



ACS Division of  
Professional Relations

# BULLETIN

Issue #81 September 2008  
Lisa M. Balbes, Ph.D. Editor  
lisa@balbes.com

## Chair's Commentary

Dave Chesney

This really didn't hit me until I got home, unpacked my official ACS souvenir from the Philadelphia meeting and found the big "Made in China" logo on the package. (All the previous ACS souvenirs were probably produced overseas – this is just the first time it occurred to me to care.) It is not mystifying why the ACS persists in handing out dollar-store trinkets as meeting souvenirs – cost is always cited as the determining factor. But "Made in China"? At a time when there is increasing evidence of job loss and career disruption because of the trend to globalization among chemical companies? Hello? ACS meetings people?

The ACS membership is rightly concerned about globalization. Outsourcing R&D and production for short-term financial gain is a net negative, not only for domestic chemical professionals and their careers, but ultimately for the chemical companies that make such choices. It will be the rare instance where outsourcing is the desirable option because the talent pool "over there" is so much better that it makes business sense to move. The IT community went through this already in India and found, much to their dismay, a pretty shallow pool with sufficient technological competence. The chemical companies will go through this and, after a twenty-year cycle, recognize the mistake that they have made. Unfortunately, for many chemical professionals, it will be too late.

I encourage everyone who has read this commentary thus far to read the report of the ACS Task Force on Globalization (available on the ACS web site) and also the executive summary for *Rising Above the Gathering Storm: Energizing and Employing America for a Brighter Economic Future* from the National Academies Press ([http://books.nap.edu/openbook.php?record\\_id=11463&page=1](http://books.nap.edu/openbook.php?record_id=11463&page=1)). After you read these documents, think hard about the impact that outsourcing will have on our profession and what the ACS can be challenged to do to take a true lead on this issue.

Send your ideas to me and I will be sure to forward them on to the appropriate units at ACS.

Let me start the process by posing a few outside-the-box ideas:

- 1) No ACS certification at the university level without a high school chemistry class taught by a degreed chemist. The teaching of high school chemistry by non-chemists has been identified as an issue of major concern. The one thing ACS has some control over is its certification process. Make certification of professionals start in high school. Let parents know.
- 2) Professional certification. ACS decided long ago to forego the kind of professional status that doctors and lawyers have, probably in large part because chemists don't tend to open up their own business, tending instead to work for large companies with R&D facilities. Having a "Professional Chemist" certification of professional accomplishment bestowed by the ACS might mitigate career disruption when a position is outsourced.
- 3) ACS members should have to sign pledges not to participate in any of the "open innovation" initiatives that broker intellectual property in chemical R&D. Not only do participants lose their intellectual property once it is submitted, but the success of such initiatives is putting ACS members out of jobs.
- 4) Lead an initiative for a major television-based public-relations campaign on the scale of the Jerry Lewis Labor Day marathon for the Muscular Dystrophy Association. Partner with other professional scientific and engineering societies to raise public awareness of the need for science education and the dangers to the whole American economy of outsourcing chemical R&D. Line up 24 hours of chemistry, physics, and engineering demonstrations designed to excite a young audience. Partner with Mythbusters, Bill Nye, and other public figures with a science and engineering connection. Educate the people on these

issues and energize them to contact their congressional representatives. Repeat annually.

5) Don't give out trinkets made overseas as meeting souvenirs.

Thanks for reading.

## **Important Election Information for PROF Members:**

Dave Chesney

Last year the Division of Professional Relations used electronic balloting for the first time. Many of the comments were very positive. We decided to use electronic balloting because we thought that it would increase the number of members that vote, as well as allow us to use Division resources for other projects that would benefit the members more than conducting an election. Unfortunately, neither was realized. The percentage of PROF members that voted was no higher than in previous years. In terms of cost, one of the reasons that it cost us more than we expected was that we sent out postcards by US mail with the balloting information. This was done so that those members who didn't provide us with an email address could still vote.

We will use the same process this election. However, after this year, we will no longer use US mail for elections. To ensure that your vote counts in the future, please make sure that the email address that the national ACS has is valid and current. Visit <http://www.chemistry.org/>

If you absolutely cannot use the balloting as provided and require a paper ballot, please contact one of us before October 1, 2008 and we will provide this option. Please be aware that the PROF Executive Committee has decided that this is the last year that PROF will use paper ballots under any circumstances.

Dave Chesney Department of Chemistry, Michigan Technological University, 1400 Townsend Drive, Houghton, MI 49931-1200  
Barb Moriarty PO Box 694, Island Lake, IL 60042-0694

## **Candidate Biographies**

### **Chair – Elect (elect one)**

- John C. CRAWFORD

Academic Record: B.A. Chemistry, Bucknell University, 1991; M.S. Chemistry, Polytechnic University, 1995.

ACS Membership: 1991 - present.

Professional Positions: Regulatory Product Stewardship Specialist 2001 – present, Process Chemist 1996 – 2001 Rohm and Haas Company; Chemist 1991 – 1996 Cytec Industries (Formerly Cyanamid Company) National ACS Service: ACS Membership Affairs Committee: Recruitment and Retention Subcommittee Chair 2005-2007; Younger Chemists Committee 1996-2004: Chair 2002-2003, YCC Immediate Past Chair 2004, YCC Local and Regional Activities Subcommittee Chair, 1997–2001; Philadelphia Councilor & Alternate Councilor 1999 – 2007; ACS Council Policy Committee Task Force on Responsible Care®, 2000; Membership Affairs Committee Task Force on the Recruitment and Retention of Younger Chemists, 2000. Local Section ACS Service: Philadelphia Section: Membership Booth Industrial Company Outreach 2007-08, Director and Membership Committee, 1998–2001; National Chemistry Week Committee, 1997 & 1999. Western Connecticut Section: Chair–elect, 1996; Professional Relations Committee Chair, 1994–95; Government Relations Officer, 1995.

Member: Division of Professional Relations

- James Visintainer

Academic Record: Duquesne University, B.S., 1967; Kent State University, Ph.D., 1973.

Honors: ACS Akron Section Distinguished Service Award, 1997; Sigma Xi.

Professional Positions: Kent State University, Physics Dept., Instructor 2003-present; Goodyear Research, 1978-03; University of Connecticut Medical School, 1977-78; University of Manitoba, 1975-1977; City University of New York, Hunter College, 1973-75.

Service in ACS National Offices: Chair Subcommittee on Ethics Awareness, Committee on Ethics, 2005-present; Chair Subcommittee on Standards & Ethics, Committee on Economics and Professional Affairs, 2002-2005; Presidential Task Force on ACS/American Chemical Council Activities, 2002-04;

Membership Affairs Committee, 1998-2001, Chair 2001; Board of Trustees, Group Insurance for ACS Members, 2001;

Chemistry Advisory Board, 2001-2007; Chair Senior Chemist Task Force, 2000; Chair Subcommittee on Surveys, Committee on Economics and Professional Affairs, 1995-97; Committee on Professional Relations, 1992-94; Board Task Force on Pensions, 1991; Career Consultant, 1995 – present.

Service in ACS Offices: Member ACS since 1980.

Akron Section: Councilor, 1991-2005; Central Regional Meeting Chair, 1995; Central Region Steering Committee, 1993-95; Section Chair, 1989 (Outstanding Performance as a Medium-Large Section); Chair-Elect, 1988; Secretary, 1987; Treasurer, 1986; Akron Polymer Conference Committee and Treasurer, 1986; SEED Committee Chair, 1984-85.

Member: American Association of Physics Teachers; American Physical Society. ACS Divisions: Polymer, Professional Relations.

#### **Treasurer (elect one)**

- Peter (Pete) M. Smith

Academic Record: University of Tennessee, Knoxville, B.S., 1997; University of Tennessee, Knoxville, Ph.D., 2000

Honors: Gleb Mamantov Graduate Chemistry Scholar, University of Tennessee, Knoxville, 2000; Franklin Postdoctoral Fellow, University of Georgia, 2000 – 2002; Research Site for Educators in Chemistry Fellow, University of Tennessee, Knoxville, 2005; McCandless Scholar, Westminster College, 2006-2007

Professional Positions: Associate Professor of Chemistry, Westminster College, 2008 – present; Assistant Professor of Chemistry, Westminster College, 2002 – 2008; Visiting Assistant Professor, University of Georgia, 2000 - 2002

Service in ACS National Offices: Younger Chemists Committee, Associate Member, 2007 - present

Service in ACS Offices: Penn Ohio Border Section: Member at Large, 2002 – 2005; Chair-Elect, 2005; Chair, 2006; Immediate Past Chair, 2007, Secretary, 2007 – present; ACS Examinations Institute Commit-

tee Member: General Chemistry, 2005; General Chemistry – Second Term, 2010

Member: American Chemical Society, Council on Undergraduate Research, The Minerals, Metals & Materials Society, Spectroscopy Society of Pittsburgh, Society of Analytical Chemists of Pittsburgh; ACS Divisions: Chemical Education, Industrial & Engineering Chemistry, Inorganic Chemistry, Professional Relations

#### **Councilor (elect one)**

- John Massingill

Academic record: Texas Christian University, B.A., 1963; M.A., 1965; Ph.D., 1968

Honors: Brazosport Section, ACS, Award for Outstanding Promotion of Science, 1990; Federation of Societies of Coatings Technology, Distinguished Lecturer, 1996 to 2000; Invited Lecturer, Science & Technology of Coatings, Tokyo, Japan, 1991; Sigma Xi; Dow Chemical Co. Fellowship, 1967.

Professional positions (for past 10 years): Texas State University, Institute for Environmental and Industrial Science, Center for Coatings and Biobased Technology, Director, 2000-; Eastern Michigan University, Coatings Research Institute, Director, 1993-2000 and acting-Director National Science Foundation Industry/University Cooperative Research Center in Coatings, 1997-98; Paint Research Associate Laboratories Inc., Exec. Dir., 1993-94; Dow Chemical Co., Texas Division, development associate, 1968-93

Service in ACS national offices: Committee on Public Affairs, Committee Associate, 2003-6, Committee on Committees, 1997-2001; Committee on Economic & Professional Affairs, 1996; Committee on Nominations & Elections, 1990-95, secretary, 1991-92; Advisory Board, ACS Books, 1989-92; Committee on Public Relations, 1984-91, chair, 1988-90; Committee on Membership Affairs, committee associate, 1989; Committee on Local Section Activities, 1982-83, Committee Associate, 1981; Committee on Environmental Improvement, Committee Associate, 1979.

Service in ACS offices: Member ACS since 1965. Division of Professional Relations: chair, 2001; coun-

cilor, 2003-present; Executive Committee, 2000-present. Division of Industrial & Engineering Chemistry: councilor, 1988-2001; alternate councilor, 1986-88; chair, 1987; chair-elect, 1986; Executive Committee, 1982-2003; founding member Industrial Bio-Based Technology Sub-Division, chair 2001-2002, Symposium Organizer 2001-2003; Membership Committee, chair, 1982-85; Education Committee, 1982-83. Division of Polymeric Materials: Science & Engineering: Membership Committee, chair, 1989-93; member-at-large, 1990-91; Organizer Tess Award Symposium, 2001. Brazosport Section: councilor, 1979-87; alternate councilor, 1988; chair, 1976; chair-elect, 1975; Public Relations Committee, chair, 1981; Education Committee, 1978; Hospitality Committee, chair, 1974; Nominations Committee, chair, 1971-73; Awards Committee, chair, 1971-73.

Member: American Oil Chemists Society; Houston Coatings Society; Federation of Coatings Societies; AAAS; Sigma Xi.

Related activities: American Oil Chemists Society, Founding Member of the Industrial Oil Products Division, 1998, Chair, 2004-2005; Program Committee, 1998-to date; American Oil Chemists Society and ASTM, Coordinating Committee for Drying Oil Standards, 1998 to date; ASTM, 1997 to date: D01 Coatings Committee; D01.21.51, Determination of Water by Near Infrared, chair, 1997 to date; D01.21.52A, Water Content by GC; D01.21.55, published numerous articles; holds 9 patents in monomers and resins; 2nd North American Research Conference on Coatings Science & Technology, 1992, program chair

#### **Alternate Councilor (elect one)**

- Linette M. Watkins

#### **Member-At-Large (elect three)**

- Michael J. Brownfield

Academic Record: BS Chemistry, Indiana Institute of Technology, 1967, MS Chemistry, University of Wisconsin, Madison, 1969.

Honors: Individual Technical Contributions 2007, Raytheon

Professional Positions: Lab Manager, Sr. Chemist, Raytheon NCS

Service in ACS National Offices: Division of Professional Relations Chair, Secretary, Member-at-Large; Local Section Activities Committee, Committee on Economic and Professional Affairs, Divisional Activities Committee, Membership Activities Committee, several Task Force assignments

Service in ACS Offices: Northeastern Indiana Local Chair, Secretary, Councilor

Member: American Society of Metals, Institute of Printed Circuits

- Mark Cesa

Academic Record: Princeton University, A.B., 1974; University of Wisconsin-Madison, M.S. 1977, Ph. D. 1979.

Honors: Sigma Xi.

Professional Positions: (for past ten years): INEOS Nitriles/Innovene, Process Chemistry Consultant, 2001 to date; BP Chemicals/BP Amoco Chemicals, Process Chemistry Research Manager, 1998 – 2001.

Service in ACS National Offices: Committee on Science, 2008; Committee on Chemical Safety, 2007-2008; Division of Professional Relations, Member-at-Large, 2006-2008; E. J. Murphree Award Canvassing Committee, 2001-2002.

Service in ACS Offices: Member ACS since 1975. Chicago Section: Vice Chair, 2007; Councilor, 2006-2008; Program Co-chair, 2009 Great Lakes Regional Meeting, 2006-present; Director, 2005-2006; Alternate Councilor, 2004-2005; Chair, Professional Relations Committee, 2004-present; Long-range Planning Committee, 2002-present; Chair, Topical Group Committee, 2002-2003; Treasurer, 2002. Cleveland Section: Chair, Awards Committee, 1998; Program Co-chair, 1998 Central Regional Meeting, 1997-1998; Past Chair, 1996; Chair, 1995; Chair-elect, 1994; National Chemistry Week Committee, 1994-1998; Chair, Organic Topical Group, 1989-1993; Program Chair, Meeting-in-Miniature, 1991-1993.

Member: International Union of Pure and Applied Chemistry (IUPAC): International Year of Chemistry

Management Committee 2008-present; Chair, Committee on Chemistry and Industry, 2006-present, Vice Chair, 2004-2005, Secretary, 2000-2005; Observer, 1997-1999; IUPAC Bureau, ex officio, 2006-present; Project Evaluation Committee, 2006-present; Statutes and Bylaws Revision Committee, 2006-2008. U.S. National Committee for IUPAC: Chair, 2005-2007; Member, 2003-2005; U.S. Delegation to IUPAC Council, 2001, 2005, 2007. ACS Divisions: Professional Relations, Industrial and Engineering Chemistry

- Jacqueline Erickson

Academic Record: University of Delaware, B.S. 1988; Rutgers University, M.S., 1999

Professional Positions: GlaxoSmithKline Consumer Healthcare, Senior Analytical Scientist, 1999-present, Analytical Scientist, 1988-1999

Service in ACS National Offices: Committee on Membership Affairs, 2006-2008; Committee Associate 2005; Women Chemists Committee, Committee Associate 2001-2005

Service in ACS Offices: Member ACS since 1988; North Jersey Section: Councilor, 2000-2008; Chair 2005; Chair-Elect 2004; Treasurer 2008-2010; Nominating Committee: 2005-2008, Younger Chemists Committee, Chair 2000-2003; Middle Atlantic Regional Meeting: Arrangements Chair, 2005

Member: American Association of Pharmaceutical Scientists, ACS Divisions: Analytical Chemistry, Chemical Information, Professional Relations

- Greg Ferrence
- Lynne Greenblatt

Academic Record: Rutgers University, B.S. 1973

Professional Positions: Wyeth Research, 1973 to date. Currently, Principal Research Scientist, Cheminformatics Group, Chemical and Screening Sciences.

Service in ACS National Offices: Committee on Economic and Professional Affairs, Member 2004 to date, Subcommittee Chair, Public Policy, 2006 to date. Division of Professional Relations, Member-at-Large, 2007 to date.

Service in ACS Offices: Member ACS since 1992. Princeton Section: Newsletter Editor, 1992-2001; Executive Committee member, 1992 to date.

Member: ACS Divisions: Chemical Information, Medicinal Chemistry, Professional Relations

- Robin J. Hood

Academic Record: Michigan State University, B.S., 1966; Wayne State University, Ph.D., 1973.

Honors: Detroit Section, ACS, Distinguished Service Award, 1988.

Detroit Section, ACS, Lifetime Achievement Award, 2003.

Professional Positions (for past ten years): Central Michigan University, Director: NMR and Associated Laboratories, 2006 to date; Michigan State University, Research Associate, 2003-2005, Department Administrator, 2000 to 2003; Wayne State University, Director, Central Instrumentation Facility, 1982-2000, and Assistant to the Chair, 1998-2000.

Service in ACS National Offices: Council Policy Committee (Voting), 1995-01; Bylaw Councilor, 2001; Committee on International Activities, 2006-08, Committee Associate, 2002-05; Committee on Economic and Professional Affairs, 1994-95; Committee on Professional Relations, 1990-93, Committee Associate, 1989; Joint Task Force on Sabbatical Leaves for Nonacademic Chemical Scientists, 1988-89; Younger Chemists Committee, 1976-79.

Service in ACS Offices: Member ACS since 1974. ACS Career Consultant, 2002 to date. Midland Section: co-Chair, Fall Scientific Meeting, 2006. Detroit Section: Councilor, 1987-00; Chair, 1985; Chair-Elect and Program Chair, 1984; Secretary, 1981-83; Chair, Education Committee, 1978-81.

Member: American Association for the Advancement of Science; American Physical Society; American Society for Mass Spectrometry; Analytical Laboratory Managers Association, President, 1999; Program Chair, 1998. ACS Division: Professional Relations.

- Keith Vitense

Academic Record: Black Hills State College, B.S., 1982; Oklahoma State University, Ph.D., 1988.

Honors: 2004 Chi Eta Sigma Chapter of PKP Distinguished Faculty Award; 2001 Cameron University Professor of the Year.

Professional Positions Professor, Cameron University, 1988-present; Faculty Intern, Halliburton Research Center, 2001.

Service in ACS National Offices: President's K-12 Education Taskforce (2001); Associate and Member of the Committee on Economic and Professional Affairs (2004-present); Chairman, CEPA Employment Services Subcommittee (2006-present); Associate and Member, Ethics Committee (2006-present); Committee on Awards (2006-present).

Service in ACS Local and Divisional Offices: Member ACS since 1982. Wichita Falls - Duncan Section: Secretary Treasurer (1989), Chair-Elect (1990), Chair (1991), Alternate Councilor (1992-1998), Councilor (1998-present). Division of Professional Relations: Teller Committee (1992 - 1993)

Member: Phi Kappa Phi; Phi Lambda Upsilon. ACS Divisions: Professional Relations; Chemical Education.

## Greening Your Office

John K. Borchardt

At the ACS Council session during August's national meeting, Executive Director Madeleine Jacobs announced ACS's renewed commitment to sustainability. The C&EN issue for August 18 carried several articles on sustainability on the macro scale of entire industries. However, there is also a lot each of us can do to reduce the waste we generate in our home and workplace offices and make them greener.

First, it's not hard to use a lot less paper if you create an effective filing system on your computer and store files electronically. Of course, you do need to back up these files. However, the availability of large capacity

flash memory drives ("memory sticks") has made this easier than ever. I've been able to eliminate the need for a file cabinet opening up additional floor space in my crowded home office.

While some people still prefer hardcopy photographs, I've come to prefer the electronic files I create using my digital camera or download from the Internet. Over the years I've created many 35 mm slides and transparencies for conference presentations and meetings with customers. It was time consuming but I converted the still current slides into electronic files.

Use recycled paper and recycle it. It's not difficult to find paper containing substantial recycled content. Recycling one ton of newspaper saves about 4,000 KWh of electricity. According to Wikipedia, this is equivalent to enough energy to heat and air-condition the average North American home for nearly almost six months.

Electronic waste: computers, printers, monitors and TVs, batteries and other sources is growing rapidly. We all can reduce this "e-waste" by recycling. Many recycling centers and some businesses hold special days during which the public can drive up and dispose of their e-waste. Dell and HP, and probably other companies I don't know about, have programs that enable people to send in their e-waste for recycling. The epa.gov website has information on where we can donate old office equipment and links to local government units that have e-waste programs. For example, Californians can visit [erecycle.org](http://erecycle.org),

Maybe, like me you don't live near a recycling center or collection bin and your trash collection service doesn't offer recycling. I bring in my paper (mostly from junk mail), cardboard boxes and cartons, aluminum cans and plastic bottles in to one of my consulting clients, which recycles all of these. Maybe you or some of your relatives have similar access. Also, some grocery stores recycle plastic bags.

Unplug electronic equipment when it is not in use. Electronic office equipment, TVs, and appliances consume substantial amounts of electricity when they are turned off but still plugged in. I have equipped my house with multiple outlet strips so clicking one switch can unplug several appliances simultaneously.

Equipping your office with a ceiling fan and raising your thermostat can reduce summer air conditioning bills. So can raising your thermostat for the entire house and then closing your office door and using a room air conditioner to cool just your office. Tinted windows, sunscreens or installing tinted film on existing windows can also reduce energy consumption. The first two options are expensive though. Installing more insulation in your attic will reduce air conditioning and winter heating energy use.

Raising your thermostat in summer and lowering it in winter will be more comfortable if you dress lightly in summer and wear a sweater in winter. This is amazingly simple but I see friends who wear long sleeves in summer and seldom wear sweaters in winter.

Saving energy also means saving money on your utility bills. So both you and our planet win!

### **Book Review: “Career Opportunities in Biotechnology and Drug Development,”**

Toby Freedman, 2008, Cold Spring Harbor Press, \$59  
Reviewed by Lisa M. Balbes

Current conventional wisdom for scientists concerned about their careers says “there are lots of jobs in the biopharma industry”, so you should look there for options. But what are those jobs? Written by Toby Freedman, a PhD molecular biologist who has moved into life sciences recruiting, this volume gives a comprehensive answer to that question. Along the way, she provides a detailed description of the discovery process.

The first 6 chapters of this book provide general career advice, giving an overview of what is expected in the biopharma industry, what it takes to succeed, how to write a resume, network, etc.

The second, and major, part of the book breaks the drug discovery enterprise down into its various stages, describes the role of each step in the process, and details positions available at each stage. The positions described range from those that require a PhD or MD, to those that are accessible to those with a college degree, and so on. Freedman describes the types of positions, typical job titles and career paths, roles and

responsibilities, typical tasks, and relative salaries and other compensation. She also describes in detail the pros and cons of each field, how to excel in the field, and what personal characteristics are most often found in those who succeed in that field. She predicts where the field is going and what job prospects will be like, and also talks about how to get started in each field. Finally, each chapter ends with recommendations for training, professional societies, and other resources.

### **Soft Skills Training:**

#### **Do you have what Employers want?**

ACS Careers has joined forces with Harvard Business Publishing to deliver 42 online business and professional advancement courses. The course library includes topics such as Career Management, Negotiating, Leading and Motivating, Presentation Skills, Strategic Thinking, Team Leadership, Time Management, and many other high-quality courses.

Look for more information at [www.acs.org/professionaldevelopment](http://www.acs.org/professionaldevelopment).

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## **PROF MEMBERSHIP APPLICATION – GIVE TO A COLLEAGUE!**

Join the ACS Division of Professional Relations – the member oriented division. In addition to enjoying a newsletter, special symposia and other programming, sponsorship of the prestigious Henry A. Hill Award, and other activities with your colleagues throughout the chemical profession, you will have the satisfaction of knowing that you are supporting the premier division within ACS that is concerned with the chemist rather than chemistry. All professional chemists belong in the Division of Professional Relations!

Send this form (or a photocopy) with \$10.00 annual dues, to the address below.

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ACS number (if known) \_\_\_\_\_

Mail to: Allison Aldridge, Secretary  
Division of Professional Relations, ACS  
2213 Twin Lakes Drive  
Atlanta, GA 30339-4123

Division of Professional Relations  
American Chemical Society  
648 Simmons Ave  
Kirkwood MO 63122