

Communicating Science in the 21st Century

*Research Integrity From Design to
Dissemination and Beyond*

FINAL
PROGRAM



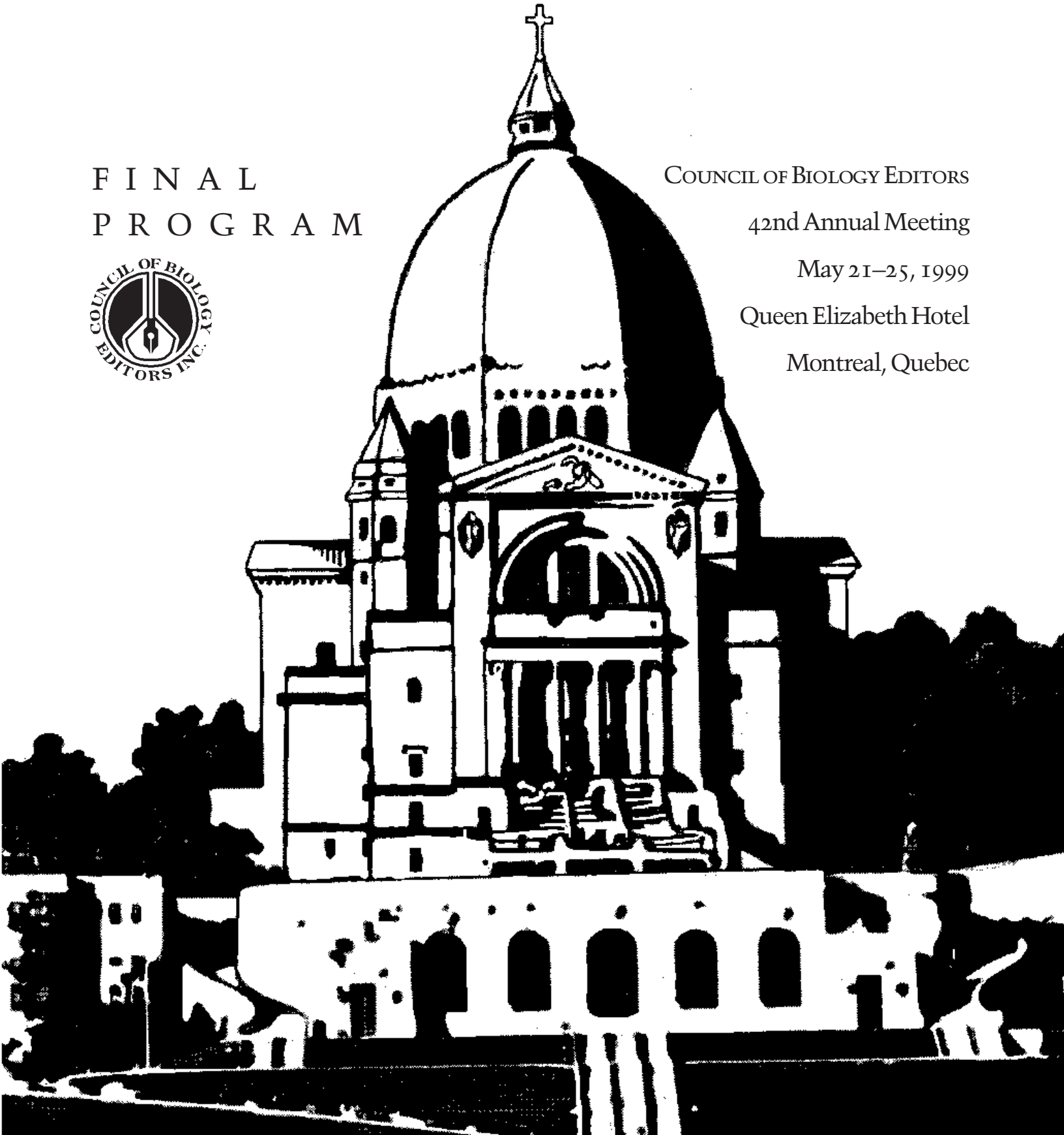
COUNCIL OF BIOLOGY EDITORS

42nd Annual Meeting

May 21–25, 1999

Queen Elizabeth Hotel

Montreal, Quebec



Communicating Science in the 21st Century

Research Integrity From Design to Dissemination and Beyond

Council of Biology Editors 42nd Annual Meeting, May 21–25, 1999
Queen Elizabeth Hotel, Montreal, Quebec

Dear Colleagues:

Welcome to the 42nd Annual Meeting of the Council of Biology Editors, "Communicating Science in the 21st Century: Research Integrity from Design to Dissemination and Beyond."

In a year when integrity—personal, scientific, and journalistic—has captured the limelight, we meet to explore where the communication of science is with respect to integrity: in research study design and implementation; in authorship decisions; and in publication, including the implications of publishing in media other than print.

Once again, the CBE Program Committee has brought together topics and speakers that will send you home with answers, fascinating discussions churning in your heads, and questions you hadn't pondered. Each of our plenary speakers has a provocative message to share, and our concurrent sessions deliver CBE's tradition of education and spirited dialogue. You can take advantage of interacting with the companies who have generously chosen to exhibit at the meeting. They provide yet another educational tool to learn about products that make our work possible. We know you will participate enthusiastically, as you always do—it's the best way to absorb the most of what our Program Committee has planned for you.

The receptions, breakfast, lunches, tours, and, of course, the annual banquet and award ceremony are more occasions to meet and talk with your colleagues. Members of your Board of Directors and I hope to meet you at one of these functions. If we have not met, please introduce yourself. Share with us what you wish for CBE and what you get out of your membership and attendance at this meeting.

Enjoy all that the *magique* of Québec à Montréal and this annual meeting have to offer. *Bienvenue!*

With warmest regards,

—*Patricia Huston, MD, CBE President*

1999 Program Committee

Margaret Reich, *Annals of Emergency Medicine* (Chair)
Tom Lang, New England Medical Center (Vice-Chair)
Mildred Cho, PhD, Stanford Center for Biomedical Ethics
Tom Ferguson, MD, *The Annals of Thoracic Surgery*
Cheryl Iverson, American Medical Association
Ann Link, *Journal of Immunology*
David Perrin, PhD, ATC, *Journal of Athletic Training*
C. Michael Phillippe, The Mack Printing Group
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Ana Arias Terry, NetPubs International
Margaret Winker, MD, *JAMA*

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Diane Scott-Lichter (Past Chair)
Judy Jansen, *Biology of Reproduction* (Past Vice-Chair)

LOCAL ARRANGEMENTS:

Linda Armitage, Medicopea International

What Is the Council of Biology Editors?

The Council of Biology Editors was established in 1957 by the joint action of the National Science Foundation and the American Institute of Biological Sciences. It enjoys close relations with other organizations in scientific publishing, both national and international, but it functions autonomously. The Council aims to improve communication in the life sciences by educating authors, editors, and publishers; by providing efficient means of cooperation among persons interested in publishing in the life sciences; by promoting effective communication practices in primary and secondary publishing in any form; and by supporting, devising, and disseminating standards for scientific style and format

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Acknowledgments

Impressions Book and Journal Services, Inc., Madison, WI
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(for printing the final program)

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(for proofreading the final program)

Greater Montreal Convention and Tourism Bureau
(for providing the meeting logo)

GENERAL INFORMATION

Registration Hours

Saturday, 22 May	7:30 am – 6:00 pm
Sunday, 23 May	7:30 am – 5:00 pm
Monday, 24 May	7:30 am – 5:00 pm
Tuesday, 25 May	7:30 am – 12:00 noon

CBE Membership

The regular membership fee is \$115 (US funds), which includes a discounted registration fee to the annual meeting, mid-year workshops, and retreats; a 20 percent discount on a variety of publications; the bimonthly publication *CBE Views*; and the CBE Membership Directory. For information on joining CBE, please go to the CBE Registration Desk or phone 703/437-4377.

Exhibits and Display Tables

Exhibits and display tables of members' journals and publications are located in Galerie 1.

Optional Tours and Events

All tour and event buses will depart from the side (Mansfield) entrance of the hotel. All buses will depart promptly at their

scheduled time. If you preregistered for any optional tours or events, your tickets will be in your registration packet. If you have any questions or would like to sign up for a tour, please go to the CBE Registration Desk.

Badges

The official badge and badge holder must be worn for admission to sessions, exhibits, and other meeting activities.

Evaluation Forms

Please fill out the overall evaluation form in your registration packet. The Program Committee needs your input to help make the CBE 2000 Annual Meeting even better. **By completing and turning in your evaluation form, you will be eligible to win a complimentary registration to next year's meeting.**

Session evaluation cards will be distributed during each session. Please complete these cards before you leave each session.

Speaker Ready Room

The Speaker Ready Room is located in Studio 350, 3rd floor, Sunday and Monday from 8:00 am – 5:00 pm and Tuesday from 8:00 am – 12:00 noon.

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The Impressions Web Site, at WWW.IMPRESSIONS.COM, has a wealth of useful information for book and journal publishers.

SCHEDULE AT A GLANCE

FRIDAY, 21 MAY 1999

7:30 am – 5:30 pm Annual Meeting Registration
Mezzanine

8 am – 5 pm Short Course for Journal Editors, Part I
Peribonca

8:30 am – 4:30 pm Board Meeting
St. Charles

SATURDAY, 22 MAY 1999

7:30 am – 6 pm Annual Meeting Registration
Mezzanine

8 am – 5 pm Short Course for Managing Editors
Saint-Laurent

8:30 am – 3:15 pm Short Course for Journal Editors, Part II
Peribonca

8:45 am – 4:30 pm Short Course for Manuscript Editors
Saint-Maurice

1 pm – 4 pm Committee Meetings
3rd floor

Optional Tours/Events

9 am – 4 pm Scenic Montreal Guided Bus Tour

1:30 pm – 4:30 pm Walking Tour of Old Montreal

5:30 pm – 6:30 pm Newcomers Reception
Galerie 4

6:30 pm – 8:30 pm Welcome Reception
Duluth/Mackenzie

SUNDAY, 23 MAY 1999

7:30 am – 5 pm Annual Meeting Registration
Mezzanine

8 am – 8:45 am Networking Breakfast
Marquette/Jolliet

8:45 am – 9 am Welcome and Opening Remarks
Marquette/Jolliet Reich, Huston

9 am – 10 am KEYNOTE ADDRESS. Undue Influence: When
Marquette/Jolliet Private Interests and Public Science Collide.
Shuchman

10 am – 10:30 am Coffee & Tea in the Exhibit Hall
Galerie 1

10 am – 5 pm Exhibits Open
Galerie 1

10:30 am – 12 noon

A1. Saint-Maurice

A2. Gatineau

A3. Saint-Laurent

A4. Bersimis

A5. Peribonca

CONCURRENT SESSIONS A

Online-Only Journals: Peer Review and Publication Issues.

Van Der Weyden, Baskin

Research Integrity and the Media.

Thomas, Utiger, Killin

The Enforcement of Scientific Integrity.

Friedman, Mishkin, Horton

The Changing Role of the Journal Manager in the Technological World.

Link, Scott-Lichter, Grotz

The Latest Cooperative Publishing Efforts.

Grayson, Maggiore, Kaufman

12 noon – 2 pm

Lunch on Own . . . Visit the Exhibits

2 pm – 3:30 pm

CONCURRENT SESSIONS B

B1. Saint-Maurice

New Techniques for Structuring, Searching, and Synthesizing Scientific Information: The Mega-Benefits of Micro-Knowledge.

Lang, Purcell, Lau, Goldie

B2. Saint-Laurent

Journals and Their Associations: What Constitutes the Best Relationship?

Laird, Callaham, Gidez, Huth

B3. Gatineau

International Plagiarism—Does Authorship Stop at the Border?

Rennie, Gunsalus, Wronski

B4. Bersimis

Conflicts of Interest for Articles Other Than Original Research.

Winkler, Detsky, Krinsky

B5. Peribonca

The Nature, Effects, and Ethics of Ghostwriting.

Niestadt, Bloom, Puetz, Gastel

3:30 pm – 4 pm

Coffee & Snacks in the Exhibit Hall

Galerie 1

4 pm – 5:30 pm

CONCURRENT SESSIONS C

C1. Saint-Laurent

The Migration From Print to Net: How Much to Move and What Will It Cost?

Bradford, Bolman, Boyce

C2. Saint-Maurice

The Mentor-Student Relationship in Research and Publication.

Scheetz, Moher, Huth, Marusic

C3. Gatineau

Ethical Considerations for Journal Advertising.

Flanagin, Murphy, Wills, Whippen, Stone

C4. Peribonca

Masking and Open Peer Review.

Cho, Bingham, van Rooyen

6:30 pm – 7:30 pm

Reception

Galerie 4

7:30 pm – 11:30 pm Award Ceremony and Banquet
Marquette-Jolliet

CBE 42nd Annual Meeting · Montreal

MONDAY, 24 MAY 1999

7:30 am – 5 pm <i>Mezzanine</i>	Annual Meeting Registration
8 am – 9 am <i>Galerie 1</i>	Coffee & Tea in the Exhibit Hall
8 am – 5 pm <i>Galerie 1</i>	Exhibits Open
9 am – 10 am <i>Marquette-Jolliet</i>	PLENARY I. Evidenced-Based Scientific Writing. Redish
10 am – 10:30 am <i>Galerie 1</i>	Coffee & Tea in the Exhibit Hall
10:30 am – 12 noon	CONCURRENT SESSIONS D
D1. Bersimis	Copy Editing: Pet Peeves and Bêtes Noires. Iverson, Loviglio, Mahan, Wallraff
D2. Saint-Maurice	The ABCs of Data Conversion. Willner, Wiklund, Oberteuffer
D3. Gatineau	Publishing in Developing Countries: Problems and Solutions. Gastel, Marusic, Mandel
D4. Saint-Laurent	From Science to Clinical Practice: Repositioning Journals for a Changing Environment. Phillippe, Davidoff, Collins
D5. Peribonca	Scientific Conduct and the Editorial Office. Fischer, Whippen, Hodgson, Kolar
12 noon – 1:30 pm <i>Duluth/Mackenzie</i>	Annual Report to the Membership Luncheon
1:30 pm – 2:30 pm	CONCURRENT TECHNICAL WORKSHOP PRESENTATIONS
E1. Galerie 4	Electronic Copyediting. Ditzler, Hellekson, Flavelle
E2. Galerie 2/3	Manuscript Tracking Systems. Carden, Gauthier, Fisher, Baskin, Gordon
1:30 pm – 5 pm (reconvenes from 7 pm – 9 pm) <i>Saint-Laurent</i>	AUTHORSHIP CONFERENCE Authorship in Biomedical Publication: Progress and Challenges. Davidoff
2:30 pm – 3 pm <i>Galerie 1</i>	Coffee & Snacks in the Exhibit Hall
3 pm – 5 pm	CONCURRENT TECHNICAL WORKSHOP PRESENTATIONS—HANDS-ON SESSIONS
E1. Galerie 4	Electronic Copyediting
E2. Galerie 2/3	Manuscript Tracking Systems
	Dinner on own
7 pm – 9 pm <i>Saint-Laurent</i>	AUTHORSHIP CONFERENCE CONTINUED

TUESDAY, 25 MAY 1999

7:30 am – 12 noon <i>Mezzanine</i>	Annual Meeting Registration
8 am – 9 am <i>Galerie 1</i>	Coffee & Tea in the Exhibit Hall
8 am – 12 noon <i>Galerie 1</i>	Exhibits Open
9 am – 10 am <i>Duluth/Mackenzie</i>	PLENARY II. Science Without Integrity: Lessons From Investigating Claims of the Paranormal. Nickell
10 am – 10:30 am <i>Galerie 1</i>	Coffee & Tea in the Exhibit Hall (Exhibits close at noon)
10:30 am – 12 noon	CONCURRENT SESSIONS F
F1. Gatineau	IRB and the Use of Human Subjects. Perrin, Olson, Kilgour, Hammerschmidt
F2. Saint-Laurent	Summary of the Authorship Conference.
F3. Saint-Maurice	The Migration From Print to Net: Challenges and Opportunities. Knapp, Greene, Hunter
F4. Bersimis	Strategies for Small Journals. Link, Neistadt, Potter
F5. Peribonca	Ancillary Products and Services, Emphasizing CME. Collins, Tischler
1 pm – 4 pm <i>St. Charles</i>	Board and Committee Chair Meetings
<i>Optional Tours/Events</i>	
12:30 pm – 4:30 pm	Windows on the Canadian Space Agency
1 pm – 4 pm	Walking Tour of Old Montreal

Mark Your Calendar!

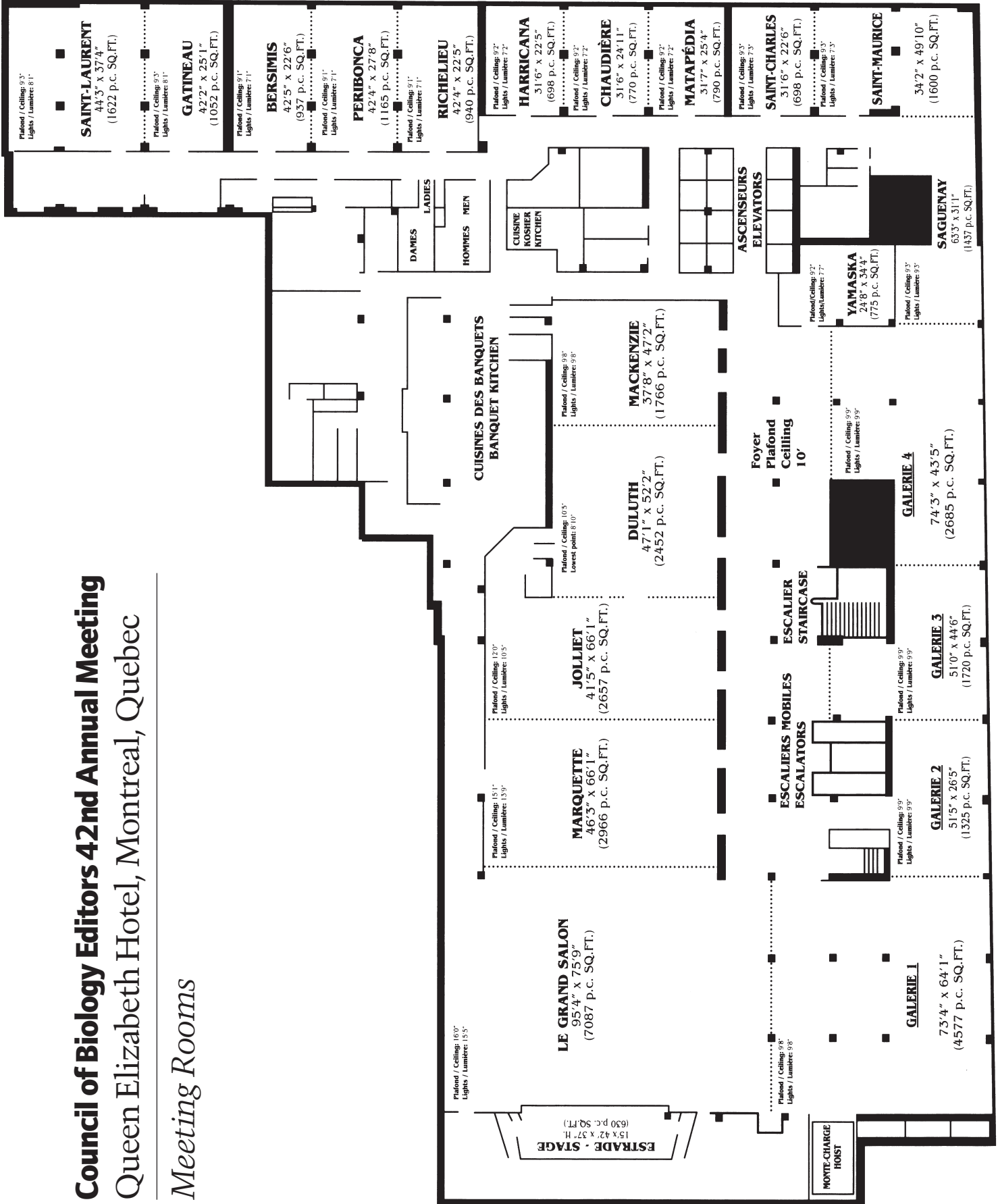
The Council of Biology Editors
proudly announces
the CBE 2000 Annual Meeting
5–9 May 2000
Adams Mark Hotel
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Council of Biology Editors 42nd Annual Meeting

Queen Elizabeth Hotel, Montreal, Quebec

Meeting Rooms

Rue Mansfield Street



Boulevard René-Lévesque Ouest, West

FRIDAY, 21 MAY 1999

7:30 am – 5:30 pm

Annual Meeting Registration (Mezzanine)

8 am – 5 pm

Short Course for Journal Editors, Part I (Peribonca)

8:30 am – 4:30 pm

Board Meeting (St. Charles)**SATURDAY, 22 MAY 1999**

7:30 am – 6 pm

Annual Meeting Registration (Mezzanine)

8 am – 5 pm

Short Course for Managing Editors (Saint-Laurent)

8:30 am – 3:15 pm

Short Course for Journal Editors, Part II (Peribonca)

8:45 am – 4:30 pm

Short Course for Manuscript Editors (Saint-Maurice)

1 pm – 4 pm

Committee Meetings (3rd floor)*Optional Tours/Events*

All tour buses will depart from the side (Mansfield) entrance of the hotel.

9 am – 4 pm

Scenic Montreal Guided Bus Tour, with lunch

PRICE: \$55/person (30-person minimum)

Board a motor coach to visit Montreal's Olympic Park, site of the 1976 Summer Olympics. There you can ride to the top of the inclined tower in a cable car and visit the other sites in the park: the Biodome, where 4 living ecosystems have been recreated under 1 roof and you are free to walk amidst the flora and fauna; the Botanical Gardens, considered second in importance worldwide, with over 21,000 species and varieties of plants from around the world; or, if that sounds too peaceful and you want to find out more about what's bugging you, the Insectarium, with several thousand insects from all over the world. After lunch, the coach will take you to view the beautiful city of Montreal from the mountain it was named for, Mount Royal, and visit the famous and stunning St Joseph's Oratory, where miracles are said to occur.

1:30 pm – 4:30 pm

Walking Tour of Old Montreal

PRICE: \$20/person (25-person minimum)

Montreal was founded in 1642, and this tour will walk you through the oldest preserved part of the city, on the shore of the St Lawrence River. You will visit the Bonsecours Chapel, built in 1657; Place Jacques-Cartier; and the Notre-Dame Basilica. There will be time at the end of the tour to linger and visit the many quaint shops, museums, and bistros in that area.

5:30 pm – 6:30 pm

Newcomers Reception, with welcoming remarks by Patricia Huston, MD, CBE President (Galerie 4)

6:30 pm – 8:30 pm

Welcome Reception, with cash bar and light hors d'oeuvres (Duluth/Mackenzie)**SUNDAY, 23 MAY 1999**

7:30 am – 5 pm

Annual Meeting Registration (Mezzanine)

8 am – 8:45 am

Networking Breakfast: Chat with those who share your interests (Marquette/Jolliet)

I. Journal Editors in Basic and Applied Biology

II. Medical Journal Editors

III. Managing Editors

IV. Manuscript Editors

V. Publishers and Printers

8:45 am – 9 am

Welcome and Opening Remarks (Marquette/Jolliet)*Margaret Reich, 1999 CBE Program Committee Chair**Patricia Huston, MD, CBE President*

9 am – 10 am

KEYNOTE ADDRESS. Undue Influence: When Private Interests and Public Science Collide. (Marquette/Jolliet) *Miriam Shuchman, MD, FRCPC, Assistant Professor of Psychiatry, State University of New York at Buffalo and a CBC radio reporter and former medical commentator for National Public Radio*

Partnerships between private companies and academic scientists seem like the perfect answer to dwindling public funds for biomedical research. Yet these relationships sometimes have unforeseen, disturbing consequences. This presentation considers the serious difficulties faced by scientists in the United States and Canada whose findings have met with disapproval from private interests. Outside parties such as universities will have to be more vocal if scientists are to be protected against such difficulties in the future.

10 am – 10:30 am

Coffee & Tea in the Exhibit Hall (Galerie 1)

10 am – 5 pm

Exhibits Open (Galerie 1)

10:30 am – 12 noon

A CONCURRENT SESSIONS A

A1. Online-Only Journals: Peer Review and Publication Issues. (Saint-Maurice) *Martin Van Der Weyden, MD (Chair), Editor, Medical Journal of Australia; Patricia Baskin, MS, Managing Editor, GeneClinics: Medical Genetics Knowledge Base, University of Washington*

Online-only publication affects critical issues such as peer review, lead times to publication, submission, editing, and inclusion of figures and tables. Such publications also raise important questions: Is there a need for a print version of the journal for archival purposes? What is the archival version if reviews and corrections are implemented online? How do librarians and indexers view these problems?

A2. Research Integrity and the Media. (Gatineau) *Anne Thomas (Chair), Associate Director of Communications, NIH; Robert D. Utiger, MD, Deputy Editor, NEJM; Jack Killin, MD, Director, Division of the NIH AIDS Research Program*

Disseminating scientific information to the public, whether published or verbally reported, requires an important balance of timing, accuracy, and clarity. Researchers have more control over how information is reported in the literature compared with controlling how the media reports the latest findings. Sometimes scientific discoveries are reported incorrectly, and other times a scientist is not clear when presenting the findings. Our speakers will share their perspectives on how research integrity should be maintained while talking to the press.

A3. The Enforcement of Scientific Integrity. (Saint-Laurent) *Paul Friedman, MD (Chair), UCSD School of Medicine; Barbara Mishkin, JD, Hogan & Hartson, LLP; Richard Horton, MD, Editor, Lancet*

Research institutions, scientists, professional societies, journal editors, granting authorities, and the media are the primary stakeholders for enforcing scientific integrity, yet enforcing research integrity is not easy to define, let alone attain. Because these groups have varying constituents, they naturally represent varying concerns. The panelists for this session will share their perspectives and experiences in how scientific integrity has been "enforced" in their respective domains, what problems have occurred, and how "enforcement" could be improved.

A4. The Changing Role of the Journal Manager in the Technological World. (Bersimis) *Ann Link (Chair), Journal of Immunology; Diane Scott-Lichter, Consultant, and Kathy Grotz, Publications Administrator, Carden Jennings Publishing*

The Internet and other technological advances are transforming journal operations; thus, journal managers will need to acquire new skills. This session will focus on the technological changes shaping the industry and how they affect the role of the professional. The session will also touch on career opportunities that are developing from these changes.

A5. The Latest Cooperative Publishing Efforts. (Peribonca) *Timothy Grayson (Chair), Executive Publisher, Lippincott Williams & Wilkins; Anne Maggiore, Executive Director, International Anesthesia Research; Cara Kaufman, Publisher, American Heart Association, Lippincott Williams & Wilkins*

Technology can create the strangest bedfellows. What happened when the anesthesia journals got together and published an inclusive CD-ROM? And when the major cardiology journals did the same? The publishers of these products and the Executive Director of one of the societies involved will describe the process and share their experiences. Cross-journal linking, another cooperative effort, will be discussed.

12 noon – 2 pm

Lunch on Own . . . Visit the Exhibits

B 2 pm – 3:30 pm
CONCURRENT SESSIONS B

B1. New Techniques for Structuring, Searching, and Synthesizing Scientific Information: The Mega-Benefits of Micro-Knowledge. (Saint-Maurice) *Tom Lang (Chair); Gretchen Purcell, MD, Annals of Internal Medicine; Joseph Lau, MD, New England Medical Center; Peter Goldie, PhD, LightBinders, Inc*

If codes used in formatting manuscripts are systematically assigned to the multitude of specific units of meaning within a manuscript, information can be retrieved and combined at several levels of detail and complexity. Purcell will describe the Context-Based Markup Project in which the elements of a research project (such as eligibility criteria or clinical findings) are coded so that a key word search can be conducted in the appropriate context. Lau will present his Real-Time Meta-analysis System, in which specific data from articles, such as study design or event rates, are extracted and stored in a database that can be queried to determine how many and what type of studies are available for analysis on the topic and then have the results from each article automatically synthesized in a meta-analysis or included in a decision analysis that can be updated immediately as new studies become available. Goldie will talk about new initiatives to electronically tag information, including medical records, a feature that would greatly facilitate institutional and medical research, and describe his proposal that CBE create a "structure manual" to systematize the type of data to be coded and how it is to be coded.

B2. Journals and Their Associations: What Constitutes the Best Relationship? (Saint-Laurent) *Allison Laird (Chair), Managing Editor, British Journal of Obstetrics and Gynaecology; Michael L. Callahan, MD, Deputy Editor, Annals of Emergency Medicine; Lewis I. Gidez, PhD, Executive Editor, Journal of Lipid Research; Edward J. Huth, MD, ELS(D), Editor Emeritus, Annals of Internal Medicine*

Those involved with journals affiliated with associations (large and small) are often asked "Who runs your journal?" or "Who controls your journal?" This session will examine the often uneasy relationship between those whose work is to edit and produce a journal and those who own it. What are the pros and cons of various organizational setups? Who determines editorial policy and editorial content? For whose benefit does a scientific journal exist? Who determines the financial management structure? Who coordinates the day-to-day management of staff and equipment?

B3. International Plagiarism—Does Authorship Stop at the Border? (Gatineau) *Drummond Rennie, MD (Chair), Deputy Editor (West), JAMA; Tina Gunsalus, JD, Vice-Provost of University of Illinois at Urbana-Champaign; Marek Wronski, MD, PhD, Director, Neuro-Oncology Research, Staten Island University Hospital*

Why does international plagiarism occur? How widespread is the problem? What can be done to prevent it? Authors from various backgrounds discuss and debate their experiences and insights.

B4. Conflicts of Interest for Articles Other Than Original Research. (Bersimis) *Margaret A. Winkler, MD (Chair), Deputy Editor, JAMA; Alan Detsky, MD, PhD, Professor, University of Toronto; Sheldon Krinsky, PhD, Professor, Tufts University*

Should conflicts of interest preclude authorship of some types of articles, such as reviews or editorials? What should authors, editors, and readers know about conflicts of interest? Researchers in conflict of interest will present their work and discuss actual case vignettes in an interactive format with the audience.

B5. The Nature, Effects, and Ethics of Ghostwriting. (Peribonca) *Leslie Niestadt, ELS (Chair), Managing Editor, Journal of Athletic Training; Miriam Bloom, PhD, ELS(D), President, SciWrite Biomedical Editing Services; Belinda Puetz, PhD, RN, Editor in Chief, Journal for Nurses in Staff Development; Barbara Gastel, MD, Editor, CBE Views*

Many biomedical communicators ghostwrite, but do we truly understand what ghostwriting is (and isn't) and what its effects are on the dissemination of scientific information? What must we, as medical editors, know about the ethics of ghostwriting? Join us for a discussion of the pros and cons of this sometimes controversial practice, and learn what questions to ask before you undertake or hire someone else to undertake a ghostwriting assignment.

3:30 pm – 4 pm

Coffee & Snacks in the Exhibit Hall (Galerie 1)

C 4 pm – 5:30 pm
CONCURRENT SESSIONS C

C1. The Migration From Print to Net: How Much to Move and What Will It Cost? (Saint-Laurent) *Monica M. Bradford (Chair), Managing Editor, AAAS – Science; Dr Pieter S. H. Bolman, President, Academic Press; Peter B. Boyce, PhD, American Astronomical Society*

Many of the big journals and publishing houses are now experts in Web publishing. We want to get advice from three of the "big-hitters" that have already made the move and now

can reflect on what they did right and what they did wrong. What would they have done differently, both at the content level and the cost level? A discussion of cost will be an important part of the session, for many smaller journals want to make the jump, but are hesitant to because they do not know what they are getting themselves into financially.

C2. The Mentor-Student Relationship in Research and Publication. (Saint-Maurice) *Mary D. Scheetz, PhD (Chair), Office of Research Integrity, Division of Policy & Education; David Moher, Director, Thomas C. Chalmers Centre for Systematic Review, Children's Hospital of Eastern Ontario Research Institute; Ed Huth, MD, ELS(D), Editor Emeritus, Annals of Internal Medicine; Ana Marusic, MD, PhD, Editor-in-Chief, Croatian Medical Journal*

What is the role of researchers and journal editors in mentoring and educating students about the process of research and publication? This panel of experts will explore the relationship between mentor and student, including the journal editor's role in teaching new authors how to present their data and write a sound manuscript. Difficult questions such as ownership of data after the student leaves a mentor's lab or department will be addressed by the panel.

C3. Ethical Considerations for Journal Advertising. (Gatineau) *Annette Flanagan (Chair), Director, JAMA Programs and International Activities; Peter Murphy, Publisher, JAMA and American Medical News; Alma Wills, Executive Vice President, Lippincott Williams & Wilkins; Deborah Whippen, Managing Editor, Journal of Clinical Oncology, and Director, Publications, American Society of Clinical Oncology; Phyllis Stone, Director, Promotion Planning, Marketing and Medical Communications, Merck & Co Inc*

Two publishers, a managing editor, a director of pharmaceutical marketing, and an editor will discuss several ethical dilemmas in medical journal advertising (concepts and discussion will also apply to nonmedical journals). Topics covered will include guidelines for acceptable advertisements; solicitation of advertisements (including policies on disclosing editorial content to advertisers to lure more ads); advertising-editorial topical adjacency; sponsored supplements; online advertising; and whether ads are beneficial to readers.

C4. Masking and Open Peer Review. (Peribonca) *Mildred Cho, PhD (Chair), Stanford Center for Biomedical Ethics; Craig Bingham, Communications Development Manager, Medical Journal of Australia; Susan van Rooyen, BMJ*

The panel will present results of studies of innovations to improve the quality of peer review, including data on the effect of masking on the quality of reviews from both authors' and editors' points of view. An ongoing study of an open Internet review system will also be shared.

6:30 pm – 7:30 pm
Reception (Galerie 4)

7:30 pm – 11:30 pm
Award Ceremony and Banquet (Marquette-Jolliet)

CBE Award for Meritorious Achievement
Floyd E. Bloom and the journal *Science*

CBE Distinguished Service Award
Lee Miller
Lois Ann Colaianni
Grace Darling

MONDAY, 24 MAY 1999

7:30 am – 5 pm

Annual Meeting Registration (Mezzanine)

8 am – 9 am

Coffee & Tea in the Exhibit Hall (Galerie 1)

8 am – 5 pm

Exhibits Open (Galerie 1)

9 am – 10 am

PLENARY I. Evidenced-Based Scientific Writing. (Marquette-Jolliet) *Janice (Ginny) Redish, PhD, President, Redish & Associates, Inc. In the late 1970s, she established the Document Design Center within the American Institutes for Research to study the problems that people have with workplace documents and to develop guidelines for preparing better documents. Throughout the 1980s, the Center also published Simply Stated, a monthly newsletter about clear writing. Redish is coauthor of several books and articles, including the entry on document/information design for the new multivolume Encyclopedia of Electrical and Electronic Engineering. In 1995, the Professional Society of Computer Documentation Specialists awarded her its prestigious Rigo Award for significant contributions to the profession. A Fellow of the Society for Technical Communication, she is a graduate of Bryn Mawr College and Harvard University, where she received a PhD in linguistics.*

How much of scientific writing is art and how much is science? What is the research basis of successful written communication and how can that research improve our ability to communicate scientific and technical information? Redish will address these questions by describing the nature and applications of research on technical communication. Drawing on both research and her own background in preparing, testing, and revising documents in many technical domains, Redish will discuss ways to evaluate and improve the effectiveness of written communication in general and scientific communication in particular. She will make the case that evidence-based scientific writing is important to the integrity of science because it can improve the quality of scientific communication.

10 am – 10:30 am

Coffee & Tea in the Exhibit Hall (Galerie 1)

D 10:30 am – 12 noon
CONCURRENT SESSIONS D

D1. Copy Editing: Pet Peeves and Bêtes Noires. (Bersimis) *Cheryl Iverson (Chair), Director, Editorial Processing Division, AMA Scientific Journals & Chair of AMA Manual of Style, 9th ed Committee; Lorraine Loviglio, Retired Manager of Manuscript Editing, NEJM, and author of "Word Watcher" in CBE Views; Margaret Mahan, Retired Managing Editor, University of Chicago Press, and at work on the 15th edition of the Chicago Manual of Style; Barbara Wallraff, Senior Editor at Atlantic Monthly and author of Atlantic Monthly's column "Word Court"*

Interest in and concern for language manifests itself in different ways. Experts do not always agree. Discover the pet peeves of 3 word mavens—as well as those who write to them—and share your own.

D2. The ABCs of Data Conversion. (Saint-Maurice) *Eli Willner (Chair), Director of Technology, Data Conversion Laboratory; Richard A. Wiklund, Jr, Vice President, Digital Sales, Cadmus*

Journal Services; Robert Kendall Oberteuffer, Technical Lead, Senior Systems Engineer, Critical Care Information Systems, Johns Hopkins Medicine Center for Information Services

This team of experts will tell us everything we always wanted to know about data conversion, but were afraid to ask. Topics to be covered include: why is data conversion necessary, what does it cost, what do all those letters mean (SGML, HTML, JPEG, XML, etc), which tools work best, and where are we headed in the future? We will leave the session both wiser and happier.

D3. Publishing in Developing Countries: Problems and Solutions. (Gatineau) *Barbara Gastel, MD (Chair), Associate Professor of Journalism and of Humanities in Medicine, Texas A&M University; Ana Marusic, MD, PhD, Editor-in-Chief, Croatian Medical Journal; Jeffrey S. Mandel, Co-Director, International Program, UCSF Center for AIDS Prevention Studies*

What educational programs exist to improve biomedical publications in developing countries and what role can journals take in this effort? Gastel will describe a program designed to help biomedical researchers in China increase their ability to publish in international journals. This program works with prospective authors as well as with authors' editors in China. Mandel will describe a training program that stresses publication of AIDS prevention research conducted by scientists from developing countries. Marusic represents the perspective of the editor of a journal from a small country that publishes in English. She will consider why publication is important, why it is in English, and the problems of maintaining and improving quality that she faces as editor of such a journal, including indexing and the vicious circle of scientific periphery.

D4. From Science to Clinical Practice: Repositioning Journals for a Changing Environment. (Saint-Laurent) *C. Michael Phillippe (Chair), The Mack Printing Group; Frank Davidoff, MD, Editor, Annals of Internal Medicine; Nancy Collins, President, Green Branch Publishing*

Editors are increasingly being forced to deal with the bench vs bedside debate. As funding for research shifts from clinical to basic research, so shifts the focus of manuscripts. Editors must decide whether to change their allocation of journal pages or consider spinning off a new journal. The audience will be asked to discuss the pros and cons of both approaches.

D5. Scientific Conduct and the Editorial Office. (Peribonca) *Beth A. Fischer, MEd (Chair), Co-Director, Survival Skills and Ethics Program, and Instructor in Education, University of Pittsburgh; Deborah A. Whippen, Managing Editor and Director, Publications, American Society of Clinical Oncology; Patricia K. Hodgson, Director of Communications, Duke Clinical Research Institute, Managing Editor, American Heart Journal; Dana St. John Kolar, Managing Editor, Circulation: Journal of the American Heart Association*

A panel of managing editors from the basic and medical sciences will be presented with real and hypothetical cases involving potential misconduct on the part of authors, reviewers, or editors. In each instance, they will be asked to discuss practical strategies for approaching such problems, providing insights from their own experiences. Issues to be covered include what constitutes misconduct from the vantage point of a journal, when and how journal editors can take action, and the extent to which journal policies can be enforced and sanctions levied. Members of the audience will be invited to participate in the discussion.

12 noon – 1:30 pm

Annual Report to the Membership Luncheon (Duluth/Mackenzie)

E 1:30 pm – 2:30 pm

CONCURRENT TECHNICAL WORKSHOP PRESENTATIONS

E1. Electronic Copyediting. (Galerie 4) *Maryalice Ditzler, Cadmus Journal Services; Karen Hellekson, PhD, ELS, Allen Press; Fran Flavelle, Canadian Journal of Physics, NRC Research Press*

Copyediting online requires learning a completely different set of strategies than those used when editing on paper. The benefits of online editing are obvious: search-and-replace features ease repetitive edits; spell-checking can be used; and the electronic file can be typeset. The presenters of this workshop will discuss strategies for editing online successfully, including time management tips, smart use of search-and-replace features, and the benefits and limitations of software.

E2. Manuscript Tracking Systems. (Galerie 2/3) *William T. Carden, Jr., President, Carden Jennings Publishing Co., Ltd.; Larry Gauthier, Editorial Assistant; Julian Fisher, MD, PaperPath and PaperWeb; Patty Baskin, Managing Editor, GeneClinics; Barbara Gordon, Assistant to the Editor, Journal of Biological Chemistry*

This panel of presenters, who have designed either commercial or home-grown manuscript tracking systems, will provide nuts-and-bolts information to help you become a knowledgeable purchaser of your own system. They will outline what efficiencies should be gained from a system and how it should save your editor work through automated reviewer selection. They will demystify hardware and software choices, detail what is needed for on-line peer review, and discuss the pros and cons of building your own system.

1:30 pm – 5 pm (reconvenes from 7 pm – 9 pm)

AUTHORSHIP CONFERENCE (Saint-Laurent)

Authorship in Biomedical Publication: Progress and Challenges. *Frank Davidoff (Chair), Editor, Annals of Internal Medicine*

Organized by CBE's Task Force on Authorship and cosponsored by the Department of Health and Human Services Office of Research Integrity, this retreat on authorship issues will include presentations and discussion of the problems of authorship in biomedicine. The results of several research projects under way at journals now experimenting with proposed solutions to the problems of authorship, including contributorship schemes, will be presented. A white paper that summarizes the history and development of the problem will be circulated in advance for discussion at the retreat. Representatives of other editorial, academic, professional, and disciplinary organizations have been invited to give their perspectives on the issues.

2:30 pm – 3 pm

Coffee & Snacks in the Exhibit Hall (Galerie 1)

3 pm – 5 pm

CONCURRENT TECHNICAL WORKSHOP PRESENTATIONS—HANDS-ON SESSIONS

E1. Electronic Copyediting. (Galerie 4)

Here's your chance to step into the shoes of the workshop presenters and sample, touch, and ask all that you ever wanted on copyediting and the various applications that were discussed in the first part of this session. This is your opportunity to take these various applications for a test drive!

E2. Manuscript Tracking Systems. (Galerie 2/3)

Now you will be able to work with each presenter's system and speak with them one-on-one, in a casual, free-flowing atmosphere.

Dinner on own

7 pm – 9 pm

AUTHORSHIP CONFERENCE CONTINUED (Saint-Laurent)**TUESDAY, 25 MAY 1999**

7:30 am – 12 noon

Annual Meeting Registration (Mezzanine)

8 am – 9 am

Coffee & Tea in the Exhibit Hall (Galerie 1)

8 am – 12 noon

Exhibits Open (Galerie 1)

9 am – 10 am

PLENARY II. Science Without Integrity: Lessons From Investigating Claims of the Paranormal. (Duluth/Mackenzie) *Joe Nickell, PhD, Senior Research Fellow of the Committee for the Scientific Investigation of Claims of the Paranormal (CSICOP), is highly regarded as an investigator of paranormal and pseudoscientific claims. He is also an expert on various types of forensic evidence, including photo authenticity, forgery, and personal identification. He has written several books, including Inquest on the Shroud of Turin; Psychic Sleuths, Secrets of the Supernatural; and Looking for a Miracle: Weeping Icons, Relics, Stigmata, Visions, and Healing Cures.*

One way to appreciate the value of integrity in science is to look at the consequences of doing without it. Nickell, former private detective, stage magician, and technical writer, will describe how and why nonscientific explanations are proposed and accepted. As one of the foremost investigators in the country of miracles, psychic phenomena, pseudoscience, and extraterrestrial beings, Nickell will demonstrate how easily even highly educated audiences can be deceived and explain why scientists may not be the best people to investigate pseudoscientific claims.

10 am – 10:30 am

Coffee & Tea in the Exhibit Hall (Galerie 1)
(Exhibits close at noon)**F** 10:30 am – 12 noon
CONCURRENT SESSIONS F

F1. IRB and the Use of Human Subjects. (Gatineau) *David H. Perrin, PhD, ATC (Chair), Editor in Chief, Journal of Athletic Training; Carin M. Olson, MD, Division of Emergency Medicine, University of Washington and JAMA; Robert D. Kilgour, PhD, Department of Exercise Science, Concordia University, and Chair of the Institutional Review Board, Phoenix International Life Sciences, Inc.; Dale E. Hammer-schmidt, MD, Editor-in-Chief, Journal of Laboratory and Clinical Medicine*

This session will address the difficult issues journal editors may encounter related to institutional review board (IRB) approval for the use of human subjects in research, as well as editor options for non-IRB-approved journal submissions and research that does not meet standards for human subjects research, but that was approved by an IRB. Eligibility for exempted research in the context of IRB review and procedures for journal submission will be included in the discussion.

F2. Summary of the Authorship Conference. (Saint-Laurent) *Patricia Huston, MD*

For those who could not attend the Authorship Conference on Monday, hear a brief summary of the discussion and results.

F3. The Migration From Print to Net: Challenges and Opportunities. (Saint-Maurice) *Susan Knapp (Chair), Director of Publications, American Psychological Association; Peter Greene, Associate Professor of Surgery, The Johns Hopkins Hospital, Editor, Cardiothoracic Surgery Network; Karen Hunter, Senior Vice President, Elsevier Science, Inc.*

These brave panel members will tackle the good, the bad, and the ugly aspects facing all of us as we contemplate publishing on the Internet. Under "Challenges" the panel will tell us about the thorny issues related to archiving, indexing, library and copyright issues. Under "Opportunities" they will give us advice on how best to utilize those features unique to Net publishing: rapid information dissemination, unlimited space, and the use of voice and motion media.

F4. Strategies for Small Journals. (Bersimis) *Ann Link (Chair), Journal of Immunology; Leslie Neistadt, ELS, Managing Editor, Journal of Athletic Training; Poly Potter, MA, ELS, Managing Editor, Emerging Infectious Diseases*

This session specifically addresses issues related to running a small office that receives under 900 manuscripts per year. Topics unique to a smaller journal, including staffing (or simply covering for vacations), interacting with the editor, tracking manuscripts, and reporting, provide a great opportunity to share ideas.

F5. Ancillary Products and Services, Emphasizing CME. (Peribonca) *Nancy Collins (Chair), President, Green Branch Publishing; Richard F. Tischler, Jr., PhD, President, RF Tischler Jr. & Associates, Inc.*

Your subscribers trust the editorial content of your publications and they are eager to acquire additional products and services that extend beyond the traditional journal format. CME sections, special reports, directories, supplements, conferences, collected reprints, audiotapes, and electronic formats can all be developed as ancillary products to your established journal. In this practical session, we'll review how ancillary product development can enhance and expand your core publishing business. Overview of ancillary product possibilities will cover print and electronic formats, CME possibilities, and an emphasis on editorial planning, resource allocation, market research, implementation, and marketing.

1 pm – 4 pm

Board and Committee Chair Meetings (St. Charles)**Optional Tours/Events**

All tours depart from the side (Mansfield) entrance of the hotel.

12:30 pm – 4:30 pm

Windows on the Canadian Space Agency

PRICE: \$25/person, lunch included (25-person minimum)

After lunch at the Space Agency, a special tour has been planned just for CBE Annual Meeting attendees. You will find out about the Agency's SSRMS model and RADARSAT; astronaut selection, training, and food; and Canada's contribution to the International Space Station. Then go behind the scenes to visit the laboratories, Space Operations Support Centre, and the MSS Operations and Training Simulator.

1 pm – 4 pm

Walking Tour of Old Montreal

PRICE: \$20/person (25-person minimum)

For description, see page 7.

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