



CONTENTS

Features

Geoscience Serial Prices, by Michael Noga	9
Changes at the Geological Survey of Canada.....	11
Changes at the U.S. Bureau of Mines	11
Changes at the U.S. Geological Survey.....	12

Departments

President's column	1
Vice President's column	3
Annual Meeting reports:	
1995 Executive Board Meeting minutes.....	4
Digital Database Forum report	5
Annual reports:	
Treasurer's Financial Report	6
Representatives	8
Job announcement	8
Reviews, by Linda Musser	10
Announcements and Publications	12
Internet news.....	13
Member News.....	14
New Members.....	14

PRESIDENT'S COLUMN

This is the first column I am writing as President. For those of you who are unfamiliar with GIS traditions, the Vice-President plans the program for the annual meeting and then becomes President after the open business meeting held early in the schedule. The incoming Vice President immediately begins the process of working with GSA to set the program for the coming year. The retiring President retains an active role as adviser to the officers during their meetings and chairs the Nomination Committee to select a new Vice President to start the cycle once again.

Barbara Haner, the retiring President, was a dedicated and eager officer and will be hard to equal. She provided friendly, cheerful support to me during the past year and her advice based on her experience will be very important during the next year. Connie Wick who preceded her as

President provided backup assistance whenever necessary. I want to thank them for their help during the past year.

The New Orleans meeting could not have come together without the work of many GIS members. Clara McLeod reviewed papers submitted to GIS within the short time allowed by GSA for the task. Connie Manson published the annual meeting schedule and full abstracts to be sure that those planning to attend had the information they needed to plan their attendance at the meeting. Linda Newman and Carolyn Laffoon participated as the chairs for the technical session and Connie Manson as co-chair of the symposium. Besides introducing speakers, the chairs have to maintain the timing of presentations to follow the strict schedule set by GSA. Barbara DeFelice, our new Vice President, planned and chaired the Digital Database Workshop; Marie Dvorzak, the Professional Issues meeting; and Steve Hiller, the Collection Development meeting, providing interesting and useful forums for the exchange of information.

At our Awards Luncheon, three awards were made: Best Paper to Susan Klimley, Mary B. Ansari Best Reference Work Award to *Volcanoes of the World* by T. Simkin and L. Siebert, and the Best Guidebook to *Self-Guided Geological Field Trip to the Keweenaw Peninsula, Michigan*, by T. Bornhorst and W. Rose. The awards were presented by the chairs of the three committees: Regina Brown, Lisa Dunn, and Marie Dvorzak.

Several informal meetings were held which provided the opportunity for committees and subgroups with common interests to get together. The Publications and International Issues Committees were among the committees getting together and there were informal meetings of the Pacific Section geology librarians and the Calgeo serials group. Richard Spohn, co-chair of the committee for the 6th edition of Union List of Geologic Field Trip Guidebooks, announced the completion of their tasks and that the list will soon be published.

An important topic in New Orleans was continuing the work of Susan Klimley and Connie Wick in obtaining

(continued, p. 3)

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The GIS Newsletter is published bi-monthly in February, April, June, August, October, and December by the Geoscience Information Society. Subscription to the Newsletter is \$40 per year and is included in the Society's annual membership dues. All correspondence regarding dues, membership status, and address changes should be directed to the GIS Secretary.

GIS members are encouraged to contribute materials for publication. Due to current vacancies, all materials--research articles, technical reports, information reports, officer and committee reports, publication notices, job announcements, and other news items--should be sent to the Newsletter Editor until further notice.

Material for the February, 1996 issue of the GIS Newsletter should be received no later than January 20, 1996. If possible please send materials by e-mail or on IBM-compatible disk (Wordstar 3.3, Wordperfect 5.1, or ASCII format).

funds for the preservation of important geological literature by establishing a plan setting standards and priorities. Susan presented a paper at the symposium on the subject and made a presentation to AGI as well. Geographic Information Systems (yes, the other GIS), the Internet, the Web and the impacts of these new technologies on providing earth science information were meaty topics for papers and discussions. A paper by Joanne Lerud and discussions in the Professional Issues meeting investigated the changing roles of earth science information professionals. Measures of the value and use of journal titles to provide information for collection development which now usually means choice of cancellations were also necessary in a time when we can no longer plan on collecting everything anyone wants.

Those who were willing to do the research and summoned the courage to present papers for GIS need a special thanks from all of us. Their papers will be published in the proceedings volume during the next year so even those unable to attend will get the benefit of their work.

Last of all, but not the least, thanks go to the Exhibits Committee chaired by Dona Dirlam. Despite having to make an exhibit from scratch when the boxes of materials did not arrive and having to compensate for a computer which wouldn't work for much of the meeting, the GIS Exhibit had a great location, good visibility to exhibition visitors, regular staffing volunteered from our members and provided a positive image for our society due to Dona's hard work.

The next tasks for GIS officers will be to be sure that appointments are made to fill committees for the next year and that a budget is set up. The GIS Board hopes to improve the information provided to new committee members and provide a calendar for everyone which will make the work of committees easier.

We hope the coming year will be a successful one for GIS.

VICE PRESIDENT'S COLUMN

Planning for the 1996 Geological Society of America Annual Meeting began in earnest at the GSA meeting this past November in New Orleans. The 1996 meeting is scheduled for October 28-31, in Denver, Colorado. As part of planning for the Geoscience Information Society activities at the Denver conference, Barbara Haner and I attended the Joint Technical Program Committee (JTTC) meeting Thursday morning, the last official day of the New Orleans conference. I expected this meeting to be focused on sharing information about plans for the 1996

conference, since the JTTC is made up of those representatives of the Divisions and Affiliated Societies who are responsible for planning the conference programs. Instead, the meeting focused on changes GSA is planning to put into place regarding submission of abstracts. These changes were approved at the GSA Council meeting in New Orleans, and so were news to everyone at JTTC. The two most controversial of these changes were the decision to charge for the submission of abstracts starting in 1997, and the decision to eliminate the requirement that each abstract be reviewed by three people. Regarding the fee, no amount has been set, but the figure of \$30.00 kept coming up. It is possible that students would get a discount on the fee for submitting abstracts. AGU was cited as the example which GSA is following in setting this fee. Those present at the JTTC meeting found it particularly annoying that GSA had asked a question regarding abstract submission fees on the questionnaire that was available at the registration desk, but in fact had already made a decision. (It's not too late to fill out this questionnaire; you can get one from me, Barbara Haner or the GSA headquarters.) Regarding the review process, if a Division or Society wants to have more than one person review the abstracts, that is of course fine with GSA. This change in review process is supposed to expedite the processing of abstracts but it also further emphasizes the point that conference abstracts are not refereed works, and that the role of the conference paper is to present ideas and works in progress, not necessarily a finished research project. It will be possible to submit an abstract to GSA via the Web this year, as well as on the traditional paper form. The proposal to hold a joint meeting of GSA and AGU sometime in the future, most likely in the year 2000, received support from those in attendance.

The GSA conference theme for 1996, in keeping with the location of Denver, the Mile-High City, is "Earth System Summit". Conference themes can be interpreted many different ways. What stands out in the description of this theme is the emphasis on the integration of the various disciplines that contribute to an understanding of the Earth System. The conference planners are particularly interested in symposia that consider the scientific and social aspects of environmental problems, for example, mine closures in the Rocky Mountains.

In keeping with the conference theme, the Geoscience Information Society Symposium theme that will be proposed to the GSA conference planners is "Expanding Boundaries: Geoscience Information for Earth System Science". Geoscience information specialists are being challenged to expand the boundaries of their expertise in order to serve a broader range of scientists, students and the general public. Librarians provide geological litera-

ture, climate data and water resources information not only to those trained in the traditional disciplines of geology, but also to regional planners, ecologists, and the general public concerned about earth science and environmental issues. This information can be provided in many formats, from paper to the Web, and some of it can be integrated in a geographic information system upon demand by the librarian or user. How can librarians best meet the needs of specialists in a changing discipline and the non-specialists who are seeking earth science information? How will changes in government support for research and publication distribution affect our ability to serve these changing needs? What products and projects are available to help expand the boundaries of what we can offer and whom we can serve? The Symposium speakers will address these and other issues.

Although the Technical Paper deadline of July 9th, 1996 seems a long way off, it is not too early to think about a topic you are interested in researching during the coming year or a project you are involved with that would make an ideal subject for a Technical Paper. Please feel free to contact me regarding ideas for both symposium and technical paper speakers and topics.

GIS Annual Meeting reports:

Executive Board Meeting, November 5, 1995

The meeting was called to order by President Barbara Haner at 9:00 am. The minutes of the October 26, 1994 Executive board were approved.

OFFICER'S REPORTS

President's Report: Barbara Haner described her project to develop a calendar of deadlines and job descriptions for officers and committee chairs. It was decided that changes to committee charges should be sent to the president of the society for presentation to the executive board who must approve changes. A discussion followed about how often charges should be reviewed for currency.

Treasurer's Report: Margy Walsh distributed a financial report that was current as of November 3, 1995. She described the progress of the 1994 audit of the Society's books. Auditor Dennis Trombatore has expressed two concerns. The first is the lack of documentation for attendees at the GEOINFO V who received funding from the Society. B. Haner said she would send her a list of attendees and M. Walsh will contact them for documentation. The second concern was the handling of the Ansari fund. In 1994 the Society was given \$5000 to fund the Mary Ansari Best Reference Book Award. The Society

has been awarding \$500 to each year. D. Trombatore is concerned that the award exceeds the amount received from investing the \$5000. M. Walsh explained that the Society knew this when the award was initiated. She will pass this information along to the auditor. The 1994 treasurer's report in the February 1995 newsletter stands as printed.

M. Walsh explained that in the past budget requests were due December 15, but it would be desirable to get them by September 15 so the following year's budget could be approved at the annual meeting. B. Haner stated the Society's bylaws require that a budget be in place by January 1. A discussion followed. It was decided that out-going officers and committee chairs should submit budget requests for the following year by September 15.

A discussion of officer and committee chair operations manuals followed. A suggestion was made to put the manuals on our Web site so they would be easily available. It was also suggested that new chairs be given copies of proposed and actual budgets for the last three years to help them with their own budget requests. It was decided that Nancy Blair will be responsible for the operations manuals and will be the contact person for information on them.

Vice-President's Report: Nancy Blair commented on the up-coming programs.

Past President's Report: Connie Wick announced that she has developed guidelines for the Nominating Committee and the Past President.

Secretary's Report: Carol La Russa reported on membership trends for the Society. The number of members has varied considerably, ranging from 249 in 1988, a high of 280 in 1991 to 239 in 1995. The number of non-U.S./non-Canadian members is up. B. Haner suggested that the Society President prepare a letter to send out with renewal notices to encourage members to renew. An example from the Association for Women Geologists was shown as an example.

GEOINFO Report: B. Haner announced that she has received the draft of the GEOINFO V conference proceedings from J. Hruska. She is concerned because several papers that were given at the conference were not included in the proceedings. The Society provided \$1300 to publish the proceedings and will distribute the proceedings in the U.S. She also announced that nothing seems to be happening with planning for GEOINFO VI.

APPOINTEES' REPORTS:

Newsletter Editor's Report: Connie Manson proposed that the newsletter change from numbered issues to annual volume numbering. The Executive Board decided to keep numbering issues.

Ad Hoc Committee to Evaluate Publication Report: Lois Pausch announced that the committee is meeting today to look at current and possible future publications in print, on the Web, or online.

Ad Hoc Committee on the Union List of Geologic Field Trip Guidebooks, 6th Edition: Dorothy McGarry stated that the camera-ready copy for the guidebook should be available at the AGI booth.

GeoRef Users' Group Steering Committee Report: Suzanne Larsen announced that AGI is in the process of retrospectively changing serials abbreviations to their full form. They are 75% done with this project.

Publications Manager Report: Lois Heiser announced that the 4th edition of the *Directory of Geoscience Libraries* is now out-of-print. Expenses are down because fewer copies of the proceedings and directory were printed but postage costs are up.

Membership Committee Report: Nan Butkovich described the results of her committee's survey of former members. Nobody said he or she did not renew due to the dues increase of 1994. They mentioned changes of interest and high cost of attending annual meetings. She recommended that the survey be done annually. C. Wick suggested the committee contact geology librarians listed in the *Directory of Geoscience Departments*. N. Butkovich stated that the membership form needs to be revised. The Board agreed and assigned the membership committee to do it.

AGI Government Affairs Program (GAP) Report: Marie Dvorzak reported on the program's activities. The Board asked her to take the Society's concerns about USGS Publications and Libraries back to AGI. M. Dvorzak suggested GIS increase its voluntary contribution to from \$1 per stipulated member to \$1.25. The board decided to discuss this at the annual membership meeting.

Preservation Proposal: Susan Klimley reported that she is giving a paper Wednesday on preservation. She stated that the technological means are now available to digitally preserve geoscience information, including imagery. We now need a national plan. She asked if the Society has the resources for this. She suggested that the plan be modeled on the Agricultural plan. Discussion followed on the need for a more prestigious organization to back the plan, the need to get local support, and the need for coordination. The Board decided that because S. Klimley will be attending an AGI meeting at the same time as the membership meeting, she should designate someone else to make a presentation on the topic. The Board decided that the proposal gets an adequate response at the meeting, the Society will move forward on the issue.

Ad Hoc Committee on Web Server: Vivienne Roumani-Denn stated the need for a Web Editor and a working committee, not just an advisory committee, to maintain

the Society Web site. It was decided to bring up the issue at the membership meeting.

Digital Data Committee: Barbara De Felice recommended that funds be made available to the committee for complete computer support for the Digital Data Forum. With adequate computer equipment the committee could get more vendors to demonstrate their products.

Vice-President Elect's Report: Barbara De Felice announced that the theme for the 1996 GSA conference is Earth Systems Summit. She hopes to get papers on topics such as: GIS information sources for earth systems science, challenges to libraries posed by interdisciplinary research, data format, Web sites for global change, and changes at governmental agencies.

Announcements

Lois Pausch requested that officers and committee chairs remember to deposit documents in the archives.

C. Manson announced that the new edition of the *Directory of Geoscience Libraries* is coming and she hopes it will go to press at the end of December or January.

The meeting was adjourned at 12:00

Members present: Nancy Blair, Nan Butkovich, Glenn Cook, Barbara De Felice, Marie Dvorzak, Barbara Haner, Lois Heiser, Lura Joseph, Claren Kidd, Susan Klimley, Carol La Russa, Suzanne Larsen, Connie Manson, Dorothy McGarry, Linda Musser, Lois Pausch, Vivienne Roumani-Denn, Sally Scott, Margy Walsh, Connie Wick.

Respectfully submitted

Carol La Russa, GIS Secretary

Digital Database Forum report

About 40 people attended the Geoscience Information Society's Digital Database Forum on Sunday, November 5 at the annual Geological Society of America meeting. A slide presentation on the usefulness of the geographic information systems software ArcView and Arc Info that is produced by the Environmental Systems Research Institute (ESRI), was given by Charles Barnwell of the Alaska ESRI office. Doria Grimes, Chief of the Contract Operations Branch of the NOAA Central Library discussed NOAA's CD-ROM program, and other aspects of NOAA's information gathering and disseminating work. After a short break during which the attendees were treated to refreshments courtesy of Elsevier, GeoBase on a new version of WinSpirs was demonstrated by Adrian Hall of Elsevier. Dr. Ian Francis wrapped up the session by showing the special features of the new product MinSource, a combination of Mineralogical Abstracts and Hey's Mineral Index, published by Chapman and Hall.

respectfully submitted,

Barbara DeFelice, Chair, Digital Data Committee

Geoscience Information Society - FINANCIAL REPORT
Jan 1995--September 1995

	Income Budgeted	INCOME Actual	Expenses Budgeted	EXPENSES Actual
EXECUTIVE BOARD (Subtotal)	-	-	(\$2,595.00)	(\$604.88)
President	-	-	(\$450.00)	(\$39.60)
Vice-President	-	-	(\$590.00)	-
Past President	-	-	-	-
Secretary	-	-	(\$505.00)	(\$278.27)
Treasurer	-	-	(\$600.00)	(\$12.53)
Teleconferences	-	-	(\$450.00)	(\$274.48)
MEETINGS (Subtotal)	-	-	(\$3,865.00)	(\$1,563.39)
1995 Meeting	-	-	(\$475.00)	(\$339.26)
1995 Meeting: Exhibits	-	-	(\$1,965.00)	-
1995 Meeting: Field Trip	-	-	-	-
1994 Meeting	-	-	(\$1,225.00)	(\$1,224.13)
1994 Meeting: Exhibits	-	-	(\$200.00)	-
1994 Meeting: Field Trip	-	-	-	-
DUES (Subtotal)	\$10,450.00	\$10,095.00	-	-
Corporate	\$2,800.00	\$2,550.00	-	-
Corporate, Sustaining	-	\$200.00	-	-
Personal	\$7,380.00	\$6,680.00	-	-
Personal, Sustaining	-	\$300.00	-	-
Retired	\$180.00	\$225.00	-	-
Student	\$90.00	\$140.00	-	-
PUBLICATIONS (Subtotal)	\$6,165.00	\$2,526.20	(\$8,575.00)	(\$4,940.71)
Publications Manager	-	-	(\$1,425.00)	(\$405.93)
Dir of Geoscience Libraries	\$1,000.00	\$420.00	-	-
Mailing Labels	\$200.00	\$255.00	-	-
Membership Directory	-	-	(\$1,200.00)	(\$1,030.00)
Newsletter: Printing	-	-	(\$2,345.00)	(\$1,080.72)
Newsletter: Mailing	-	-	(\$1,155.00)	(\$522.42)
Newsletter Subscriptions	\$1,200.00	\$580.00	-	-
Proceedings, V25 (1994)	\$1,250.00	\$180.00	(\$2,450.00)	(\$1,901.64)
Proceedings, V24 (1993)	\$1,750.00	\$735.00	-	-
Proceedings, V23 (1992)	\$500.00	\$152.95	-	-
Proceedings, V22 (1991)	\$165.00	\$100.00	-	-
Proceedings, V21 (1990)	\$100.00	\$40.00	-	-
Proceedings, V20 (1989)	-	\$45.00	-	-
Reprints	-	\$18.25	-	-
Representatives/Appointees (Subtotal)	-	-	(\$900.00)	(\$238.81)
AGI Member Council Rep	-	-	(\$400.00)	(\$238.81)
AGI Govt Affairs Program Rep	-	-	-	-
CUAC	-	-	(\$400.00)	-
Publicity Manager	-	-	(\$100.00)	-
Publications Manager (see PUBLICATIONS section)	-	-	-	-

COMMITTEES (Subtotal)	-	-	(\$1,715.00)	(\$94.80)
Ad Hoc: 5th ed, Dir Geo Libs	-	-	(\$750.00)	(\$94.80)
Archives	-	-	(\$50.00)	-
Best Paper	-	-	(\$75.00)	-
Best Reference Work	-	-	(\$65.00)	-
Collection Development	-	-	(\$100.00)	-
Digital Data	-	-	-	-
Educational Initiatives	-	-	(\$50.00)	-
Geonet-L Adv Board	-	-	-	-
GeoRef Users	-	-	(\$50.00)	-
Guidebook	-	-	(\$50.00)	-
International Issues	-	-	(\$50.00)	-
Membership	-	-	(\$250.00)	-
Nominating	-	-	(\$175.00)	-
Publications	-	-	(\$50.00)	-
AGI SOCIETY DUES	-	-	(\$750.00)	(\$264.00)
GIFTS (Unrestricted)	\$150.00	\$165.00	-	-
BANK CHARGES	-	-	(\$50.00)	(\$6.00)
INTEREST	\$450.00	\$467.57	-	-

Operating Income & Expenses	\$17,215.00	\$13,253.77	(\$18,450.00)	(\$7,712.59)
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SPECIAL FUNDS

Ansari Fund (est. 1994)	\$50.00	\$29.05	(\$500.00)	-
Bristol Fund	-	\$7.40	-	-
GeoInfo Fund (est. 1982)	-	\$43.52	-	-

Total Income & Expenses	\$17,265.00	\$13,333.74	(\$18,950.00)	(\$7,712.59)
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Opening Balance (1/1/95) GRAND TOTAL: \$33,072.20

CHECKING

BA: Bank of America	\$20,393.31
TX: BankOne, Texas	\$7,346.30

SAVINGS

Ansari (BA)	\$4,590.02
Bristol (BA)	\$742.57

*GeoInfo
TOTAL \$27,739.61 TOTAL \$5,332.59

Closing Balance (TODAY) GRAND TOTAL: \$38,693.35

CHECKING

BA: Bank of America	\$22,694.49
TX: BankOne, Texas	\$10,629.82

SAVINGS

Ansari (BA)	\$4,619.07
Bristol (BA)	\$749.97

*GeoInfo
TOTAL \$33,324.31 TOTAL \$5,369.04

*GeoInfo funds (1/1/95 value: \$3,371.16) included in general BankOne account

Geoscience Information Society ANNUAL REPORTS

Representatives

Cartographic Users Advisory Council

CUAC has been relatively inactive for the past year. Four Members, Margaret Brill & John Stevenson (MAGERT), Donna Koepp (GODORT) and Dan Seldin (NACIS), met in Chicago in June and their report was published in early October on MAPS-L. Of major interest to the geoscience community are the comments of Michael Domaratz from the GODORT meeting. Due to budget cutting, the USGS and other federal agencies will no longer be able to publish materials in both paper and digital formats. USGS is working to provide metadata, product descriptions and ordering information online. They also hope to provide direct access to some data through the Internet. Working with state and local governments and businesses will allow agencies to produce more detailed data and not increase costs for USGS.

The CUAC representatives present decided to contact all participating organizations to update the membership roster. A CUAC meeting hopefully will be organized to follow the Depository meeting in spring in Washington, DC. With current federal cutbacks, it is more important to communicate our users needs to agencies producing maps and digital spatial data.

Respectfully submitted,

Richard Spohn, GIS Representative to CUAC

Western Association of Map Libraries

WAML met October 15-18 in Las Vegas, NV. The meeting was organized by Kathy Rankin from UNLV. Most of the presentations center around mapping and GIS for the lower Colorado Valley, though a particularly well received paper on application of GIS to locating underground water resources in developing countries was presented by Jerry Carter. A field trip to Boulder Dam and Lake Meade was part of the activities.

Three major issues were discussed in the business meeting. Concern was again expressed about continuing the tradition of two meetings per year. Relatively low attendance at Las Vegas caused this issue to surface. There will be two meetings in 1996 and 1997, since they are already planned. The Executive Board will consider this issue again in the future. The Information Bulletin will be shifting it's focus to include more fundamental things like basic information and less scholarly articles.

Scholarly articles will be considered if submitted. However, members want to see more emphasis on "tricks of the trade" and review of maps and software. Stan Stevens introduced a proposal to create WAML Electronic Bank (WEB). This home page would include WAML information and resources contributed by WAML members. Stan's proposal is a "pay for use" service with WAML members earning credits for contributing information. The membership voted to provide start up funds for the project. Larry Cruse will have a person at San Diego create the basic framework of the home page.

The WAML 1996 Spring Meeting will be held April 18-20 at Humboldt State in Arcata, CA and the 1996 Fall Meeting will be held September 12-14 in Seattle, WA. The 1997 meetings will be held in Phoenix and Pasadena.

Respectfully submitted,

Richard Spohn

JOB ANNOUNCEMENT

GOVERNMENT INFORMATION/MAPS LIBRARIAN,
Valparaiso University, Valparaiso, IN

Government Information/Maps Librarian, Moelling Library, Valparaiso University. Department head responsible for collection development (60% U.S. Depository), technical processing, preservation, and user services. Supervise hourly and student personnel. Participate in general reference and library instruction, collection management, and library planning. Continuing appointment; faculty rank. Salary and rank commensurate with experience; minimum \$25,000/12-month contract.

Required: ALA accredited master's degree; experience with government information sources and delivery formats; strong public service orientation and collegial outlook; experience with networked environments and microcomputer applications; willingness to work in a university committed to Christian higher education in the Lutheran tradition. Desired: Map library experience; familiarity with MARCIVE and Innovative Interfaces. Send letter of application, curriculum vitae, and three letters of reference to: Judith Miller, Chair, Search committee, Moelling Library, Valparaiso University, Valparaiso, IN 46383. Review of applications will begin January 8, 1996 and continue until position is filled. AA/EOE.

Donna Resetar, Assistant University Librarian for Access Services, Moelling Library Valparaiso University, Valparaiso, IN 46383 219-464-6183 email: dresetar@orion.valpo.edu

GEOSCIENCE SERIAL PRICES
by
Michael Noga
Collection Development Issues Committee

The following list is a sample from my serials price database. The prices come from invoices and publisher price lists. Prices may be different depending on the subscription source and the time the subscription was entered. Prices for other titles will be published in the February 1996 GIS Newsletter, when price information is available. Serials are included in this list if they fit two criteria: 1) The subject fits broadly into geoscience; and 2) there is sufficient price information.

TITLE	1993	1994	1995	1996
American Journal of Science.....	90	115	125	135
Annales Geophysicae.....	721	597	675	1001
Annual Review of Astronomy and Astrophysics.....	57	54	54	65
Annual Review of Earth and Planetary Sciences.....	53	56	56	67
Antarctic Science.....	156	164	178	236
Applied Geochemistry.....	300	300	329	385
Australian Journal of Earth Sciences.....	290	325	349	385
Boreas.....	142	127	143	173
Bulletin of Volcanology.....	436	477	508	597
Catena.....	332	363	551	704
Chemical Geology.....	1447	1626	1814	2261
Computers & Geosciences.....	938	930	1006	1177
Contributions to Mineralogy and Petrology.....	2043	2174	2133	2874
Earth and Planetary Science Letters.....	1352	1456	1743	2168
Earth Moon and Planets.....	925	880	910	1206
Journal of Metamorphic Geology.....	395	435	475	495
Journal of Micropaleontology.....	100	110	100	108
Journal of Molluscan Studies.....	160	165	170	190
Journal of Petrology.....	273	295	350	380
Journal of South American Earth Sciences.....	266	254	255	414
Journal of Southeast Asian Earth Sciences.....	513	490	485	859
Journal of Structural Geology.....	618	640	708	835
Journal of Volcanology and Geothermal Research....	965	1139	1178	1500
Lethaia.....	142	129	143	172
Lithos.....	339	529	551	723
Marine Chemistry.....	855	855	919	1183
Marine Geology.....	1352	1385	1481	2049
Marine Micropaleontology.....	434	444	473	585
Marine Pollution Bulletin.....	447	430	462	589
Mathematical Geology.....	425	455	485	525
Mineralium Deposita.....	419	455	462	681
Mineralogy and Petrology.....	504	500	663	738
Natural Hazards.....	282	288	329	413
Norsk Geologisk Tidsskrift.....	114	121	135	155
Oceanology.....	490	490	490	490
Ore Geology Reviews.....	310	306	326	445
Organic Geochemistry.....	618	700	1185	1646
Palaeogeography Palaeoclimatology Palaeoecology...	1587	1539	1726	2470
Paleoceanography.....	195	215	215	275
Physics and Chemistry of Minerals.....	832	814	883	1127

Physics and Chemistry of the Earth.....	589	550	589	692
Physics of the Earth and Planetary Interiors.....	1274	1317	1370	1683
Planetary and Space Science.....	1416	1355	1431	1718
Precambrian Research.....	1038	1219	1244	1592
Quaternary International.....	262	250	373	438
Quaternary Science Reviews.....	599	575	619	724
Remote Sensing of Environment.....	796	908	1159	1236
Review of Palaeobotany and Palynology.....	898	908	973	1457
Reviews of Geophysics.....	220	220	220	250
Rock Mechanics and Rock Engineering.....	215	225	237	222
Scottish Journal of Geology.....	102	114	119	126
Sedimentary Geology.....	1004	1187	1348	1686
Sedimentology.....	474	434	479	546
Surveys in Geophysics.....	296	296	352	433
Tectonics.....	308	330	330	385
Tectonophysics.....	2444	2429	2505	3090
Water Resources Research.....	530	660	660	675
Yorkshire Geological Society. Proceedings.....	77	94	92	101

Average price increase for 1995/1996 = 26%

REVIEWS

by

Linda Musser

In "Factors That Influence Reference Success: What Makes Questioners Willing to Return?" by Joan C. Durrance (The Reference Librarian, no. 49/50 (1995), p. 243-265) the author identifies those factors in a reference transaction which most strongly correlate with satisfaction for the user. Some of the highest factors include possession of good listening skills, asking follow-up questions, and interest in the question itself.

Oil and Gas Journal (V.93, no.37 (Sept. 11, 1995), p. 33-38) features an article on Internet and bulletin board resources for the oil and gas industries. "New Routes to Energy Data: Information Access Quick, Easy With Internet, Bulletin Boards" by Patrick Crow highlights various web sites and describes how many organizations are using these electronic resources.

"The Oceanographer's Toolkit: Oceans of Data: Oceanographic CD-ROMs for Research and Education" by Elizabeth Smith (Oceanography, v.8, no.2 (1995):67-70) does exactly what its title says - it describes various CDs containing oceanographic data.

"Mining Research Trends as Reflected in SME Transactions, 1961-1990" by Lloyd M. English and Y. J. Wang (Mining Engineering, v.47, no.10 (Oct. 1995):927-931) focuses on the publishing trends and characteristics of 30 years of the Transactions of the SME. The authors analyze the number of authors per paper, the organizational

affiliation of the authors, and discipline representation as well as other aspects. Bibliometricians will not find the data highly useful for comparative purposes. [Thanks go to Connie Manson for pointing out this article.]

An interesting essay by Robert Campbell, Managing Director of Blackwell Science Ltd., appeared in Terra Nova (v.7, no.3 (1995):390) in response to an earlier essay by Dr. van Anel (Terra Nova, v.6 (1994):651-652). Dr. van Anel was concerned about the costs of the serial literature in the geosciences. Mr. Campbell outlines the plans that Blackwell Science has for going electronic with their publication and how they may change their pricing structure.

PATRICIA B. YOCUM has written an article discussing the qualities required for science librarianship in "Challenge and Change: Some Observations of Academic Science Librarianship" (Science & Technology Libraries, v.15, no.2 (1995):17-24).

New publications of interest:

RLG Digital Image Access Project. RLG, 1995.

Reviews of Reference Works:

Gems: Their Sources, Descriptions and Identification. Butterworth-Heinemann (1994)

- Choice, v.33, no.1 (Sept. 1995), p.409.

- Gems & Gemology, Spring 1995, p.76.

**Changes at the
Canadian Geoscience Information Centre
Geological Survey of Canada**
reported by Beverly Chen
chen@gsc.emr.ca

Several milestones were reached in 1994-95 with the completion of Phase II of CGIC's implementation of its new integrated library system, including an online Union Catalogue with GSC's regional libraries and automated circulation. The Union Catalogue became available, along with a number of other CGIC services and products, via GSC's network, the Internet Gopher and, most recently, CGIC's Web Home Page.

CGIC introduced other databases, its Directory of Specialists and Digital Data Directory, and will shortly be making its International Activities Database available. All the databases are or will soon be accessible via the Internet.

The CGIC coordinated the design and establishment of the first GSC-Links in Toronto and Winnipeg. The GSC-Link kiosks provide internet links to GSC products and services and were developed in response to needs identified by external geoscience clients in key geographic areas. Additional Links are being planned for Fredericton and St. John's.

Federal budget cuts and program review recommendations announced in mid-1995 are impacting the CGIC over a three-year period, including the loss of some positions and a decrease in operating funds. The Geophysics Library will be closed and the collection consolidated with the main collection. GEOSCAN, which has been Canada's national geoscience bibliographic database, will become a Federal geoscience database primarily for GSC publications with the termination of the provincial/agency component in April, 1996. Cost recovery for services to external clients was put in place in April, 1995.

A major Departmental reorganization was announced in mid- August resulting in the merging of the Geological Survey with Geomatics Canada (formerly Surveys, Mapping and Remote Sensing) to form the new Earth Sciences Sector. Transition Teams are now planning the details of the merger which will see the CGIC and GC libraries combined into one physical location, with the loss of some positions.

A thorough review of all the CGIC's Exchange Program agreements was completed, resulting in the cancellation of more than half of the agreements. There is an ongoing process of rationalization of serials collections and the cancellation of titles involving the CGIC, GSC's regional libraries, other NRCan libraries and other Federal libraries.

**Changes at the U.S. Bureau of Mines--
USBM Minerals Information Continues...
at the U.S. Geological Survey**
reported by
L. Michael Kaas

Acting Associate Director for Information and Analysis

Although the Congress has acted to close the U.S. Bureau of Mines, the Bureau's Minerals Information functions are being transferred to the U.S. Geological Survey (USGS) in early 1996. The "Mineral Industry Surveys," "Mineral Commodity Summaries," and the "Minerals Yearbook" will continue to be published.

The entire Minerals Information team is committed to making this transition to the USGS as smooth as possible. We will try to do everything possible to maintain a high level of service to our data collection partners and information customers as we make the move to the USGS. The next edition of the "Minerals Yearbook" is currently ahead of schedule, and all three volumes should be available before or by January 1996. We will continue to make the "Mineral Industry Surveys," "Mineral Commodity Summaries," and the annual commodity, State, and country chapters of the "Yearbook" available electronically through our FaxBack service.

YOU continue to be the key to the success of the Minerals Information Program! Without our industry partners who voluntarily provide the minerals production and consumption data, this effort could not take place. We also value the customer feedback we receive from the users of the nearly three quarters of a million publications we disseminate annually. Through your cooperation, together we have built the finest minerals information collection, analysis, and dissemination system. It is unequalled anywhere in the world. Truly, it is an example of a government program that works; and we want to keep it that way!

Your commitment to supporting this program is more important than ever. If you have any questions about the transfer to the USGS or any suggestions on how we can serve you better, please call us (202-501-9362), write us (810 Seventh Street, NW., M.S. 5200, Washington, DC 20241-0002), or fax us (202-501-9958).

Many thanks for your continued support; and stay tuned to our World Wide Web Home Page for progress reports about the transfer to the USGS.

Comments, questions: gambogi@whq.usbm.gov

Changes at the USGS and the Impact on GIS Members

reported by
Nancy Blair, USGS Menlo Park

During the past year, the USGS has undergone a buy-out and a reduction-in-force (RIF) reducing the number of employees. The Geologic Division has undergone a complete re-organization changing the focus of many programs. Other parts of the Department of the Interior have been eliminated including the Bureau of Mines. The functions of the Bureau of Mines which will continue to maintain will be absorbed by other agencies including the USGS.

These changes will have a great effect on the publications of the USGS, both in what is published and how it is published. The USGS libraries have not yet undergone restructuring, but a committee is evaluating changes that will reflect the new changes in the Survey.

At the present time, there are no decisions on any of these issues and the closing of Federal offices will further delay the process. The GIS Newsletter hopes to keep you informed as decisions are made and information becomes available.

ANNOUNCEMENTS and PUBLICATIONS

New Director of Government Affairs for AGI

David Applegate has been named the new Director of Government Affairs at AGI. Dr. Applegate was formerly the AGU's Congressional Science Fellow on the U.S. Senate Committee on Energy and Natural Resources. Prior to that he was a postdoc researcher at MIT. His research interests include the application of structural geology, geochronology, and metamorphic petrology to tectonic problems.

Marcus Milling, AGI Executive Director, said, "With his experience as both a research scientist and Senate committee staff member, David is well prepared to serve as spokesman for the geoscience community on national issues of concern to us all."

Applegate succeeds Craig Schiffries, who was appointed Director of the Board on Earth Sciences and Resources of the National Research Council in June.

GeoRef Revised!

GeoRef, the 1.9 million record bibliographic database of the American Geological Institute, is being edited to normalize the older data. By mid-November, a completely revised version of the GeoRef database is expected to be available.

In the late 1970s, approximately 368,000 references, derived from three print bibliographies--*Bibliography and Index of North American Geology (1785-1970)*, *Geophysical Abstracts (1966-1971)*, and the *Bibliography and Index of Geology Exclusive of North America (1933-1968)*--were added to the GeoRef database.

Changes made in 1994 and 1995 to this data and in the rest of GeoRef are as follows:

- **GeoRef Export Format:** GeoRef is now delivered on two CD-ROMS as a series of ASCII files, suitable for processing on a microcomputer. Pre-1975 data fields have been converted to the current fields, reducing the number of fields from 64 to 53. New documentation describes each field and includes examples of each field and of entire references. The fields in GeoRef are still based on those in the *UNISIST Reference Manual for Machine-Readable Bibliographic Descriptions*, but the record format departs from the UNISIST manual in that it drops the record header and the use of indicators.

- **Data Corrections:** Corrections received from users have been made. Many computer checks on data in specific fields have been completed. The process of removal of duplicate references has been carried forward.

- **Serial Data:** Variants of serial titles have been standardized. The serial title form used at the time the reference was published has been used and ISSNs have been added wherever they exist. The form of the serial title is the Key Title associated with the ISSN, when available. A Serial File is available in electronic form for use with GeoRef. This file includes present or last title, former titles, alternate titles, and other relationships between serials cited in GeoRef. It also includes publisher, location and country of publication, CODENs, and--where no ISSN or CODEN is available--an internal number linking references in GeoRef to the related serial file record.

- **Index Terms:** All references now have index terms. This was accomplished by adding indexing to about 7,000 older references lacking them. GeoRef editors standardized terms which currently have broader terms and then autoposted broader terms throughout the file, based on the current *GeoRef Thesaurus*, 7th edition, 1994. Terms for countries, states, and cities correspond to those published in the current thesaurus--or example, "San Juan County Colorado," and "San Juan County New Mexico"--rather than merely San Juan County.

- **Language:** A field for the document's language was added to over 500,000 pre-1975 references. Language is now included in all GeoRef references.

- **Publisher and Country of Publications:** Publishers are now included for serials. Previously it was only included for books. The country of publication is present

for most references throughout the file. The GeoRef staff has attempted to use the name of the country at the time the document in the reference was published--for example, "USSR" for documents published during the era of the Soviet Union.

- **Catagories:** The 30 subject categories currently in use for GeoRef have been assigned to all earlier references. This involved renumbering categories from 1967-1974 and assigning categories to pre-1967 references.

- **Update Code:** A new field gives the year the reference was added to GeoRef (for pre-1994 data). For data added in 1994 and afterwards, this field gives both the year and update number--for example, "199517" represents the 17th update in 1995, making it easy to restrict a search to the newly added data. Since 1994, GeoRef has been updated twice monthly.

These changes make GeoRef substantially easier to handle, both for the system designer charged with loading the data and for the ultimate user. There is no doubt that these changes will produce better search results, especially from the pre-1975 data in GeoRef. AGI is making the revised GeoRef available to all licensees of the database.

SilverPlatter Information supplies the GeoRef database on CD-ROM to subscribers. The database is also available online through several search services, which charge for the time used online and the number of references retrieved. Other organizations find that a GeoRef network license is the most cost-effective way to access the database. In addition, the *Bibliography and Index of Geology*, the printed version of the database, is published monthly by AGI. For detailed information about subscribing to GeoRef, contact Kay Yost at the American Geological Institute; phone: (703) 379-2480; fax: (703) 379-7563; or e-mail: <kyost@agi.umd.edu>.

AGI's Groundwater and Soil Contamination Database on CD-ROM

GeoRef has announced the release of the Groundwater and Soil Contamination (GSC) Database, to be released on CD-ROM by SilverPlatter, with quarterly cumulated updates. The new database will contain approximately 45,000 references to documents published since 1978, primarily from U.S. publications but including literature from other countries. The database includes relevant publications of U.S. federal agencies and also reports, books, journals, conference proceedings, and theses and dissertations. The data fields, indexing vocabulary, and format will follow conventions used in production of the GeoRef database.

An annual subscription to the GSC database and CD-ROM will include quarterly updates; powerful, easy-to-use

search software; support documentation; and toll-free customer assistance.

Search software for DOS, Windows, and Macintosh is available. The number of new references in each quarterly update is expected to range from 600 to 700. The cost of an annual subscription for use at a single, stand-alone workstation is \$495 within the United States and Canada, or \$545 in other locales.

For more information contact SilverPlatter Information, Inc. at (800) 343-0064 or by fax: (617) 769-8763.

INTERNET NEWS

(as plucked from the Web, with contributions from: Curt Stucki <CurtS@DIS.WA.GOV>; Ian Gordon igordon@spartan.ac.brocku.ca; Dr. Alan R. Fisher Alan_Fisher@mail.fws.gov; Steve Habib Rose; Terry Kuny ifla@nlc-bnc.ca

One of the most comprehensive indices of U.S. State and Local government WWW sites is located at:

URL: <http://www.piperinfo.com/piper/state/states.html>

Internet Resources for the Environmental Industry are accessible at

<http://www.enviroindustry.com/resources.html>

This, reportedly, is "A well-maintained list of Internet resources relevant to the environmental industry, including general starting points, design for environment, government agencies, ISO 14000, law/regulation/policy, pollution prevention, recycling, and wastewater."

It is sponsored by the Environmental Industry Web Site <http://www.enviroindustry.com/>

The U.S. Fish and Wildlife Service (USFWS) has a World Wide Web (WWW) Server for the Management Assistance Team (MAT). You can access this server directly at: <http://www.fws.gov/~tubutisc/mat.html>

The Wide Area Information Server (WAIS) for the USFWS Reference Service is now completed. This database contains over 25,000 bibliographic citations dealing with fish and wildlife; it can be accessed directly at: <http://www.fws.gov/htdocs/fwrefser.html>

Both these servers are on the the USFWS Home Page at: <http://www.fws.gov/>

Everyone should try VolcanoWorld
<http://volcano.und.nokak.edu>

BABEL: A Glossary of Computer Oriented Abbreviations and Acronyms is now available on the Web making this good reference work readily available on your hotlist. The glossary is revised three times a year (January, May and September) to keep current with the rapidly changing notations used in the computer world. It also includes entries used before 1965, adding historical context.

<http://www.access.digex.net/~ikind/babel95c.html>
ftp to: ftp.temple.edu
path: pub/info/help-net/babel95c.txt

DIGLIB, a Digital Libraries Research discussion Listserv is now available. It's intended for librarians, information scientists, and other information professionals to discuss the constellation of issues and technologies pertaining to the creation of digital libraries. They encourage submissions about digital library-related issues, including: projects; conferences; policy developments; research-in-progress; finding aids; bibliographies; reviews; resources; technologies; theory and practice. The list is lightly moderated and submissions will be archived.

To subscribe, send the following to:

LISTSERV@INFOSERV.NLC-BNC.CA

in the body of the message:

SUBSCRIBE DIGLIB <first name> <last name>

To post messages to the list, send messages to:

DIGLIB@INFOSERV.NLC-BNC.CA

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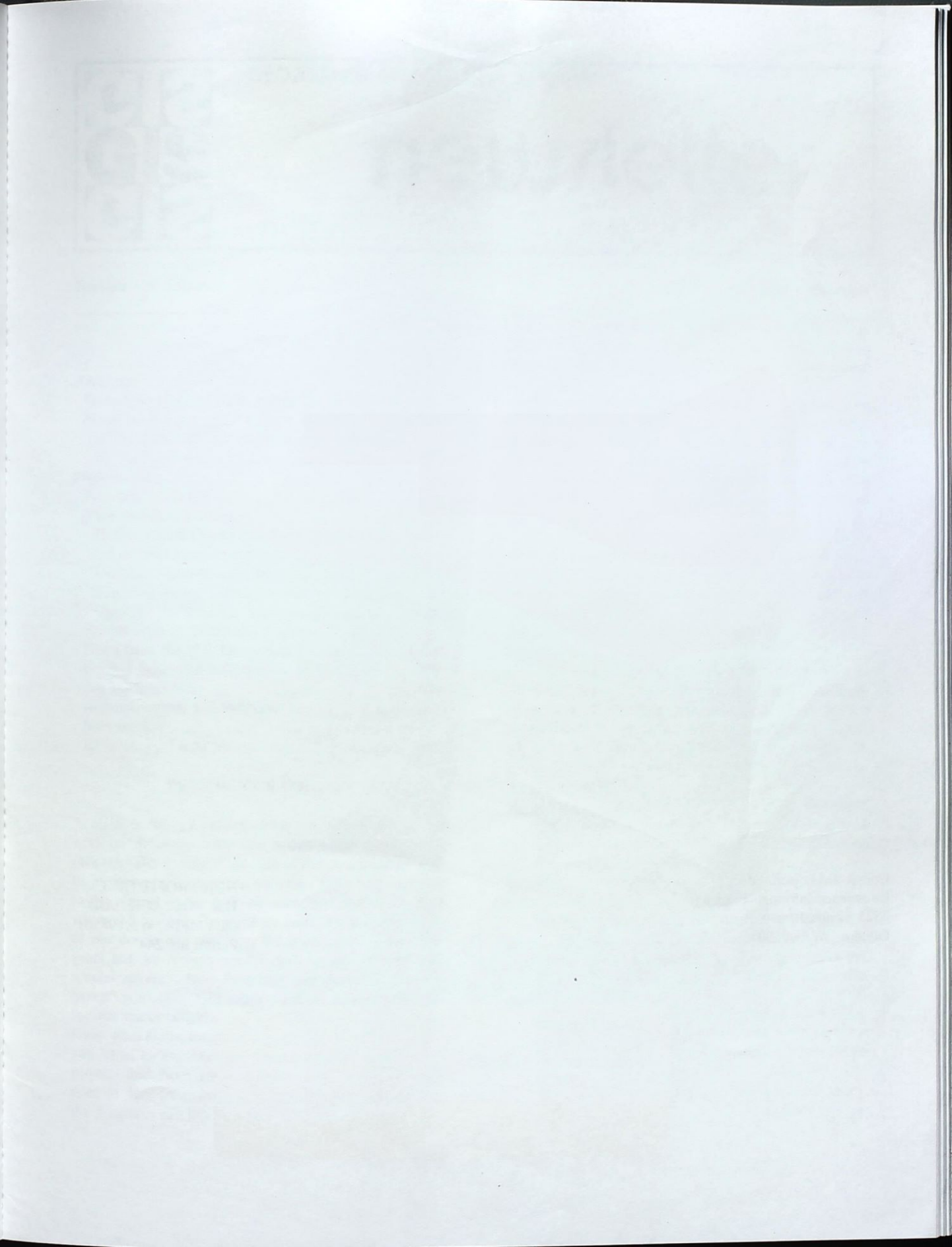
For further information, contact the IFLANET Administration at: ifla@nlc-bnc.ca

MEMBER NEWS

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