COUNCIL OF BIOLOGY EDITORS

Frontiers in Publishing: A Landscape of Questions

PRELIMINARY PROGRAM

41st Annual Meeting May 2–5, 1998 DoubleTree Hotel Salt Lake City Utah USA



An Invitation to Explore a New Frontier . . .

Dear Friends:

This year, the Council of Biology Editors will meet in Salt Lake City, Utah, 2-5 May. The Annual Meeting officially starts on Saturday evening with a welcome reception, integrated with poster presentations and the opening of exhibits. With refreshments at hand, you can visit the poster presentations of your colleagues and check out new products and services in the exhibits area. Other new features this year include dancing after the Awards Ceremony and an Employment Clearinghouse.

On Sunday morning the keynote speaker, Dudley R. Herschbach, Nobel Laureate in Chemistry and Baird Professor of Science at Harvard University, will challenge our notions about language and communication. Exploration of this theme will continue in plenary talks each day of the meeting. On Monday, P. Michael Conn, Associate Director and Senior Scientist at the Oregon Regional Primate Research Center and President of STAR Park, Inc, will address issues concerning the public understanding of science and science education. On Tuesday, Ira Flatow, President of ScienCentral, Inc, and a producer of science programs for National Public Radio, will discuss the challenges of getting television coverage of science news.

During the rest of the 2.5-day meeting you may select among educational sessions and workshops that address the Why? When? and How? of scientific and medical publishing. These sessions cover legal and ethical issues, new technologies, editorial concerns, and management and marketing topics. The traditional roundtable breakfasts provide another opportunity for discussion relating to professional roles.

Our meeting hotel, the DoubleTree, is in downtown Salt Lake City, just seven miles from the airport. Two restaurants and a lounge provide in-house dining and entertainment options. There's plenty to see and do within a short distance of the hotel, and some of America's most scenic National Parks are within a few hours' drive. This year, CBE is offering four organized excursions. On Saturday, 2 May, select 1) the Park City and Sundance Tour, or 2) the Museum of Natural History and Fine Arts Museum Tour. On Tuesday, 5 May, you may tour the Red Butte Arboretum and Tracy Aviary or Ovid Technologies' online journal facilities.

Please join us as we explore the new frontiers in the changing world of publishing. Network with and enjoy the company of new and old friends in beautiful Salt Lake City. Don't miss the wagon train to Utah—register for the 1998 CBE Annual Meeting *now*.

Barbara Meyers, President, CBE Diane Scott-Lichter, Chair, 1998 CBE Program Committee

What is the Council of Biology Editors?

The Council of Biology Editors was established in 1957 by 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.

Who Should Attend?

Editors-in-Chief, Associate and Senior Editors, Managing Editors, Manuscript Editors, Production Managers, Publishers, Printers, Librarians and Information Specialists, Authors, Researchers, and Scholars

1998 Program Committee

Diane Scott-Lichter, *Cancer* [Chair] Judith Jansen, *Biology of Reproduction* [Vice Chair] David Bruns, MD, *Clinical Chemistry* Thomas Ferguson, MD, *The Annals of Thoracic Surgery* Karen Potvin Klein, Bowman Gray School of Medicine Margaret Levene, *Annals of Emergency Medicine* Robert M. Quencer, MD, *American Journal of Neuroradiology* Michael C. Phillippe, The Mack Printing Group Alexander D. Politis, PhD, *The Journal of Immunology* Gary Michael Smith, Chatgris Press Ana Arias Terry, NetPubs International

Consulting Members

M. Faith McLellan, PhD, University of Texas Medical Branch Johanna Reinhart, American Society of Civil Engineers

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Hotel Information

CBE's 41st Annual Meeting will be held at:

The DoubleTree Hotel 255 South West Temple Salt Lake City, Utah 84101 801-328-2000

For details about hotel accommodations and travel information, see page 8.

Questions

For questions regarding the program or registration, contact Denise Baran or Andrea Blood at CBE Headquarters: phone 847-480-9080; fax 847-480-9282; e-mail, cbehdqts@aol.com

FRIDAY, 1 MAY

8:00 AM – 5:00 PM Short Course for Journal Editors, Part I

1:00 PM – 5:00 PM Workshop on Writing the Scientific Paper, Part I

SATURDAY, 2 May

8:00 AM - 5:00 PM Short Course for Managing Editors Short Course for Manuscript Editors

8:30 AM - 3:15 PM Short Course for Journal Editors, Part II

9:00 AM – 12 Noon Workshop on Writing the Scientific Paper, Part II Committee Meetings

12:30 AM –6:00 PM Annual Meeting Registration

1:00 PM - 4:00 PM Committee Meetings

OPTIONAL TOURS/EVENTS

9:00 AM – 4:00 PM Park City/Sundance: "Alps of Utah" Motor Coach Tour, with Lunch at The Homestead Resort Price: \$70/person (15-person minimum)

This motor coach tour will take you through the beautiful Rocky Mountains to Park City, a former silver mining boomtown that has become Utah's most famous resort town. Park City is a mecca for skiers; it boasts three separate ski areas, including Utah's newest and America's most prestigious resort, Deer Valley. You will have time to explore the many unique shops in Park City's historic Main Street district. Reboard the motor coach and continue on through the charming Swiss Village of Midway, located in the heart of the "Alps of Utah." You will visit The Homestead, named one of the "Great Inns of the Rockies" by AAA, and there enjoy a delicious lunch in one of America's classic country resorts. In the afternoon, you will continue down breathtaking Provo Canyon to Robert Redford's Sundance resort, Timpanogos, where much of the movie Jeremiah Johnson was filmed. At Bridal Veil Falls, the motor coach will make a picture stop before returning to Salt Lake City.

1:00 PM – 5:00 PM Museum of Natural History a

Museum of Natural History and Fine Arts Museum Price: \$32 per person (30-person minimum)

Your tour begins at the University of Utah, where you will visit two of Utah's finest museums. First, visit the marvelous Museum of Fine Arts, with its permanent collection of paintings and art objects illustrating works of art covering 4,000 years of human creativity. Then, a short walk will take you to the Utah Museum of Natural History. To see Utah for what it is, you need to appreciate it for what it was. On this journey through time, you will make your way through Utah's geological beginnings, and then quietly step through the Mesozoic Era when dinosaurs ruled the landscape. SUNDAY, 3 MAY 1998

5:30 PM – 6:30 PM New Members Reception/Exhibits Open

The CBE Board and committee chairs will host a welcome reception for new CBE members at the hotel.

6:30 PM - 8:30 PM

Welcome Reception/Exhibits Open/Poster Session Cash bar and light hors d'oeuvres.

SUNDAY, 3 May

7:30 AM – 5:00 PM Annual Meeting Registration

8:00 AM – 8:45 AM Morning Coffee & Tea in the Exhibit Hall

8:00 AM – 5:00 PM Exhibits Open

8:45 AM - 9:00 AM

Welcome and Opening Remarks: Diane Scott-Lichter, 1998 CBE Program Chair; Barbara Meyers, CBE President

9:00 AM - 10:00 AM

Keynote Address: The Dolphin Oracle *Dudley R. Herschbach, PhD, Nobel Laureate and Baird Professor of Science, Harvard University, Cambridge, Massachusetts*

Humankind has always admired dolphins. Whereas the earliest version of us appeared only some three million years ago, dolphins resembling those we know today appeared 15 million years ago. The first part of this talk describes recent efforts by scientists to evaluate dolphin intelligence, chiefly dealing with largely unsuccessful efforts to decipher their language. Also examined are the somewhat more successful efforts of dolphins to learn ours. The second part of the talk revisits some ancient fables and a modern allegory fashioned by the distinguished physicist Leo Szilard about 40 years ago, which he called "The Voice of the Dolphins." Both living dolphins and their allegorical incarnations offer lessons pertinent to efforts to enhance public understanding of science.

10:00 AM – 10:30 AM Coffee & Tea in the Exhibit Hall

10:30 AM – 12:00 Noon CONCURRENT SESSIONS A (select 1)

A1. E-Journals: How should they be priced? Jill Day [Chair], Publisher, Williams & Wilkins, Baltimore, Maryland; Robert F. Kidd, PhD, Senior Director, Publishing, Ovid Technologies, Inc, New York, New York; John Sack, Associate Publisher and Director, HighWire Press, Stanford, California

The panel will discuss a number of different business models for offering periodicals on-line, and evaluate the pluses and minuses of each, using concrete examples of successful and not so successful endeavors.

A2. Science . . . who is driving and where are we going? Richard K. Koehn, PhD [Chair], Vice President for Research, University of Utah, Salt Lake City, Utah; Jeff Botkin, MD, MPH, Professor of Pediatrics, University of Utah, Salt Lake City, Utah;Steve Jacobsen, PhD, Director, Center for Engineering Design, University of Utah, and CEO, Sarcos, Inc, Salt Lake City, Utah; Mark Skolnick, PhD, Executive Vice President and Chief Scientific Officer, Myriad Genetics, Inc, Salt Lake City, Utah The panelists will identify and discuss the multiple factors that drive or limit the direction of scientific research. These factors include the following: scientific discovery, per se, or how what we know influences the selection of particular research problems; in medical research, the tension between the need to pursue specific research issues and privacy of medical information, especially in publishing research results; the influence of the commercial opportunities that accrue to research scientists from technological innovation; and technology, per se, or how available methodologies determine the research problems we address.

A3. What works with instructions, forms, and checklists? *Gary Michael Smith [Chair], Publisher, Chatgris Press, New Orleans, Louisiana; Camilla Davies, Managing Editor,* Annals of Vascular Surgery, International Journal of Vascular Surgery, *Harper Hospital, Detroit, Michigan*

One of the most crucial elements of editorial office management, and for the most efficient and expeditious handling of submissions, is the development and implementation of usable submission guidelines, standard forms and form letters, and checklists (often used for mandating adherence to instructions to authors). Editors-in-chief, managing editors, and all other staff responsible for procedure development and author/reviewer correspondence will find this session helpful in establishing criteria for the new editorial office as well as for modifying existing requirements and other paperwork. Each speaker will display materials used in their environment and discuss options and alternatives with attendees.

A4. Electronic copy editing: What works? *William Kasdorf* [Chair], President, Impressions Book and Journal Services, Madison, Wisconsin; Maryalice Ditzler, Director, EdiTech Services, Cadmus Journal Services, Linthicum, Maryland; Shelley Potler, Manager, Journal Editing Department, Williams & Wilkins, Baltimore, Maryland

As editing electronically has become more common, publishers are discovering what works and what doesn't—for the copy editing process itself and everything that comes after it: production, archiving, and "repurposing" electronic files. What software are people using successfully? What's the best way to convert and clean up authors' files? Who should be responsible for codes and special characters? How can style sheets and macros be used effectively? What about codes and links needed for electronic publishing? Come prepared to ask questions and share your stories.

A5. Can publishing make you (legally) perish? *Debra M. Parrish, JD, Titus & McConomy, Pittsburgh, Pennsylvania; Roy*

M. Pitkin, MD, Editor, Obstetrics & Gynecology, Clinical Obstetrics & Gynecology, *Los Angeles, California*

The world of editors has been changed by the Internet, electronic media, the No Electronic Theft Act, and misconduct issues. This session will explore these developments and certain high profile cases that have significant implications for editors.

12:00 NOON – 2:00 PM Lunch on Own . . . Visit Exhibits and Posters

2:00 PM - 3:30 PM

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CONCURRENT SESSIONS B (select 1)

B1. Creating RFPs and evaluating bids: How do you identify the real value? *Doug McLaurine [Chair], Associate Director, Journal Production and Manufacturing, John Wiley & Sons, Inc, New York, New York*

A significant portion of the cost of any journal is the manufacturing process. In this session, we will explore the methods used by various publishers to create requests for proposals (RFPs) for composition and printing services. Composition encompasses processing electronic files as well as paper manuscripts for use in printed as well as electronic journals. The panelists will explore ways to understand and evaluate proposals from typographers and printers. Purchasing paper directly versus from the printer will also be discussed.

B2. The National Library of Medicine: What is new and relevant to editors? Lois Ann Colaianni [Chair], Associate Director of Library Operations, National Library of Medicine, Bethesda, Maryland; Eve-Marie Lacroix, Chief, Public Services Division, National Library of Medicine, Bethesda, Maryland This session on the National Library of Medicine (NLM) is divided into three parts: 1) a description of the PubMed program linking MEDLINE citations to the full text of the articles on publishers' Web sites and the references cited in those articles to the citations and abstracts in MEDLINE; 2) a report of the analysis of requests for photocopies of articles processed via interlibrary loan and the number of journal titles used to fill these requests; and 3) an overview of activities at the NLM of potential interest and use to editors and publishers.

B3. Archiving digital files: Where should you store them? In what format? *Margaret Levene [Chair], Director, Annals of Emergency Medicine, Irving, Texas; Linda Beebe, President, Parachute Publishing, Washington, DC; Lorrin R. Garson, PhD, Chief Technology Officer, American Chemical Society, Washington, DC; Marcia Walker, Director of Electronic Technology, IPC Communication Services, St. Joseph, Michigan We're all looking at other uses for our editorial content, whether we're producing print pages from the desk top, SGML/HTML encoding, or using traditional typesetting. The question is, how do we store this content so that it is easily retrievable and most useful? The speakers will describe the options: store with your vendor (printer) or create data bases at "home"; PDF/SGML/HTML etc. formats; and labeling and back-up of files so that text, tables, and figures are ready where and how you need them.*

B4. Editorial boards: How do they function? How should they function? *Robert M. Quencer, MD [Chair], Editor-in-Chief,* American Journal of Neuroradiology, *Miami, Florida; David Bruns, MD, Editor-in-Chief,* Clinical Chemistry, *Charlottesville, Virginia; David Perrin, Editor-in-Chief,* Journal of Athletic Training, *Charlottesville, Virginia*

Issues concerning the formulation, responsibilities, and evaluation of a journal's Editorial Board will be discussed. Data collected from CBE members who are involved in the selection or the evaluation of an Editorial Board will serve to establishhow these boards currently function. With that as a background, we will seek to set forth our ideas on how an Editorial Board should interact with the Editor-in-Chief and the Deputy Editors. An exchange of ideas from the floor will be encouraged in this session.

3:30 PM – 4:00 PM Coffee & Tea in the Exhibit Hall

4:00 PM – 5:30 PM CONCURRENT SESSIONS C (select 1)

C1. What? FF&P doesn't stand for Find, Finger & Pillory? *Mary D. Scheetz, PhD [Chair], Program Analyst, Division of Policy & Education, Office of Research Integrity, Washington, DC; Robert B. Daroff, MD, Editor-in-Chief Emeritus, Neurology, Cleveland, Ohio; Iain E. Taylor, PhD, Editor-in-Chief,* Canadian Journal of Botany, Vancouver, British Columbia

Scientific misconduct is based primarily on the determination of "fabrication, falsification, and plagiarism" (FF&P) as defined by the Public Health Service. Many journal editors are well aware of what this phrase means, but not always sure of what route to take in order to address it appropriately. Questions often asked include: How should the manuscript be managed? Who should be notified? What can I expect to occur? This session will address these questions, as well as the ways in which editors can effectively and properly address "FF&P" in a positive and proactive way.

C2. What do your readers think? *Barbara Meyers, President, Meyers Consulting Services, Adelphi, Maryland*

A *Newsweek* article ("A Feast of Literary Delights," by Malcolm Jones, Jr and Ray Sawhill, December 29, 1997/January 5, 1998, pp. 87–89) stated in a discussion about the "book crisis" that "Publishers do not know who their audience is, because American culture has gone through so many convulsions in the last quarter century that uncertainty is its only constant." Do you *really* know who your audience is? Do you know what your readers think about your current products or what new ones they want? Practical discussions about the types of research techniques and studies to conduct will provide an interactive session for attendees. Be ready to learn as well as to share your experiences about surveys (snail mail and e-mail), interviews (single-person and group or focus sessions), and betatesting projects.

C3. Using the Web for peer review: Good or bad? Joy Moore

[Chair], Managing Editor, The Journal of Investigative Dermatology, Geneva, Switzerland; Keith Seitter, PhD, Associate Executive Director, American Meteorological Society, Boston, Massachusetts; Thomas Blake, PhD, Editor, Journal of Quantitative Trait Loci, Department of Plant Sciences, Montana State University, Bozeman, Montana

Progress in technologies and progressiveness within editorial offices has led to the increased use of Internet Web sites for the peer-review process. Editors have discovered the quick submission and response turnaround times availed by using Web sites for manuscript submission as well as review and response posting and retrieval. Speakers will summarize the success of on-line review systems currently in place, and how cyberspace is used to ensure the most expeditious handling of manuscripts, reviews, and correspondence.

C4. Transition to new editor and editorial operations: What have we learned? *Ann Link [Chair], Director of Periodicals,*

Monday, 4 May 1998

American Gastroenterological Association, Bethesda, Maryland; Leslie E. Neistadt, Managing Editor, Hughston Sports Medicine Foundation, Columbus, Georgia

Moving an editorial office can be both challenging and frustrating. Learn tips on how to ensure a smooth transition from those who have "been there, done that." This session will present personal trials and tribulations of closing editorial office operations and opening a new office. Issues addressed will include transfer of files, data bases, manuscripts and reviews, and all other aspects of transition.

C5. Indexing and information retrieval: What is being done and developed? *Michael Keller, Director of Stanford University Libraries and Academic Information, Stanford, California*

Research that combines computer science, library science, natural language processing, and linguistics has led to the design of new search and retrieval engines. This research and the challenges of digitizing, retrieving, displaying, and manipulating information will be discussed.

6:30 PM – 7:30 PM Reception

7:30 PM – 11:30 PM Award Ceremony and Dinner Dance

MONDAY, 4 May

7:45 AM – 5:30 PM Annual Meeting Registration

7:45 AM – 8:30 AM Morning Coffee & Tea in Exhibit Hall

7:45 AM – 5:30 PM Exhibits Open

9:00 AM - 10:00 AM

Plenary I. Communicating Science in the Twenty-First

Century. P. Michael Conn, PhD, Associate Director and Senior Scientist, Oregon Regional Primate Research Center, Beaverton, Oregon; Special Assistant to the President, Oregon Health Sciences University, Portland, Oregon; President, STAR Park, Inc, Portland, Oregon

Science grows by communication among scientists in journals and at scientific meetings. In order to maintain public trust and support, and to bring new minds into science, we must communicate our excitement and achievements in a way the public can understand. Our failure to do so effectively results in confusion about what we do and why we do it. How can we improve public communication?

9:00 AM – 12 Noon

Employment Clearinghouse

This year, attendees will have the opportunity to speak with representatives from employment agencies and professional associations who are looking for candidates to fill current and potential positions. Under the direction of program committee member Gary Michael Smith, an employment clearinghouse will be offered at this time and again from 2:00 PM to 5:00 PM, whereby job seekers can meet with employers to discuss specific opportunities. No special registration is necessary; attendees simply are encouraged to bring their resumes with them to the conference and prepare to interview.

10:00 AM – 10:30 AM Coffee & Tea in the Exhibit Hall

10:30 AM - 12:00 Noon

CONCURRENT SESSIONS D (select 1)

D1. How can public understanding of science be improved? Amelia Morgan [Chair], Director of Media Relations, International Food Information Council Foundation, Washington, DC; Julianne Chappell, Executive Editor, Journal of the National Cancer Institute, Bethesda, Maryland; Sharon M. Friedman, Iacocca Professor and Director of the Science & Environmental Writing Program, Department of Journalism & Communications, Lehigh University, Bethlehem, Pennsylvania

The public's unfamiliarity with the scientific process can make the revolutionary nature of research appear contradictory and confusing. How emerging science is communicated—by scientists, journals, the media and the many interest groups that influence the process—can have powerful effects on the public's understanding, on its behavior, and ultimately on its well-being. The new "Guidelines for Communicating Emerging Science on Nutrition, Food Safety, and Health. For Journalists, Scientists and Others" will be presented at this session. A journal editor, a science journalism professor, and a practicing journalist will present and discuss their roles and the challenges in advancing the public understanding of science-based information.

D2. Care and feeding of reviewers: How do you recruit, train, and maintain? Susan Knapp [Chair], Director of Publications,

American Psychological Association, Washington, DC; Pamela Hines, PhD, Senior Editor, Science Magazine, Washington, DC; Craig A. Smith, DVM, PhD, Assistant Editor, American Veterinary Medical Association, Schaumberg, Illinois

With the proliferation of journals and the continuing attrition in institutional support for the publishing process, editors are finding it harder and harder to find reviewers, to obtain good reviews in a timely manner, and to keep good reviewers on their rosters. Three experienced publishing professionals will share their experiences on how to handle these problems in the information age.

D3. Substantive and technical editing: How far do you go?

Karen Potvin Klein [Chair], Fiscal Specialist/Research Editor, Department of Internal Medicine/Cardiology, Bowman Gray School of Medicine, Winston-Salem, North Carolina; Margaret Hoppenrath, Editor, Hoppenrath Publishing, Gilbert, Arizona; Deborah St. James, Director, Editorial Services, Bayer Pharmaceuticals, Madison, Connecticut; Sharon Naron, Senior Scientific Editor, St. Jude's Children's Hospital, Memphis, Tennessee

How far does the editor's judgment extend, and where does the author's responsibility stop? If a statement is incorrect, should the editor change it? If the author cannot be reached (or has no opinion), should the editor change it anyway? The fine line between the statement and the substance can be difficult to discern when editing scientific text. A panel composed of different types of editors will discuss their levels of edit, levels of comfort, and how they assess when they have gone far enough.

D4. Citation analysis: What does it tell us? *Eugene Garfield, PhD, Chairman Emeritus, ISI®, Publisher,* The Scientist®, *Philadelphia, Pennsylvania*

There is now a vast literature on the use of citation analysis for research evaluation, including performance by researchers, journals, institutions, and countries. In the hands of informed analysts, citation data can be helpful to editors in evaluating the performance of their own journals and other similar journals. The <u>current</u> impact factor has become an international standard for comparing journals. But in certain fields <u>cumulative</u> impact factors may be more relevant. My review will include data from the ISI® *Journal Citation Reports*® and *Journal Performance Indicators*® data bases (7- and 15-year cumulative impact factors). Editors can use the new *Science Citation Index*®/*Social Sciences Citation Index* on the *Web of Science*® to systematically review the performance of individual authors or articles in their journals.

12:00 Noon - 2:00 PM Annual Report to the Membership Lunch

2:00 PM – 5:00 PM Employment Clearinghouse

2:00 PM - 3:30 PM

CONCURRENT SESSIONS E (select 1)

E1. Where have all the advertising dollars gone and how can you get them back? Edward P. Rekas [Chair], Director of Publications, FASEB, Bethesda, Maryland; David Ern, Director of Marketing, Carden Jennings Publishing, Charlottesville, Virginia; Herbert L. Burklund, President, Scherago International, Inc, New York, New York; Anthony M. DiBiase, Jr, President, Promotions in Medicine, Inc, Fort Myers, Florida

Somewhere in your career as a publications professional, the boss has probably thrown a copy of *Science* on your desk and asked, "How come we're not selling ads like these?" Well, there's an easy answer and we'll supply it. But we also plan to provide attendees with a foundation for implementing an effective advertising sales program for your life sciences journal that will contribute supplemental revenue to your publication program.

E2. What do feature articles contribute to scholarly

journals? Addeane S. Caelleigh, Editor, Academic Medicine, Association of American Medical Colleges, Washington, DC; Pia Pini, Senior Editor, The Lancet, London, United Kingdom

Do readers benefit from feature articles in scholarly journals? What function does this material serve? The intersection of the liberal arts and medicine/science, and how readers can be enriched by the perspectives of each discipline, are the topics of this panel. Editors who publish this material in journals will discuss the reasons they do so, what they look for when considering submissions for publication, and what they think their readers learn when they consider meter, not just "Materials and Methods." E3. Authors/contributors in basic and applied biological sciences: Who takes responsibility for what? How does the reader know? Bruce P. Dancik, PhD [Chair], Editor-in-Chief, NRC Research Press, Edmonton, Alberta; James P. Shaver, PhD, Dean, School of Graduate Studies, Utah State University, Logan, Utah

Authorship is the principal means by which praise and plaudits, and scorn and ridicule, are attributed in science. All too often, however, the prestige, glory, and credit of authorship are welcomed, without its attendant responsibility. Authorship also has been used as currency, parceled out for favors granted and expected. In this workshop, participants will discuss the range of current conventions and issues in authorship; the place of honorary, guest, and ghost authors; and the role of editors in defining authorship in the basic and applied sciences.

E4. Manuscript-tracking data bases: Build or buy? Alexander

D. Politis, PhD [Chair], Assistant Editor, The Journal of Immunology, Bethesda, Maryland; Lynn D. Foster, Electronic Projects Supervisor, American Heart Association, Dallas, Texas; Dana St. John Kolar, Managing Editor, Circulation, St. Luke's Epicopal Hospital/Texas Heart Institute, Houston Texas

Information management is critical to the scientific manuscript peer-review process. Periodically, every scientific journal is faced with a decision concerning how best to track manuscripts under review. The rapid advances in computer technology encourage the frequent re-examination of data base choices. This session will examine the fundamental question of whether it is better to buy pre-existing tracking software or to custombuild a manuscript tracking system. Panelists with experience in making this choice recently or familiar with specific data base options will be available to discuss appropriate criteria that will help you make the best decision for your journal.

E5. Salami science: Are we still allowing it? Arthur S. Elstein, PhD, Editor-in-Chief, Medical Decision Making, Department of Medical Education, University of Illinois-Chicago, Chicago, Illinois; Carol Cadmus, Managing Editor, Integrated Communications Corporation, Parsippany, New Jersey

Well, of course we are, some CBE members will retort. Maybe so, but look how far we have come, others will respond. The members of this panel bring differing perspectives to this debate. Come hear their views on where we are, and their ideas on how still more progress can be achieved. Controversy, brainstorming, and creativity from the audience will be encouraged.

3:30 PM – 4:00 PM Coffee & Tea in the Exhibit Hall

4:00 PM - 5:30 PM

CONCURRENT SESSIONS F (select 1)

F1. What are the models for licensing, pricing, and contracting for print and on-line? Hunt Williams [Chair], President & CEO, Community of Science, Baltimore, Maryland; Tony Derniac, Director, Special Publishing Operations, American Chemical Society, Washington, DC; Steve Welch, American College of Chest Physicians, Northbrook, Illinois

The primary business concern of a publisher or a scientific society is to enhance and preserve revenue. In an on-line environment, print subscription revenues are put at risk. The focus of this session will be to discuss how publishers and societies can engage successfully in on-line publishing while protecting their total revenue stream. Issues will include bundled print-electronic subscriptions, individual versus institutional tradeoffs, and subscription versus single-article sales models.

F2. Is there quality of evidence in the scientific literature? John C. Bailar III, MD, PhD [Chair], Chair, Department of Health Studies, University of Chicago, Chicago, Illinois; Michelle Berlin, MD, MPH, Associate Editor, Annals of Internal Medicine, Philadelphia, Pennsylvania; Tom Lang, Manager of Medical Editing Services, The Cleveland Clinic Foundation, Cleveland, Ohio

Two important criteria of quality in science are technical perfection and the nature of the question. The big leaps forward tend to come from questions that are not at first precise and methods that are not optimal, while the "smaller" papers tend to be more technically perfect and more precisely targeted as they fill in the gaps between the giant leaps. Both types are needed, but there are major tradeoffs between big and little questions as well as between fewer studies that approach perfection and more that are likely to fall somewhat short. The speakers—from the point of view of their own scientific literature—discuss the questions "what level of quality is needed and attainable?" and "what is the present level of quality?"

F3. What does it take to bring your meeting abstracts online? Susan Chambers [Chair], Director of Finance & Administration, American Association for Plant Physiologists, Rockville, Maryland

Panelists will discuss the many issues involved in implementing the meeting abstract submission and retrieval process. The issues include: obtaining buy-in and consensus from leadership, staff, vendors and attendees; designing a workable solution for the desired format and functions for Web access and the printed version from both the programming and end-user viewpoints; organizing the procedures, dataflow, responsibilities, quality control and deadlines; effectively communicating the new procedures and benefits to attendees; coordinating the project with multiple vendors; monitoring the progress and encouraging feedback from all involved; and compiling "lessons learned" for future improvements and enhancements.

F4. Receiving, managing, and modifying digital images: How do you cope with the logistics and ethics? *Karen Adams-Taylor [Chair], Director of Advertising and Production Services, American Medical Association, Chicago, Illinois*

This session will present an overview of how publishers are coping with the submission of images for publication in digital form as well as via other media. The logistics of file conversion for print and electronic distribution, storage, and manipulation will be discussed in detail. Issues surrounding modification of images to optimize them for distribution via print and in electronic form will be presented. New technologies such as computer-to-plate and its impact on editorial images as well as advertising will be considered.

F5. What has the "Scope and Mandate Task Force" learned? *Christy Wright [Chair], Editorial Consultant, SciEd Associates, Millington, Tennessee; Lois Ann Colaianni, Associate Director of Library Operations, National Library of Medicine, Bethesda, Maryland; Susan Eastwood, Principal Analyst, Division of*

Publications & Grant Writing, University of California, San Francisco, Emeryville, California; Patricia Huston, MD, Clinical Associate, Prevention & Rehabilitation Centre, University of Ottawa Heart Institute, Ottawa, Ontario

The "Scope and Mandate Task Force" was first formed in 1995 to determine if a change of direction or a new vision was needed for CBE. Regional subcommittees were formed to advise the Task Force, a membership survey was carried out, and Board deliberations ensued. What was the result of it all? In this session, we will reveal what was learned from the Task Force and will highlight how the Board intends to carry forward the Task Force's recommendations. Open discussion will be encouraged.

TUESDAY, 5 May

8:30 AM – 12:00 Noon Annual Meeting Registration

8:30 AM – 12:00 Noon Exhibits Open

8:30 AM - 9:30 AM

Breakfast Forums for Special Interest Groups

- I. Journal Editors in Basic and Applied Biology
- II. Medical Journal Editors
- **III.** Managing Editors
- IV. Manuscript Editors
- V. Publishers and Printers

9:30 AM - 10:30 AM

Plenary II. If it Bleeds, it Leads: The Challenge of Getting Science on Television. Ira Flatow, President, ScienCentral, Inc, Stamford. Connecticut

With so much science in the news, why does so little of it show up on local television? A recent survey conducted by ScienCentral, Inc, indicated that many TV news directors would show more science on their evening newscasts if they had access to the "content." What are the problems in getting science news on television? Can scientists, TV news directors and producers find common ground? Most news people equate science with medicine. How can other stories in other fields of science compete with medical news? The proliferation of the Internet has reached the newsroom. Using the Internet to deliver science news to television will also be discussed.

10:30 AM – 11:00 AM Coffee & Tea in the Exhibit Hall

11:00 AM - 12:30 PM

CONCURRENT SESSIONS G (select 1)

G1. How do I keep print publication costs down? *Kathye* Long [Chair], Director of Publications, INFORMS, Linthicum, Maryland; Toni Clogston, Director, Periodical Operations, Mosby, Inc, St. Louis, Missouri; Constance B. Kiley, Vice President, Marketing/Trade Relations, Cadmus Journal Services, Linthicum, Maryland

- Are you concerned about your rising print subscription prices?
- Do you see your publication costs escalating?

TUESDAY, 5 MAY 1998

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• Are you concerned about the long-term viability of your print products?

If you answer YES! to any of these questions, you need to attend this session! We will present three panelists who will try to address these issues. Our panelists include a commercial publisher, a not-for-profit publisher, and a compositor and printer. Regardless of the size of your publications program, join us for a stimulating exchange of views on these issues!

G2. Will the Web change how science is done and reported?

Peter S. Greene, MD [Chair], Society of Thoracic Surgeons, The Johns Hopkins Hospital, Baltimore, Maryland; Peter B. Boyce, PhD, Senior Associate, American Astronomical Society, Washington, DC; Dan Jacobson, Chief Technology Officer, Community of Science, Baltimore, Maryland

The Web offers new possibilities for enhancing scientific communication. Print journals are evolving into rapidly published electronic repositories with hyperlinks to a rich assortment of references, citations, and data bases. Journals will include new features such as interactive instruction, real-time reader surveys, on-line calculators, and multimedia add-ons. Online meetings can make the dissemination of information more efficient for both speakers and participants. All of this must be done while preserving peer review and appropriate competition for prominent exposure. Longevity of electronic materials is a major concern. Scientific societies must be prepared to take the lead in offering these enhancements in order to stay relevant in the electronic era.

G3. Third International Congress on Peer Review in Biomedical Publication: What were the highlights of the

Prague conference? Annette Flanagin [Chair], Director, JAMA Programming & International Activities, American Medical Association, Chicago, Illinois; John C. Bailar III, MD, PhD, Chair, Department of Health Studies, University of Chicago, Chicago, Illinois; Drummond Rennie, MD, Deputy Editor (West), JAMA, Institute for Health Policy Studies, University of California, San Francisco, California

We will revisit some of the provocative sessions from the Third International Congress on Peer Review in Biomedical Publication, held in Prague last September. This session will feature three brief presentations on the following topics: "Summary of the Congress and Plans for the Future"; "Reporting, Peer Review, and Authorship"; and "Peer Review, Misconduct, and Progress in Science." Each presentation will be followed by an equal amount of time for questions from the audience and discussion.

G4. Conflict of interest in the peer-review process: When,

where, and how? Edward J. Huth, MD [Chair], Editor Emeritus, Annals of Internal Medicine, Bryn Mawr, Pennsylvania; Charles J. Parker, MD, Assistant Editor, The Journal of Immunology, Professor of Medicine, University of Utah, Salt Lake City, Utah; Theron S. Rumsey, PhD, PAS, Editor-in-Chief, Journal of Animal Science, Research Animal Scientist, Animal Science Institute, Beltsville, Maryland; Mary D. Scheetz, PhD, Program Analyst, Division of Policy & Education, Office of Research Integrity, Office of Public Health and Science, Rockville, Maryland

The peer-review process depends on ethical standards to ensure fair consideration of manuscripts or grant proposals. What constitutes a conflict of interest? What are the impacts when conflicts are allowed to occur? How can conflicts be avoided? Is there any substantial difference between conflicts of interest in the editorial process and those in grant proposal reviewing? These and related questions will be discussed by a panel including an editor-in-chief, peer reviewers from the academic community, and a representative of the Office of Research Integrity.

G5. What's in a name? How is nomenclature developed and how can I keep up? *Cheryl Iverson [Chair], Director of Editorial Processing, American Medical Association, Chicago, Illinois; Stuart Nelson, MD, Head, Medical Subject Headings, National Libraryof Medicine, Bethesda, Maryland*

Where do they come up with these naming schemes? Who are "they" anyway? How do you find the latest consensus or at least the latest controversy in scientific nomenclature? This session will explore the Internet resources available to editors in keeping abreast of developing nomenclature. The mechanisms behind the development of naming conventions in one field will also be described. A discussion will follow on the topic of how to decide on nomenclature standards when there is no clear consensus within the scientific community.

1:30 PM - 4:00 PM Board and Committee Chair Meeting

OPTIONAL TOURS/EVENTS

1:00 PM – 4:00 PM *Windows on Ovid Technologies* Price: \$25/person (includes box lunch)

The Ovid Technologies "back room" operations center just outside of Salt Lake City has opened its doors for CBE Annual Meeting attendees to visit. Ovid provides on-line access to hundreds of journals in full-text format. The tour will include a discussion of how data are received, processed, and transformed into viewable pages. A walk-through of the facilities will allow visitors to get a feel for what goes on behind the scenes at an "on-line" provider. Finally, a demonstration of the Ovid interface will be given, with discussion of search engines and a question and answer session.

1:30 PM - 5:00 PM

Red Butte Arboretum and Tracy Aviary Tour

Price: \$48/person (includes box lunch; 15-person minimum) Travel by motor coach to the base of Red Butte Canyon to enjoy the natural blend of floral displays and intermountain plant communities at Red Butte Arboretum and Gardens. A professional guide awaits to delight your mind and senses with a savory safari through the new and exotic Terrace Gardens. You will also appreciate the beautiful panoramic view of the Salt Lake Valley. Next you will visit Tracy Aviary, the largest and oldest known aviary in the United States. At the Aviary, you will be guided through seven wooded acres of exhibits, enjoy a Birds of Prey Show, and a private presentation of *Utah Birds & Vanishing Wildlife*. The Aviary is home to more than 1,000 birds from all over the world. Fun for bird lovers and conservationists alike! GENERAL INFORMATION

General Information

To register for the CBE 41st Annual Meeting, complete and mail or fax the registration form to CBE headquarters.

By Mail:

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Mail your registration form with payment to:

CBE Headquarters Conference and Exposition Department 60 Revere Drive, Suite 500 Northbrook, IL 60062 USA

By Fax:

Fax your registration form to CBE at 847-480-9282, 24 hours a day, 7 days a week. Include your Visa, MasterCard, or American Express number and expiration date. Registrations cannot be processed without full payment.

Payment

All registrations must be accompanied by a check or credit card number. Make checks payable, in US dollars, to the Council of Biology Editors. Registrations cannot be processed without full payment. Purchase orders will not be accepted.

Registration

Participation in the CBE 41st Annual Meeting is limited to registered delegates. Your full registration includes:

- Admission to all educational sessions
- Access to all exhibits
- Invitation to the welcome reception
- Daily coffee and tea breaks
- Sunday awards ceremony and dinner dance
- Monday annual report to the membership luncheon
- Tuesday breakfast forums
- Final program

One-day registrations include educational sessions, exhibits, and coffee and tea breaks in addition to:

- Sunday-only includes the awards ceremony and dinner dance
- Monday-only includes the luncheon
- Tuesday-only includes the breakfast

Spouse/Guest Registration

Spouses and guests may register for the spouse/guest package, which includes the welcome reception, Sunday awards ceremony and dinner dance, Monday luncheon, and Tuesday breakfast, or buy a ticket for the Sunday banquet only. Spouses and guests must fill out a registration form.

Confirmation of Registration

Attendees are asked to select the sessions they would like to attend (for planning purposes only). Each registrant will receive confirmation of registration, which will serve as a receipt of fees paid. \odot

Cancellation

Notification of cancellation must be submitted in writing. Cancellations received by 1 April will be subject to a \$50 cancellation charge. Cancellations received after 1 April will have \$75 deducted from the refund. No refunds will be made for cancellations received within 7 days of the CBE 41st Annual Meeting. Substitutions are allowed at any time, but requests must be submitted in writing. Registrants who fail to attend the CBE 41st Annual Meeting and do not notify CBE headquarters in advance are responsible for full payment.

Exhibits

Members are encouraged to bring display copies of journals or other noncommercial materials. Space is available for exhibitors who wish to show or demonstrate products or services of specific interest to CBE attendees. The fee for exhibit space is \$500. Contact Andrea Blood at CBE headquarters, 847-480-9080, for an exhibitor's application.

Food Functions

Attendees with restrictive dietary requirements should indicate these on the registration form. Every effort will be made to accommodate these needs.

Dress

The dress for the CBE 41st Annual Meeting is casual business. The weather in Salt Lake City is moderately warm; the average temperature is between 65 and 75 degrees Fahrenheit. Jackets are recommended for the evenings.

CBE Short Courses and Workshops

• Friday, 1 May

Short Course for Journal Editors, Part I Workshop on Writing the Scientific Paper, Part I

Saturday, 2 May Short Course for Journal Editors, Part II Short Course for Managing Editors Short Course for Manuscript Editors Workshop on Writing the Scientific Paper, Part II

For more information on the CBE short courses and workshops, please contact Denise Baran or Andrea Blood at CBE headquarters, 847-480-9080.

Hotel Accommodations

CBE negotiated with The DoubleTree Hotel to offer the special rate of \$115 (single) and \$125 (double). All rates are subject to state and city taxes. This rate is available for reservations made before 3 April. Rooms will be assigned on a first-come, first-served basis.

Make reservations by 3 April to ensure accommodations. To reserve a room, call The DoubleTree Hotel at 801-328-2000 and mention CBE to receive the special rate.

The DoubleTree Hotel 255 South West Temple Salt Lake City, Utah 84101

CBE Membership

The regular membership fee is \$95 (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

GENERAL INFORMATION

publications; the bi-monthly publication *CBE Views*; and the CBE Membership Directory. For information on joining CBE, please call Denise Baran at CBE headquarters, 847-480-9080.

Roommate Wanted

Attendees wishing to share a room may advise Andrea Blood at CBE headquarters. Headquarters will not make assignments, but will facilitate the exchanges of telephone or fax numbers.

Air Travel Discount

Airline reservations can be made through Bannockburn Travel, Inc, the preferred agency of CBE. Please call 800-557-9167 (847-948-9111 for international callers) for travel information. CBE conference attendees traveling within the United States will receive a discount on any American Airlines round-trip coach, supersaver, or first class ticket. This discount is available only to CBE 41st Annual Meeting participants when they fly American Airlines and purchase their tickets through Bannockburn Travel. This discount is not available through any other travel agency or directly with American Airlines. When calling Bannockburn Travel, ask for the group department and mention the CBE 41st Annual Meeting to receive the discount.

Car Rental Discount

CBE meeting attendees qualify for a 10-percent discount on Hertz benefit daily rates; a 10-percent discount on Hertz standard daily, weekly, weekend and monthly rates on all car classes; and a 5-percent discount on leisure daily, weekly, weekend, and monthly rates on compact and larger cars. These discounts are available at participating Hertz locations in the United States.

> Hertz' Members-Only Desk 800-654-2240 CBE Reference Number CV No. 41892

Transportation From the Airport

The Salt Lake City International Airport is approximately 7 miles from The DoubleTree Hotel. The DoubleTree Hotel has a complimentary shuttle from the airport to the hotel. Interested parties can pick up the shuttle outside the baggage claim area of the airport. The shuttle leaves every half hour.

Taxis are also available, and fares to The DoubleTree Hotel are between \$12 and \$15, one way.

Parking

For attendees who are driving to the CBE 41st Annual Meeting, self-parking and valet parking are available:

Self-Parking: \$5/day; Valet Parking: \$8/day

Questions

For additional information about the CBE 41st Annual Meeting, please contact Andrea Blood or Denise Baran at CBE headquarters, 847-480-9080; fax, 847-480-9282; e-mail, cbehdqts@aol.com. For additional information on Salt Lake City, contact the Salt Lake City Convention and Visitors Bureau at 801-521-2822; e-mail: slcvb@saltlake.org

REGISTRATION FORM CBE 41st Annual Meeting, 2-5 May 1998, The DoubleTree Hotel, Salt Lake City, Utah, USA

			Last Name	Title (for CBE records only)
Comp	any or Organization	Name	Street	Address
City			St./Prov.	Country Zip/Postal Code
Telep	hone	F	ax	E-mail
Nickn	ame (as you wish it t	o appear on your badge)	Spous	e/Guest Name (if applicable)
•	stration Fees Registration	Until 1 April 1998	After 1 April 1998 and on-site	Please Answer: Breakfast Forums for Special Interest Groups on Tuesday, 5 May. Pleas
	E Member	\$295	\$350	indicate one table preference for breakfast seating:
Nor	member	\$395	\$460	Journal Editors in Basic & Applied Biology
Stuc	lent	\$115	\$150	Medical Journal Editors
	quet Only	\$40	\$55	☐ Managing Editors ☐ Publishers and Printers
	use/Guest Package	□ \$85	\$135	☐ This is the first time I have attended a CBE Annual Meeting.
	des breakfast, banqu			Session Selections
One- Pleas	Day Registration e check the day you		ay register for a single day only;	Please mark session choices in order of preference as 1 (first choice), 2 (second choice), 3 (third choice), and 4 (fourth choice). Registrants are not held to their choices. Sessions A Super 2 Mark A1 = 0.2 = 0.2 = 0.4 = 0.4 = 0.5
		Until 1 April 1998	After 1 April 1998 and on-site	Sun, 3 May A1 A2 A3 A4 A5 Sessions B
Sund	ay, 3 May	\$160	\$175	Sun, 3 May B1 B2 B3 B4
			\$165	Sessions C Sun, 3 May C1 C2 C3 C4 C5
		\$80	\$95	Sessions D D2 D3 D4
Optional Tours/Special Event Registration				Sessions E
Tuesday, 5 May □ \$80 Optional Tours/Special Event Registration □ Park City/Sundance: "Alps of Utah" Motor Coac Homestead Resort. 9-4 pm, 2 May Price: \$70/person (15-person minimum) □ Museum of Natural History and Fine Arts Museu			Mon, 4 May E1 E2 E3 E4 E5 Sessions F Tues, 5 May F1 F2 F3 F4 F5	
	Price: \$70/person (15-person minimum) Museum of Natural History and Fine Arts Museum. 1-5 pm, 2 May Price: \$32 per person (30-person minimum)		Museum. 1-5 pm, 2 May	Sessions G Tues, 5 May G1 G2 G3 G4 G5
	Price: \$32 per person (30-person minimum) Windows on Ovid Technologies. 1-4 pm, 5 May Price: \$25/person (includes box lunch).			Payment Payment (in US funds only) must accompany this form for advance registration.
	Price: \$25/person (includes box lunch). Red Butte Arboretum and Tracy Aviary Tour 1:30-5 pm, 5 May Price: \$48/person (includes box lunch) (15-person min.)		1	International registrations must remit payment in US funds drawn on a US bank. Make check payable to the Council of Biology Editors. CBE's taxpayer I.D. number 35-6060021. Registrations will not be processed without full payment. Telephone registrations will not be accepted.
Total Payment \$			\$	Image: MasterCard Image: Visa Image: American Express Image: Check/Money Order Image: Visa Image: American Express
			ecify any special needs or quirements:	Card Number Expiration
Any	questions regarding t	he program or registration	n, contact or fax Denise Baran or	Signature
Andrea Blood at CBE headquarters: 845-480-9080; fax, 847-480-9282; e-mail, cbehdqts@aol.com.				For Office Use Only

Frontiers in Publishing: A Landscape of Questions Council of Biology Editors — Annual Meeting Highlights DoubleTree Hotel, Salt Lake City, Utah May 2–5, 1998

Short Courses for Journal Editors, Managing Editors, and Manuscript Editors and Workshops on Writing the Scientific Paper

Tours: Park City/Sundance: "Alps of Utah," Museum of Natural History and Fine Arts Museum, Windows on Ovid Technologies, Red Butte Arboretum and Tracy Aviary Tour

Special Events: Welcome Reception, Reception, and Award Ceremony and Dinner Dance

Breakfast Forums for Special Interest Groups: Journal Editors in Basic and Applied Biology, Medical Journal Editors, Managing Editors, Manuscript Editors, and Publishers and Printers

Poster Session and Exhibits

Keynote Address

The Dolphin Oracle. Dudley R. Herschbach, PhD, Nobel Laureate, Harvard University, Cambridge, Massachusetts

Plenary Sessions

Communicating Science in the Twenty-first Century. P. Michael Conn, PhD, Oregon Regional Primate Research Center,

Beaverton, Oregon

If it bleeds, It Leads: The Challenge of Getting Science on Television. Ira Flatow, ScienCentral, Inc., Stamford, Connecticut

Concurrent Sessions

E-Journals: How should they be priced?

Science . . . who's driving and where are we going?

What works with instructions, forms, and checklists?

Electronic copy editing: What works?

Can publishing make you (legally) perish?

Creating RFPs and evaluating bids: How do you identify the real value?

Will the web change how science is done and reported?

The National Library of Medicine: What is new and relevant to editors?

Archiving digital files: Where should you store them? In what format?

Editorial boards: How do they function? How should they function?

What? FF&P doesn't stand for Find, Finger & Pillory?

What do your readers think?

Using the web for peer review: Good or bad?

Transition to new editor and editorial operations: What have we learned?

Indexing and information retrieval: What is being done and developed?

How can public understanding of science be improved?

Care and feeding of reviewers: How do you recruit, train, and maintain?

Substantive and technical editing: How far do you go?

Citation analysis: What does it tell us?

Where have all the advertising dollars gone and how can you get them back?

What do feature articles contribute to scholarly journals?

Authors/contributors in basic and applied biological sciences: Who takes responsibility for what? How does the reader know?

Manuscript-tracking data bases: Build or buy?

Salami science: Are we still allowing it?

What are the models for licensing, pricing, and contracting for print and on-line? Is there quality of evidence in the scientific

literature?

What does it take to bring your meeting abstracts on-line?

Receiving, managing, and modifying digital images: How do you cope with the logistics and ethics?

What has the "Scope and Mandate Task Force" learned?

How do I keep print publication costs down?

Third International Congress on Peer Review in Biomedical Publication: What were the highlights of the Prague conference?

Conflict of interest in the peer-review process: When, where, and how?

What's in a name? How is nomenclature developed and how can I keep up?