication, people tend to forget it's there.

Ad Hoc Committee for the Directory of Geoscience Libraries. Wallace reported that she and Manson have begun considering the future of the Directory. Wallace questioned whether a new print edition would have any market value, pointing out the relatively weak sales of the last (5th) paper edition in 1997; an all-electronic publication may be preferable. Heiser asked the Committee to prepare a proposal for the Business Meeting on how best to proceed, and encouraged interested members to provide their input to Wallace or Manson.

Ad Hoc Committee on Career Information. Haner indicated that the new "Careers in Geoscience Information" brochure, written chiefly by J. Hallmark, will be available at the GIS booth.

VI. REPRESENTATIVES

AGI Environmental Geoscience Advisory Committee. DeFelice indicated that she cannot attend the meeting, but will prepare a report for the Newsletter. A proposal for GIS to sponsor a publication on environmental geoscience information was discussed briefly, but the consensus of the Board was that the expense would likely be prohibitive.

AGI Government Affairs Program/GIS Public Affairs Committee. Heiser reported briefly, in M. Dvorzak's absence. The year's flash points included the proposed dismantling of NTIS and the threat to the Federal depository library program raised by electronic dissemination of U.S. Government publications. Heiser suggested that the Society needs to look carefully at the growing problem of a lack of information about government publications; the Professional Issues Forum was mentioned as a possible venue for discussion. Derksen pointed to maps as a particularly problematic area and observed that the matter is also relevant to the Collection Development Committee.

AGI Member Society Council. Derksen observed that a surprising diversity of perceptions on electronic publishing exists among member societies; she will report more fully in the Newsletter. Hiller announced that a representative from GSA will attend the Collection Development Issues meeting to answer questions about GSA's new site licensing terms for libraries.

AGI Publications Advisory Committee. Noga reported that the Committee has been inactive. Tahirkheli added that AGI no longer has a central publications department; publishing is now a decentralized activity.

NSF DLESE Steering Committee. DeFelice expressed a strong desire to see her successor on the Steering Committee come from GIS, stressing the important perspective that librarians bring to the initiative. She encouraged members to attend Monday's "Hot Topic" presentation on DLESE for more information.

Western Association of Map Libraries. Blair gave a brief recap of the recent meeting's topics, particularly the decentralization of publishing at the USGS – each division now handles its own publications, resulting in considerable communication difficulties. She encouraged members to write to the Survey administration if they have particular concerns to express regarding publications. A report will be submitted to the Newsletter.

VII. OLD BUSINESS

New Awards. Heiser announced that the Preservation Committee will look into creating a new annual award for the "Best Preservation Project" at their next meeting. She also solicited expressions of interest in a "Best Web Site Award." O'Donnell offered to discuss the idea with the Website Advisory Committee. Heiser advised both groups to work toward instituting these new honors at next year's meeting.

Bristol Fund. Heiser reviewed the various proposals considered to date for utilizing the Ruth Bristol Fund, stressing the donor's express interest in fostering secondary education: gifts to high school libraries of geoscience magazine subscriptions, videos, electronic publications, etc. Hardy and Kidd felt that earth science teachers need to be involved for any initiative to be successful. Tahirkheli recommended contacting NESTA, and agreed to get together with NESTA members and education specialists from AGI to identify worthwhile endeavors. The chief problem appears to be how to solicit and select recipient schools/libraries. A proposal to form a task force to develop recommendations will be presented at the Business Meeting.

Ad Hoc Committee on Instruction/Information Literacy. Tahirkheli announced that Patricia Yocum will chair an organizational meeting for the Committee on Monday, and that all are welcome.

VIII. NEW BUSINESS

GeoInfo VII. Heiser gave a status report on plans for the next International Conference on Geoscience Information. The Australian Geoscience Information Association (AGIA) is still considering hosting the meeting in 2002/2003, but the situation there is in a state of flux and AGIA has notified GIS that they will need a few more months before firmly committing. Haner stated that the Scandinavian librarians at GeoInfo VI in Washington seemed interested in hosting the next meeting, if Australian plans did not materialize. Kidd advised putting plans on hold pending further communication from AGIA, even if it means delaying the conference by another year; the Board agreed that no further action at this time would be prudent.

Online Membership Directory. Hardy requested that the Society identify a new host site for the online Directory (currently maintained on the Carnegie Institution's web server). AGI was suggested as the logical choice. Further, O'Donnell expressed the desirability of having one common search engine for all of the Society's online features: its web pages, the Membership Directory, and the (proposed) Directory of Geoscience Libraries. O'Donnell will work with Tahirkheli and AGI technical staff to explore the possibilities.

GIS Memorabilia. Heiser proposed that GIS paperweights and/or mugs be presented as gifts to awardees, Fellows, and new members until the current supply is exhausted. The inventory will be transferred to S. Larsen to distribute.

Electronic Reference Referral System. Derksen invited discussion on the feasibility of automating the referral and answering of electronic reference questions (similar to what we do informally now on GEONET-L). Hiller and Wallace described an LC-mediated project, currently in trial, for "brokering" online reference queries. Derksen envisioned the ideal system as one that could keep track of who will reply to which questions, to eliminate redundancy; La Russa

noted the waste of effort when multiple people reply to the same GEONET-L query. Hardy observed that the amount of reference traffic on GEONET-L is not that great; further, since librarians have traditionally turned to specialist listservs for reference assistance outside their areas of expertise, simply increasing awareness of GEONET-L among the library community at large might be sufficient. It was agreed that people posting queries on GEONET-L should be encouraged to reply to the list when they've received the information they sought, both to provide closure and to illustrate the effectiveness of the listserv.

Heiser reviewed the topics to be discussed at the Business Meeting and distributed a 2000/2001 calendar to assist officers in meeting GIS operating deadlines.

The meeting was adjourned at 11:49 AM.

Respectfully submitted,
Shaun J. Hardy, Secretary

Annual Committee Report

Nominating

The nominating committee is very pleased to announce that the Vice-President elect is Michael Noga of MIT and the Secretary elect is Suzanne Larsen of University of Colorado. Congratulations and our support are offered to them both.

The committee members were Lois Pausch, Janice Sorensen, Martha Andrews, David Lepse, and myself. The committee carefully considered a number of candidates. The slate as submitted to the membership consisted of Michael Noga and Sally Scott (University of Wyoming) for Vice-President/President Elect as well as Suzanne Larsen and Adonna Fleming (University of Northern Colorado) for Secretary. Many thanks to the committee members and to those who agreed to run.

Respectfully submitted,
Charlotte Derksen, Chair

A special SuperBowl event!

At the Reno meeting, we learned that a GIS member-- who is both a geologist and a librarian-- will be in a commercial to be aired during the SuperBowl! That ad reportedly depicts geologists fleeing an erupting volcano in a Ford 4x4. It might be "silly science" but we hope it will be good fun! Watch That Space!

GEOSCIENCE JOURNAL PRICES

compiled by
Michael M. Noga

Collection Development Issues Committee

This list of journal prices is a revision of the list that was distributed at the Reno meeting. Prices come from invoices, price lists from publishers, serial vendor catalogs, and journal issues. Prices vary, depending on the subscription source and the payment date. Each journal price history comes from a consistent source, as much as possible.

Journals were included in this 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.

Title	1993	1994	1995	1996	1997	1998	1999	2000	2001%chg 99/00	Pub
AAPG Bulletin	135	135	135	140	140	140	280	280	280	0 AAPG
AAPG Explorer	30	45	50	50	50	50	50	55	55	10 AAPG
American Mineralogist	225	250	270	295	320	320	430	430	480	0 MSA
Annales de Paleontologie	310	318	377	379	372	408	407	427	455	4.9 ELS
Annales Geophysicae	721	597	675	1001	1124	1124	1317	1380	1477	4.8 SPV
Antarctic Science	151	156	164	178	236	322	330	340	340	3 CUP
Applied Geochemistry	300	300	329	385	430	499	584	657	823	12.5 ELS
Arctic and Antarctic Alpine Res	70	75	75	80	90	90	95	100	100	5.2 INST
Australian Journal of Earth Sci	290	325	349	385	513	560	590	640	685	8.5 BSP
Basin Research	209	190	208	269	340	540	592	585	585	-1.2 BSP
Biogeochemistry	598	542	628	830	874	874	990	1046	1309	5.7 KLU
Boreas	142	127	143	172	179	189	199	210	215	5.5 SUP
Bulletin of the Seismol Soc of Am	125	135	135	260	260	270	280	300	320	7.1 SSA
Bulletin of Volcanology	470	477	508	558	596	596	643	675	722	5 SPV
California Geology	10	10	10	10	10	12	12	12	12	0 CDMG
Canadian Journal of Earth Sci	335	365	398	455	510	556	612	655	701	7 NRC
Canadian Mineralogist	195	250	280	295	310	310	340	340	340	0 MAC
Carbonates and Evaporites	50	50	52	54	57	61	61	61	65	0 NESF
CATENA	332	363	551	704	787	810	784	917	979	17 ELS
Chemical Geology	1447	1626	1814	2261	2444	2457	2379	2558	2973	7.5 ELS
Clay Minerals	150	150	155	155	160	175	191	208	208	8.9 MinSoc
Clays and Clay Minerals	135	140	145	165	185	190	195	200	205	2.5 CMS
Comptes Rendus de Ac Sci: E P Sci	n/a	n/a	n/a	n/a	589	614	598	636	662	6.4 ELS
Computers & Geosciences	938	930	1006	1177	1355	1443	1454	1563	1668	7.5 ELS
Continental Shelf Research	713	760	842	1010	1162	1312	1370	1473	1644	7.5 ELS
Contrib of Mineral & Petrology	2043	2174	2236	2796	2707	2707	2698	2829	2971	4.9 SPV
Cretaceous Research	330	383	465	448	555	579	675	714	722	5.8 AP
Deep Sea Research Pts. I & II	1644	1565	1759	2099	2431	2775	2796	3142	3629	12.4 ELS
Doklady Earth Science Sections	n/a	n/a	n/a	n/a	2287	2515	2691	2905	3170	8 MAIK
Earth & Planetary Science Letters	1352	1456	1743	2168	2333	2471	2490	2677	2857	7.5 ELS
Earth-Science Reviews	430	439	454	579	648	819	825	887	947	7.5 ELS
Earth Sciences History	50	55	50	50	50	50	50	50	50	0 HESS
Earth Surf Processes & Landforms	565	635	725	950	1175	1355	1595	1750	1920	9.7 WIL
Ecologiae Geologicae Helvetiae	379	374	373	467	505	706	534	573	612	7.3 Birk
Economy Geology	115	132	132	132	135	145	145	145	145	0 SEcG
Engineering Geology	608	650	696	592	704	1000	1063	1143	1219	7.5 ELS
Environmental & Eng Geoscience	90	90	135	125	125	125	125	125	125	0 GSA
Environmental Geology	337	344	359	404	597	615	771	969	1037	25.7 SPV
Eos	205	225	230	295	315	340	357	369	402	3.4 AGU

Title	1993	1994	1995	1996	1997	1998	1999	2000	2001	%chg 99/00	Pub
Estuarine Coastal and Shelf Science	534	482	625	732	1072	1279	1397	1539	1541	10.2	AP
Evolution	160	160	160	160	160	170	170	170	190	0	SOC
First Break	410	399	442	505	505	526	584	607	637	3.9	BSP
Gems and Gemology	50	55	60	60	65	65	70	70	72	0	GIA
Geoarchaeology	225	260	294	342	568	656	787	899	985	14.2	WIL
Geochimica et Cosmochim Acta	775	895	1000	1150	1295	1410	1530	1644	1755	7.5	ELS
Geobios	170	170	180	180	180	180	180	180	180	0	UNIV
Geoderma	783	1003	1172	1482	1667	1707	1654	1778	1897	7.5	ELS
Geodinamica Acta	224	223	223	268	250	245	296	310	335	4.7	ELS
Geofisica Internacional	70	70	70	70	70	70	70	70	70	0	UNAM
Geoforum	398	410	440	519	575	630	668	718	766	7.5	ELS
Geografiska Annaler A: Phys Geog	81	84	99	99	128	148	160	171	181	6.9	BSP
Geolog	13	15	15	15	15	15	15	15	25	0	GAC
Geological Journal	265	295	345	395	475	545	645	705	775	9.3	WIL
Geological Magazine	249	263	282	298	312	324	338	354	354	4.7	CUP
Geology	150	150	170	170	350	350	355	355	387	0	GSA
Geology Today	195	172	190	217	234	271	296	326	344	10.1	BSP
Geo-Marine Letters	202	202	235	318	350	368	447	469	502	4.9	SPV
Geomicrobiology Journal	132	145	165	180	199	199	295	330	368	11.9	TayFra
Geomorphology	423	594	639	814	1185	1195	1264	1359	1451	7.5	ELS
Geophysical Journal International	970	872	972	1037	1043	1229	1355	1485	1545	9.6	BSP
Geophysical Prospecting	362	369	406	464	501	501	563	607	653	7.8	BSP
Geophysical Research Letters	498	590	590	780	826	879	985	1180	1285	19.8	AGU
Geophysics	265	265	250	250	250	280	280	280	280	0	SEG
Geoscientist	67	70	70	76	82	95	100	107	114	7	GSL
Geothermics	409	425	599	573	628	734	803	863	921	7.5	ELS
Geotimes	35	35	35	37	37	37	37	37	37	0	AGI
Global and Planetary Change	390	406	437	n/a	917	922	893	960	1024	7.5	ELS
Global Biogeochemical Cycles	148	185	185	270	275	295	318	440	484	38.4	AGU
Global Environmental Change	185	208	246	303	368	408	452	583	622	29	ELS
Grana	217	220	242	277	285	295	305	320	324	4.9	TayFra
GSA Abstracts with Programs	73	80	73	89	113	129	129	129	140	0	GSA
GSA Bulletin	185	185	205	205	350	350	350	355	387	1.4	GSA
Holocene	225	275	316	349	384	537	569	632	689	11.1	Arnold
Hydrological Processes	250	345	495	725	995	1295	1795	1970	2165	9.7	WIL
Icarus	966	1080	1242	1379	1572	1830	2070	2777	2500	34.2	AP
International Journ of Earth Sci	337	317	331	398	441	460	552	587	628	6.3	SPV
International Journ of Coal Geology	617	466	521	696	802	1138	1348	1449	1547	7.5	ELS
Internat. J of Rock Mech/Min Sci	1197	845	976	1249	1419	1616	1767	1894	2021	7.2	ELS
Island Arc	199	220	246	300	369	460	485	526	560	8.4	BSP
Israel Journal of Earth Sciences	95	160	160	185	200	210	210	210	210	0	MISC
Izvestiya Physics of Solid Earth	565	580	580	580	638	714	775	850	952	9.7	MAIK
Journal of African Earth Sciences	595	676	723	875	984	1172	1576	1694	1808	7.5	ELS
Journal of Applied Geophysics	212	417	447	585	704	690	668	834	891	24.9	ELS
Journal of Asian Earth Sciences	513	490	485	859	663	721	783	842	898	7.5	ELS
Journal of Atmos & Sol-Terr Phy	1279	1245	1319	1654	2014	2190	2270	2440	2598	7.5	ELS
Journal of Coastal Research	125	125	125	135	135	145	145	145	145	0	SOC
Journal of Foraminiferal Research	80	80	80	80	80	80	80	80	80	0	SOC
Journal of Geochemical Exploration	701	633	742	988	1139	968	896	1049	1119	17.1	ELS

Title	1993	1994	1995	1996	1997	1998	1999	2000	2001%chg 99/00	Pub	
Journal of Geodynamics	447	455	n/a	629	741	914	1086	1166	1245	7.4	ELS
Journal of Geology	78	78	78	86	86	86	96	109	113	13.5	Uchic
Journal of Geophys Research	2800	3065	3510	3970	4310	4598	4965	5290	5800	6.5	AGU
Journal of Geosci Education	33	33	33	33	33	33	55	55	55	0	NAGT
Journal of Hydrology	2349	2383	2495	3147	3475	3621	3508	3772	4025	7.5	ELS
Journal of Metamorphic Geology	395	435	475	495	530	560	610	695	765	13.9	BSP
Journal of Micropalaeontology	100	100	100	108	117	123	129	135	145	4.7	GSL
Journal of Molluscan Studies	160	165	170	190	205	220	250	325	340	30	OUP
Journal of Paleontology	99	99	99	99	99	99	110	113	116	2.7	SOC
Journal of Petroleum Technology	45	45	45	45	45	45	45	45	45	0	SPE
Journal of Petrology	273	295	350	380	525	595	700	760	800	8.6	OUP
Journal of Quaternary Science	255	295	345	495	575	655	825	905	995	9.7	WIL
Journal of Sedimentary Res	152	152	152	166	180	180	180	180	195	0	SEPM
Journal of Seismology	n/a	n/a	n/a	n/a	253	247	265	279	298	5.3	KLU
Journal of South Amer Earth Sci	266	255	254	414	467	508	597	701	749	17.4	ELS
Journal of Structural Geology	618	640	708	835	936	1018	1036	1114	1189	7.4	ELS
Journal of the Atmos Sciences	350	350	355	390	455	475	495	510	520	3	AMS
Journal of the Geol Soc of London	441	524	524	571	617	641	673	720	770	7	GSL
Journal of Vertebrate Paleontology	85	85	85	125	195	195	195	210	250	7.7	SVP
Journal of Volc. & Geotherm Res	965	1139	1178	1500	1635	1638	1698	1825	2086	7	ELS
Leading Edge	70	70	70	70	70	70	70	70	70	0	SEG
Limnology and Oceanography	160	160	175	175	175	175	175	350	350	100	ASLO
Lithos	339	529	551	723	796	802	828	931	994	12.4	ELS
Marine and Petroleum Geology	535	604	716	899	1032	1123	1260	1417	1513	12.5	ELS
Marine Chemistry	855	867	919	1183	1348	1368	1456	1565	1670	7.5	ELS
Marine Geology	1352	1385	1481	2049	2316	2345	2412	2593	2768	7.5	ELS
Marine Micropaleontology	434	444	473	585	889	879	851	915	977	7.5	ELS
Marine Pollution Bulletin	447	430	462	589	656	783	821	882	942	7.4	ELS
Mathematical Geology	425	455	462	525	555	595	645	720	780	11.7	KLU
Meteoritics and Planetary Science	150	210	220	230	265	330	360	550	550	52.8	Mete
Micropaleontology	140	175	200	200	240	240	280	310	310	10.7	AMNH
Mineralium Deposita	419	455	457	675	733	742	922	911	975	-1.2	SPV
Mineralogical Journal	50	50	50	50	50	50	50	50	50	0	JPT
Mineralogical Record	60	60	65	75	75	75	120	120	120	0	MISC
Mineralogy and Petrology	503	564	779	732	745	700	837	833	891	-0.5	SPV
Minerals Engineering	448	510	552	652	725	790	855	962	1027	12.5	ELS
Mountain Geologist	34	34	34	34	34	34	40	40	40	0	RMAG
Natural Hazards	282	288	329	413	428	431	512	495	523	-3.3	KLU
Natural Resources Forum	242	254	276	334	371	411	437	471	503	7.8	ELS
Nature	428	425	425	495	495	595	595	650	775	9.2	NAT
Nautilus	40	40	45	45	45	45	45	45	56	0	SOC
New Zealand J of Geol & Geoph	190	190	190	200	200	210	210	225	225	7.1	SOC
Northeastern Geol & Env Sci	40	52	52	58	59	59	63	79	79	0	SOC
Norwegian Journal of Geology	133	125	135	155	160	170	180	190	190	5.3	TayFra
Oceanologica Acta	294	279	338	341	344	358	363	370	386	1.9	ELS
Oil and Gas Journal	120	127	135	145	145	145	154	154	154	0	OGJ
Ore Geology Reviews	310	306	342	445	519	529	628	675	721	7.5	ELS
Organic Geochemistry	618	700	1185	1646	1807	1965	2056	2210	2359	7.5	ELS
Origins of Life & Evol of Biosphere	251	228	276	344	350	354	414	400	424	-3.4	KLU

Title	1993	1994	1995	1996	1997	1998	1999	2000	2001	%chg 99/00	Pub
Palaios	115	120	128	147	165	165	165	165	165	0	SOC
Paleobiology	65	65	65	65	65	65	65	69	72	6.1	SOC
Paleoceanography	195	215	270	275	280	299	319	329	358	3.1	AGU
Paleontological Journal	596	660	894	985	1084	1192	1281	2075	2262	62	MAIK
Paleontological Research	n/a	n/a	n/a	75	75	75	75	75	75	0	JPT
Petroleum Geoscience	n/a	n/a	171	180	195	217	229	212	227	-7.4	GSL
Petrology	n/a	n/a	n/a	699	769	839	906	980	1069	8.2	MAIK
Physical Geography	209	229	243	264	279	289	289	294	309	1.7	MISC
Physics and Chem of the Earth	589	550	589	692	830	1077	1636	1760	1878	7.6	ELS
Physics and Chemistry of Minerals	832	814	883	1127	1173	1173	1320	1469	1571	11.3	SPV
Physics of the Earth & Planet Inter	1274	1317	1370	1683	1826	1845	1785	1919	2048	7.5	ELS
Planetary and Space Science	1416	1355	1431	1718	1926	2096	2173	2336	2493	7.5	ELS
Planetary Report	25	25	25	25	25	25	25	25	25	0	Planet
Powder Diffraction	95	95	95	95	95	105	105	105	105	0	AIP
Precambrian Research	1038	1219	1244	1592	1741	1759	1703	1830	2032	7.5	ELS
Proceedings of Geologists Assoc	129	134	140	149	161	169	184	197	217	7.1	GSL
Proceedings of Yorkshire Geo Soc	77	94	92	96	109	114	122	129	137	5.7	GSL
Progress in Oceanography	632	705	753	891	900	1094	1286	1608	1962	25	ELS
Progress in Physical Geography	148	170	185	207	229	256	271	312	340	15.1	Arnold
Pure and Applied Geophysics	1163	1296	1536	2571	1844	1738	1986	2092	2236	5.3	Birk
Quarterly J of Eng Geo & Hydrogeo	234	245	245	281	304	307	322	345	369	7.1	GSL
Quaternary International	262	250	373	438	563	614	691	743	792	7.5	ELS
Quaternary Science Reviews	599	575	619	724	798	1014	1151	1324	1413	15	ELS
Radiocarbon	105	105	115	115	115	118	125	120	120	-4	MISC
Remote Sensing of Environment	796	908	1159	1236	1398	1564	1660	1777	1896	7	ELS
Review of Paleobotany & Palynol	898	908	973	1457	1574	1552	1503	1616	1724	7.5	ELS
Reviews of Geophysics	220	220	250	250	250	265	280	280	280	0	AGU
Rock Mech and Rock Eng	215	225	237	222	228	228	259	278	299	7.3	SPV
Rocks & Minerals	58	62	66	n/a	n/a	n/a	74	74	84	0	MISC
Science	205	215	228	250	260	295	325	340	370	4.4	SOC
Scottish Journal of Geology	102	114	119	126	136	142	150	159	170	6	GSL
Sedimentary Geology	1004	1187	1348	1686	1944	2115	2046	2199	2347	7.5	ELS
Sedimentology	474	434	479	546	588	729	802	835	809	4.2	BSP
Seismological Research Letters	20	20	85	85	85	85	90	90	90	0	SSA
Shale Shaker	15	25	25	30	30	30	30	30	30	0	MISC
Soil Science Society of Amer J	92	100	108	117	137	195	215	215	215	0	SSSA
Stratigraphy and Geological Correl.	n/a	n/a	n/a	699	769	839	908	980	1068	7.9	MAIK
Surveys in Geophysics	296	296	352	433	447	426	498	483	511	-3	KLU
Tectonics	308	330	380	385	392	409	429	444	483	3.5	AGU
Tectonophysics	2444	2429	2505	3090	3267	3362	3349	3600	3842	7.5	ELS
Terra Nova	338	314	358	409	433	502	537	558	563	3.9	BSP
Water Research	1493	1615	1841	2268	2516	2516	3243	3486	3721	7.5	ELS
Water Resources Research	530	660	675	675	680	720	720	845	919	17.4	AGU

n/a = not available or not applicable

Average Price Change for 1999/2000: 9.10%

Average Price Change for 2000/2001: 7.30%

LITERATURE REVIEWS

By

Carol J. La Russa

The September 2000 issue of *Information Outlook* has an article on deep linking, the practice of making links to deep within a web site rather than to the main page. Web site owners object to this is because they fear a loss of advertising revenue and also the loss of bandwidth due to robotic searchers. The author, Steven Melamut, suggests that non-profit library web sites are less likely to invite litigation but that libraries should avoid any linking that obscures the true ownership of a web page. ("Does Deep Linking Infringe Copyright?," v. 4, no. 9, p. 41-42)

Ernest Perez has written an article titled "Using Link Checkers" for the October/November 2000 issue of *EContent*. Link checkers are a method for dealing with the problem of linkrot, i.e., dead links in web pages. He gives a list of possible solutions which includes commercial (fee-based and free) link checker services and programs you can use for the purpose. (p. 83-89)

The theme of the November 2000 issue of *American Libraries* is Resource Sharing: Faster, Cheaper, Better. It has six articles on the theme including one on the system Colorado State University has used since its flood and another on three library systems (OhioLINK, Minitex, and California Digital Library).

Jill M. Hackenberg has an article called "Who Chooses Sci-Tech Librarianship" in the September 2000 issue of *College & Research Libraries*. After describing her survey of sci-tech librarians contacted through a variety of list servers (though unfortunately not Geonet-L) she concludes that almost 60% of respondents had some sort of sci-tech background prior to becoming a sci-tech librarian. (v. 61, no. 5, p. 441-450)

James Langers describes in his article in the August 2000 issue of *Physics Today* the changes in the world of scholarly publication and their effect on the publishing mission of the American Physical Society. He sees a need for both non-refereed preprint archives and refereed journals. He believes APS must invest in fully electronic publishing and archiving and go to a new pricing scheme which uses site licenses. ("Physicists in the New Era of Electronic Publishing," v.53, no.8, pt. 1, p.35-38)

In another article on the future of scientific communication Julie M. Hurd focuses on the behavioral and organizational determinants that she feels are just as important as technological considerations. She also sees a

role for both preprints and edited/reviewed contributions. ("The Transformation of Scientific Communication: A Model for 2020," *Journal of the American Society for Information Science*, v. 51, no. 14, 2000, p. 1279-1283)

College & Research Library News (October 2000) has an article titled "Digital Archiving: Whose Responsibility Is It?" by Deanna Marcum which concludes that librarians through their own institutions must take responsibility for their libraries' digital archives by making sure they are maintained using suitable standards for long-term storage. Also librarians must keep informed about the complexities of digital archiving and make sure publishers and vendors do what they have said they will do. (v. 61, no. 9, p. 794-797+)

The June/July 2000 issue of *EContent* has two articles that might be of interest. Greg R. Notice in "Finding Online Government Publications" (p. 67-70) has suggestions for approaches to finding government publications in the web. A second article by Geraldine Foudy lists on-line sources for international statistics ("Wide Wide World of Statistics," p. 49-51)

In the October 2000 issue of *D-Lib Magazine* John V. Lombardi describes the inevitable changes academic libraries will face in a digital age. He suggests that in the future libraries main responsibilities will be taking care of unique collections of objects (many of which will be digitized) and creating on-line aids to information sources. ("Academic Libraries in a Digital Age," v. 6, no. 10, www.dlib.org)

Also in the October 2000 issue of *D-Lib Magazine* Carol Hansen Montgomery has an article titled "Measuring the Impact of an Electronic Journal Collection on Library Costs: A Framework and Preliminary Observations" in which she describes the effects on library operations of Drexel University's in-progress transition from print to electronic journals. Changes have occurred throughout the system including an increased need for acquisitions and cataloging services (v. 6, no. 10, www.dlib.org).

Laura Gasaway discusses the copyright status of unpublished works in the Copyright Corner column of the October 2000 issue of *Information Outlook*. ("Unpublished Works," v. 4, no. 10, p. 43-44)

JOB ANNOUNCEMENTS

Head, Engineering Library and Coordinator, Physical Sciences, University of Pennsylvania Library System, Philadelphia, Penn.

Scope of unit: The Engineering Library is responsible for meeting the information needs of the faculty and students of the School of Engineering and Applied Science and of other members of the Penn community. The School comprises 7 academic departments including Computer Science, currently enrolls approximately 600 graduate students, 1200 undergraduates, 50 post-doctoral fellows and has 105 full-time faculty members. The Library's collection of 75,000 volumes is housed in two separate buildings and includes 800 current periodicals. The materials budget for FY 97 is over \$600,000. The Library has 2 professional librarians, 3 paraprofessionals, and 5 FTE student library workers.

Broad functions: Responsible for the overall planning and developing of services and collections of Penn's three physical science and engineering libraries. Leads and supports a dynamic public services team of librarians in the Engineering, Chemistry, and Math-Physics-Astronomy Libraries and provides oversight and coordination for a total physical science and engineering materials budget of \$1,657,000. Leads the development of digital and print collections and services for the Engineering Library. Reports to the Director for Public Services.

The Physical Science and Engineering Libraries: Faculty and students in the physical sciences and engineering are served by three of Penn's fifteen libraries: Engineering, Chemistry, and Math-Physics-Astronomy. The three libraries house over 212,000 volumes and subscribe to over 1,500 current print serials and more online. The Science and Engineering Libraries website at <http://library.upenn.edu/scitech/> is a gateway to a rich collection of networked resources electronic journals and key databases including: EI Compendex, INSPEC, Science Citation Index, Elsevier's ScienceDirect, IEE/IEEE journals, and SciFinder Scholar, and Beilstein.

The Engineering Library is the largest of these libraries with a collection of 123,000 volumes and 750 current print serials subscriptions, and over 1,000 electronic journal subscriptions. The Library is staffed by a Head Librarian and an Assistant Engineering Librarian, three full time staff members, and student assistants. The current acquisitions budget, which includes Computer Science and Electrical Engineering, is approximately \$820,000.

Specific duties:

- Provides overall direction for the librarians in the physical science and engineering libraries.
- Works with the Chemistry and Math-Physics-Astronomy Librarians to develop proactive, user-centered public services programs that support the research, teaching, and learning of Penn's physical science and engineering faculty

and students. Is an advocate for outreach, instruction, and information literacy activities.

- Advises the Director for Collection Development on general budget and allocation issues and plays a key role in decisions relating to the purchase and licensing of digital resources in these subject areas.

- Provides leadership and direction for the Engineering Library. Develops operating policies and oversees the daily operation of this facility. Oversees the current document delivery initiatives and leads the transition to a fully electronic current awareness service for faculty of the School of Engineering and Applied Science.

- Develops the digital and print collections of the Engineering Library, and manages the transition to digital resources in engineering and in consultation with deans and faculty groups and the Director for Collection Development. Manages the print collections including appropriate and timely transfers to the Library's high-density off-site storage facility.

- Provides reference and bibliographic assistance to faculty and students using engineering materials. Provides close liaison with deans, faculty, and students, and orientation and instruction in the use of electronic resources such as EI Compendex and INSPEC.

- Supervises full time staff in Engineering. Provides general direction to full time staff in supervising student assistants.

- Participates in library-wide task forces and committees.

Qualifications: MLS from an ALA-accredited library school or equivalent in theory and practice and academic background in an appropriate subject discipline. Substantial experience in an academic, special, medical, or science library serving similar clientele. Demonstrated knowledge of the latest trends and available tools for electronic access to information in science and engineering. Demonstrated supervisory skills. Effective written and oral communication skills. Demonstrated ability to work effectively, independently, an cooperatively with faculty and students and with staff throughout the library system. Strong desktop computing skills.

Appointment and rank dependent on qualifications and experience. Librarian C (minimum of 3 years experience) or Librarian D.

To apply: Send a cover letter and resume to Mr. R. Eash, Library Human Resources Administrator, University of Pennsylvania Library System, 3420 Walnut Street, Philadelphia, PA 19104-6206. The University of Pennsylvania is an AA/EOE.

Assistant Librarian, School of Engineering Library, University of Pennsylvania Library System, Philadelphia, Penn.

Scope of unit: The Engineering Library is responsible for meeting the information needs of the faculty and students of the School of Engineering and Applied Science and of other members of the Penn community. The School comprises 7 academic departments including Computer Science, currently enrolls approximately 600 graduate students, 1200 undergraduates, 50 post-doctoral fellows and has 105 full-time faculty members. The Library's collection of 75,000 volumes is housed in two separate buildings and includes 800 current periodicals. The materials budget for FY 97 is over \$600,000. The Library has 2 professional librarians, 3 paraprofessionals, and 5 FTE student library workers.

Broad functions: Assists the Engineering Librarian in meeting the information needs of the School and in the administration of the Library. Provides reference service, teaches faculty and students to use information resources, shares in collection development and departmental liaison responsibilities. Serves as information systems liaison to the Engineering and Science Libraries.

Duties and responsibilities: Provides pro-active onsite and remote reference service using both electronic and traditional print resources. Creates web documentation and contributes to the design of appropriate user interfaces for electronic resources. Serves as liaison to a number of academic departments. Works with faculty and the Librarians to assess the needs of the research and instructional programs in these departments. Develops and implements innovative and effective electronic services. Energetically contributes to the creation of a dynamic teaching program in the Engineering and Science Libraries. Produces user documentation. Develops collections in a number of areas, working closely with faculty, and with other science and engineering Librarians. Works with the Librarian to manage the collections. Consults with faculty about appropriate replacement of print collections with electronic resources. Serves as information systems liaison to the Engineering and Science Libraries. Acts for the Librarian in her absence.

Qualifications: MLS from an ALA-accredited program. Academic background in Engineering or a related science discipline strongly preferred. Experience in on-line database searching, and an aptitude for teaching required. Strong computing skills required. Strong interpersonal skills and excellent written and verbal communication abilities essential. A public service orientation and strong reference skills needed. Knowledge of scientific research methods and familiarity with the changing information and publishing environment in engineering and science needed.

Salary requirements: Appointment as Librarian I requires no previous experience, and has a starting salary of \$26,986 to \$35,123. Appointment as Librarian II requires 1 to 3 years of previous professional experience, and has a starting salary of \$29,664-38,677.

To apply: Send a cover letter and resume to Mr. R. Eash, Library Human Resources Administrator, University of Pennsylvania Library System, 3420 Walnut Street, Philadelphia, PA 19104-6206. The University of Pennsylvania is an AA/EOE.

Materials Science & Engineering Librarian (Librarian I or II), Science Library, Massachusetts Institute of Technology, Cambridge, Mass.

Join the team of professionals who provide information services to one of the most dynamic science communities in the country. This is an exciting opportunity for an enthusiastic and innovative librarian to plan, provide, and promote information services in the area of materials science and engineering at the Massachusetts Institute of Technology.

Responsibilities: Under the direction of the Head, Engineering and Science Libraries and the Associate Head of the Science Library, will be responsible for developing and implementing service programs that effectively and creatively respond to the information needs of the MIT materials science and engineering community. Will identify and monitor information needs, plan and implement effective services, and establish and evaluate service goals. As subject specialist, will develop and manage research level collections in materials science and engineering, and will work closely with subject specialists in related disciplines, e.g., physics, chemistry, and mechanical engineering. Will act as liaison to faculty, researchers, and students of the Department of Materials Science and Engineering and related research centers and laboratories. Will devise and carry out creative outreach strategies and promote the services and collections of the Engineering and Science Libraries. Will work both independently and in collaboration with other staff to develop and implement innovative electronic services in support of research, teaching, and instructional needs as well as in developing the Engineering and Science Libraries' web presence. Will participate in reference services including staffing the reference desk, holding office hours for in-depth reference service, and responding to electronic reference service queries. Will have the opportunity to participate in system-wide initiatives and serve on committees and task forces as appropriate. Will be expected to participate in professional development and service activities.

Qualifications: Required - An MLS/MLIS from an ALA-accredited library school; demonstrated knowledge of and enthusiasm about the integration of new technologies into the delivery of information services; strong commitment to user-focused service; a clear understanding of the research process; excellent interpersonal and communication skills; ability to collaborate and work effectively as part of a team working with a culturally diverse user community; initiative, flexibility, and the ability to adapt and work creatively in a challenging and rapidly changing environment. (Three years professional experience

and demonstrated professional growth and service in keeping with MIT Libraries' standards for promotion are required for appointment at Librarian II level.) Preferred - An undergraduate or graduate degree in the physical sciences or engineering; relevant experience in a science or engineering library; reference, instruction, and/or collection development experience in an academic or research library.

Hiring salary: \$36,000 minimum (Librarian I); \$41,000 minimum (Librarian II). Actual salary will depend on experience.

Review of applications will begin on January 15, 2001. Applications must include a cover letter, resume, and names and addresses of three current references and should be mailed to:

Search Committee for Materials Science & Engineering Librarian

The Libraries, Room 14S-322
Massachusetts Institute of Technology
77 Massachusetts Ave.
Cambridge, Massachusetts 02139-4307

(Applications may also be sent via fax to 617-253-0583.)

The MIT Libraries include five major subject libraries (architecture and planning; engineering; humanities; science; management and social sciences) and several branch libraries in specialized subject areas. The Libraries contain more than 2.3 million printed volumes, over 17,000 serial subscriptions, and extensive collections of microforms, maps, slides, photographs, sound recordings, printed music, manuscripts, motion pictures, and videotapes. The Libraries' automated system is Geac Advance. The public catalog, Barton, is available within the Libraries and on the campus network. The Libraries expect to implement a new Integrated Library System by July 2001. The Libraries' webpage (<http://libraries.mit.edu/>) presents information about library services, access to numerous databases, and links to pertinent Internet resources. MIT Libraries maintain membership in the Association of Research Libraries, the Boston Library Consortium, and OCLC through NELINET.

The Engineering and Science Libraries, while physically separate, are jointly administered by a Head Librarian and two Associate Heads, one for Engineering and one for Science. The engineering and science collections contain over 1 million printed volumes, 8,000 current subscriptions, many microforms, and a growing number of electronic resources. The staff consists of 15 librarians, 3 supervisory staff, 13 support staff, and approximately 6 FTE student employees. Planning is underway for a physically combined Engineering and Science Library as part of MIT's current capital campaign.

MIT offers excellent benefits including tuition assistance and a relocation allowance. The MIT Libraries affords a flexible and collegial working environment and fosters professional growth of its staff with management training, travel funding for professional meetings, and a professional research grant program. MIT is a smoke-free campus.

MIT is strongly and actively committed to diversity within its community and particularly encourages applications from qualified women and ethnic minority candidates.

GIS and Statistics Specialist, Massachusetts Institute of Technology, Cambridge, Mass.

The MIT Libraries seek an energetic, experienced person to lead in creating and developing a new, campus-wide library service and instruction program in GIS for the MIT community. This individual will work with a multi-disciplinary team of library and IS staff members as well as faculty to assess GIS needs across the campus, to determine library service products and programs, to publicize the new service, and to assist in its provision.

Responsibilities: The specialist will be the Libraries' lead person charged with planning the appropriate level of library GIS services, in cooperation with other GIS sponsors at MIT. He or she will work cooperatively with the GIS technical expert in Information Services, representatives from the Computer Resources Lab in the Department of Urban Studies and Planning and from other academic departments, the Libraries' System Office, and the GIS technical person in Rotch Library, to devise a robust GIS library service in a distributed environment. The specialist will assist colleagues in the Dewey Library (management, political science and economics), the Barker Engineering Library, the Science Library, the Lindgren Library (earth sciences), and the Humanities Library in the application of mapping services to their subject areas. The specialist will be responsible for planning and implementing library instruction programs. The specialist will be located in the Rotch Library of Architecture and Planning, participate fully in its programs and activities, and have public service responsibilities for the Census 2000 data. For GIS responsibilities, the person will report to the Information Technology Librarian for Public Services; for Rotch Library responsibilities, the person will report to the Head, Rotch Library.

Qualifications: Required - Three to five years academic background or experience with geospatial data and a variety of mapping software, including ArcView; excellent interpersonal skills; the ability to share knowledge and excitement in a teaching mode; demonstrated experience in establishing innovative public service programs; working knowledge of national data sources, including the products of the U.S. Bureau of the Census and ICPSR databanks, and experience with various methods of extracting data; ability to organize work independently, to lead, and to work easily in team and collegial roles; a commitment to ongoing professional development and activity. Preferred - A master's degree in library or information science from an ALA-accredited program or an academic degree in geography; statistical background, training, or experience.

Hiring salary: \$41,000 minimum. Actual salary will depend on experience.

Review of applications will begin on December 18, 2000. Applications must include a cover letter, resume, and names and addresses of three current references and should be mailed to:

Search Committee for GIS & Statistics Specialist (EL)
The Libraries, Room 14S-322
Massachusetts Institute of Technology
77 Massachusetts Ave.
Cambridge, Massachusetts 02139-4307

(Applications may also be sent via fax to 617-253-0583.)

The MIT Libraries include five major subject libraries (architecture and planning; engineering; humanities; science; management and social sciences) and several branch libraries in specialized subject areas. The Libraries contain more than 2.3 million printed volumes, over 17,000 serial subscriptions, and extensive collections of microforms, maps, slides, photographs, sound recordings, printed music, manuscripts, motion pictures, and videotapes. The Libraries' automated system is Geac Advance. The public catalog, Barton, is available within the Libraries and on the campus network. The Libraries expect to implement a new Integrated Library System by July 2001. The Libraries' webpage (<http://libraries.mit.edu/>) presents information about library services, access to numerous databases, and links to pertinent Internet resources. MIT Libraries maintain membership in the Association of Research Libraries, the Boston Library Consortium, and OCLC through NELINET.

MIT offers excellent benefits including tuition assistance and a relocation allowance. The MIT Libraries affords a flexible and collegial working environment and fosters professional growth of its staff with management training, travel funding for professional meetings, and a professional research grant program.

MIT is strongly and actively committed to diversity within its community and particularly encourages applications from qualified women and ethnic minority candidates.

Coordinator of Numeric and Spatial Data Services, University of Michigan Library, Ann Arbor, Mich.

Are you an energetic and creative person who enjoys working with spatial and numeric data, enjoys helping undergraduates and faculty work with this data in the classroom and the lab, and who would like to shape an enhanced GIS/numeric data program at a major research library? The University of Michigan is seeking such a creative, enthusiastic individual who will help to shape and direct the library's effort to support users of numeric and spatially-related data. With new funding and support from the University, the Library is ready to: define and implement a new GIS Center; expand the library-based GIS and numeric data services available to the campus; and consolidate the library's numeric data and GIS activities into one group. The individual in this position will be responsible for shaping and directing these activities. In collaboration with campus-wide initiatives, the library is committed to providing

instruction, access, content development and management, and reference and technical assistance to faculty, staff, and students who may use these resources and services for instruction or research.

Responsibility: This position will provide leadership for library-wide GIS/Numeric Data public service initiatives including designing and delivering instruction, reference, and support services for faculty and students and developing the library's GIS center/user lab. The successful candidate will also, in collaboration with library and campus users: **--Plan** and implement instructional programs and activities for geospatial/numeric analysis, display, and management with the objective of integrating data skills into teaching and learning as needed on the campus; **--Develop** collections and content by acquiring and linking to data resources; **--Evaluate**, recommend and implement software, including web-based tools, for accessing, analyzing, and displaying data; **--Coordinate** metadata definition and cataloging of data resources; **--Serve** as a resource and referral point for GIS/numeric data products and services on campus; **--Train** library staff in GIS and numeric data resources and tools in order to distribute basic support of spatial and numeric data in library sites; **--Hire** and supervise staff, and manage budget and resources; and **--Work** on GIS and numeric data projects across the campus.

Qualifications: The ideal candidate will have an ALA accredited Master's Degree in Library/ Information Science and prior experience in a research library or equivalent research setting OR a relevant Master's Degree and significant experience in a research or related setting. Knowledge of and demonstrated facility with GIS software, including ArcView, and knowledge of spatial data, databases, data structures, and metadata standards is required, in addition to experience with numeric data, including census data. In addition to a demonstrated interest in new technologies and a high degree of computer literacy, the successful candidate should have the ability to excel as an instructor; the ability to work with a variety of users, library staff, and the University community; excellent oral, written, and graphic communication skills; demonstrated organizational and supervisory skills; and, strong public service and team orientation.

Rank: Rank is anticipated at the Associate, Senior Associate, or Full Librarian level commensurate with the candidate's experience and professional achievement. As a professional appointment at the University of Michigan Library, this position offers full benefits and opportunities for professional development and travel, and participates fully in faculty governance.

Salary & leave: Final rank and salary dependent on qualifications and experience. Professional positions receive 24 working days of vacation a year, 15 days of sick leave a year with provisions for extended benefits.

Retirement plan: TIAA/CREF retirement plan; Fidelity Investments.

Application: Review of applications will begin on January 15, 2001 and continue until the position is filled. (Contact 734-764-2546 for further information.) Please send cover letter and resume to:

Lucy Cohen, Manager
Library Human Resources
404 Hatcher Graduate Library North

University of Michigan
Ann Arbor, MI 48109-1205

The University of Michigan is a non-discriminatory, affirmative action employer. For further information: A detailed position description with additional helpful information is available at <http://www.lib.umich.edu/libhome/VAC-NSDS.htm>

GIS PUBLICATIONS LIST

Proceedings of the Annual GIS Meetings (ISSN 0072- 1409) \$45.00 each; standing orders are \$45.00 per year.

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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 Connie J. Manson. (ISBN 0-934485-30-5) \$ 25.00

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Directory of Geoscience Libraries, North America. 5th Edition, 1997. (ISBN 0-934485-25-9) Paper. \$ 35.00

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newsletter

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