



ACS NEWS

The biannual newsletter for the American Chemical Society Division of Fluorine Chemistry

MESSAGE FROM THE CHAIR



As the dogwood trees are blooming, I send greetings from North Carolina to all of the fluorine community and readers of this newsletter. More than

ten years ago, I was introduced to the Division of Fluorine Chemistry, when attending the Winter Fluorine Conference in St. Pete Beach. Certainly, the scientific stimulation and the networking opportunities were unique, but what impressed me most about the Division was the welcoming atmosphere for a (then) relatively young attendee. Over the years I have made good friends among Division members and benefitted in so many ways, that I felt it was time to volunteer in this technical section of ACS. Never did I expect to become Chair of the Division! Well, having learned quite a bit as program chair over the past three years, I will continue to be grateful for help, as well as any of your comments and ideas. Our Division, especially as a smaller one, will require visibility, engagement and outreach. Be ensured, your contribution will be appreciated by young students, seasoned professionals and every member of our scientific community.

Let me begin this newsletter with congratulations to **Teruo Umemoto**, the **2014 ACS Creative Work in Fluorine Chemistry awardee**. An award symposium will be

held in Teruo's honor at the fall 2014 ACS National Meeting in San Francisco. The Division is very grateful to Honeywell, the sponsor of the award for many years. Starting with the year 2015, the **Juhua Group Technology Center** has agreed to finance this award for two years. This will be the first Chinese sponsor for an ACS Award, and the Division of Fluorine chemistry truly appreciates the support of this prestigious award through international partnership.

The Division is continuing its sponsorship of undergraduate research, as two **Moissan Summer Undergraduate Research Fellowships** have been awarded.

Outstanding applications were received in January 2014 and a standing committee had the difficult task to choose the two winning proposals. Congratulations to **Jean-François Paquin** at Université Laval and **David Vicic** at Lehigh University, whose undergraduate students will work on the "Synthesis of fluorine labeled dipeptide analogs as potential ^{19}F -NMR probes" and on "New reaction developments involving perfluorometallacyclobutanes."

In terms of Division officers some changes for 2014 have been already announced in the last newsletter: **Viacheslav Petrov** has volunteered as our program chair, and you can read his first report in this newsletter. At this point, please mark your calendars, as the Division will host three symposia at the

Continued on p. 2

VICE-CHAIR MEMBERSHIP REPORT

As of January 31st, 2014, there were 553 members of the fluorine division. The breakdown is as follows:

GROUP	COUNT	%
Division Affiliate	20	3.62
Emeritus Member	55	9.95
Regular Member	401	72.51
Regular Student Member	37	6.69
Retired Member	18	3.25
Society Affiliate	4	0.72
Student Member – Undergrad	18	3.25
TOTAL	553	100

Please join me in welcoming the newest members: **Robert Adams, Jiezhong Jin, Jamie Manson, Deepak Mehta, Satoru Narizuka, Christopher Tully and Roman Ostvald.**

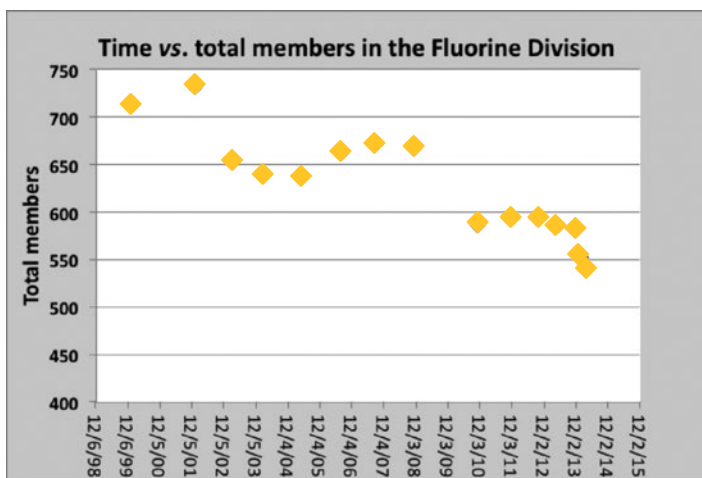
Continued on p. 2

VICE-CHAIR *Continued from p. 1* MEMBERSHIP REPORT



We continue to encourage current members to recruit students, postdocs, and early career fluorine chemists to join. Keep in mind when recruiting new members that there is **no fee for the first year** of membership in the Division, and after the first year the dues are quite modest (\$10 for ACS members and \$17 for non-members).

Our volunteer webmaster Phil Henderson just added copies of the old division newsletters dating back to the year 2000 (thanks Phil!) to the Division website, so I was able to harvest a decade and a half of membership data. The trend is clearly that we are slowly and consistently losing members over time with a slightly faster rate of loss recently.



If anyone has thoughts on how to reverse this trend please let the me and the other members of the Executive Committee know your thoughts and opinions. I do not think this trend is unique to the Fluorine Division. We need to emphasize the value of being a member of this division if we want new members to join us. The value of ACS membership is no longer just getting access to academic journals, since the vast majority of us now have free access through our places of employment. The most valuable thing I think we as a Division can offer is the social network of being connected to other fluorine chemists. Although we are the smallest of all 31 ACS divisions, we are the most international with 35% of our members residing outside of the USA. I think this is something we should be very proud of.

Thank you all for your efforts on behalf of the Division! If you have suggestions for strategies to maintain the members we have and/or bring in new members, please forward them to Chris Junk (christopher.p.junk@dupont.com) for consideration by the Executive Committee.

I hope to see many of you at the Fluoropolymers conference in San Diego in October, 2014. ■

MESSAGE FROM THE **CHAIR** *Continued from p. 1*

Fall 2014 ACS National Meeting. Furthermore, the annual Division of Fluorine's business meeting will be held in San Francisco on August 10th (**EC meeting**). **David Dixon** and **Joseph Thrasher** are serving as the Division's councilor and alternate councilor, respectively, ensuring that our voice is heard within the American Chemical Society. In Dave's report you may read about recent developments in ACS. Thanks to **Bob Syvret**, the Division's treasurer, we can afford to award two 2014 SURFs and have a stimulating program at meetings. Please read also **Christopher Junk's** detailed membership report and welcome the new Division members: **Robert Adams**, **Jiezhu Jin**, **Jamie Manson**, **Deepak Mehta**, **Satoru Narizuka**, **Christopher Tully** and **Roman Ostvald**. Last but not least, everybody who contributed to this newsletter was reminded by **Ralf Haiges** (Division secretary) to send in their reports on time. Furthermore, if you ever misplace your newsletter copy or accidentally delete your e-mail with it, you may find an electronic version on the Division of Fluorine webpage (www.fluorine.sites.acs.org) for the past ten years. I would like to thank **Philip Henderson** for keeping the webpage updated.

In closing, please do not hesitate to contact me by e-mail (metzkorn@uncc.edu) if you have any comments, concerns or questions. New ideas and improvements for the Division are also always welcome. As we have already had a productive first quarter of this year, I wish all of you on behalf of the Executive Committee of the Division a good and successful year 2014! ■

MARKUS ETZKORN
Chair, 2014

At the 247th ACS meeting in Dallas, TX the Division hosted two Symposia. Bob Syvret put together an excellent one day Symposium on Industrial Chemistry of Fluorinated Materials, highlighting current development and new trends in industrial chemistry of fluorine.

Bill Dolbier and Thomas Wenzel organized a Symposium in Honor of Bert E. Holmes, the first recipient of the ACS Award for Research at an Undergraduate Institution. This Symposium was co-sponsored by the Division of Physical Organic Chemistry.

The upcoming 248th ACS National Meeting in San Francisco, CA (August 10-14, 2014) promises to be very interesting for the fluorine community. The Division is sponsoring three Symposia at the Fall ACS meeting. We will honor Teruo Umemoto, the 2014 winner of the Award for Creative Work in

Fluorine Chemistry with an award symposium (organizers David O'Hagan, Bill Dolbier and Viacheslav Petrov). In addition, a four-day Symposium on the interface of fundamental and applied fluorine chemistry will honor Gary J. Schrobilgen's contributions to the field (organizers Michael Gerken, Karsten Koppe, Kazuhiko Matsumoto, Sebastian Riedel and Bob Syvret). Allan Packard, Gilles Tamaghan and Neil Vasdev put together one day Symposium on 18F radiochemistry.

As new Program Chair for the Division of Fluorine Chemistry, I would like to thank Markus Etzkorn, who did all preliminary organization work for Fall ACS meeting. On the behalf of the Division, I also would like to thank all Organizers of Symposia at upcoming ACS meeting for their dedication and hard work in putting together excellent programs.

NOTEWORTHY FLUORINE MEETINGS

248TH ACS NATIONAL MEETING IN SAN FRANCISCO, CA, AUGUST 10-14, 2014

- ACS Award for Creative Work in Fluorine Chemistry: Symposium in Honor of Teruo Umemoto (organizers David O'Hagan, Bill Dolbier and Viacheslav Petrov)
- Exploring the Frontiers of Fundamental and Applied Fluorine Chemistry: a Symposium in Honor of Gary J. Schrobilgen (interface of fundamental and applied fluorine chemistry will honor Gary J. Schrobilgen's contributions to the field (organizers Michael Gerken, Karsten Koppe, Kazuhiko Matsumoto, Sebastian Riedel and Bob Syvret)
- Fluorine-18 Radiochemistry (organizers Allan Packard, Gilles Tamaghan and Neil Vasdev)

14TH ACADEMIA-INDUSTRY FLUORINE MEETING, JULY 2-4, 2014

This conference combines the 14th Annual RSC Fluorine Group Postgraduate meeting with two further days of presentations by invited international speakers from academia and industry. It will be held at the University of St. Andrews, Scotland.

If you require any further information, please contact the conference organizers directly (Prof. David O'Hagan and Dr. Neil Keddie) <http://chemistry.st-andrews.ac.uk/fluorine/Welcome.html>

BORDEAUX FLUORINE DAYS, BORDEAUX, FRANCE, JULY 6-10, 2014

The 4th International Symposium on Organofluorine Compounds in Biomedical, Organic Materials and Agriculture Sciences ("Bordeaux Fluorine Days"). This symposium follows the successful editions held in Perugia, Italy (2001 and 2010) and Valencia, Spain (2012).

2ND INDIAN INTERNATIONAL SYMPOSIUM ON FLUORINE CHEMISTRY, HYDERABAD, INDIA, NOVEMBER 3-7, 2015

Registration for this symposium will open in the Fall of 2014

21ST INTERNATIONAL SYMPOSIUM ON FLUORINE CHEMISTRY, CERNOBBIO, COMO, ITALY, AUGUST 23-28, 2015

Registration for this symposium will open in the Fall of 2014

PACIFICHEM 2015, HONOLULU, HI, USA, DECEMBER 15-20, 2015

The Division is planning to organize two Symposia at this meeting.

18TH EUROPEAN SYMPOSIUM IN FLUORINE CHEMISTRY, KIEF, UKRAINE, 2016

22TH INTERNATIONAL SYMPOSIUM ON FLUORINE CHEMISTRY, OXFORD, UK, 2018 ■

The fiscal state of the Division of Fluorine Chemistry continues to be very strong thanks mostly to strong fundraising efforts for Fluorine Division sponsored symposia. The Table below provides a snapshot view of the Division's assets as of 31 March 2014 and the comparative numbers for a year prior, 31 March 2013.

ASSETS (as of 31 March 2014)

	(\$) as of 31 March 2013	(\$) as of 31 March 2014
WELLS FARGO BANK ACCOUNT	\$42,246	\$47,271
AMERIPRISE FINANCIAL SPS ADVANTAGE ACCOUNTS:		
Moissan SURF Fund	\$83,250	\$93,315
Long-term Investment Account	\$143,974	\$147,245
TOTAL ASSETS	\$269,470	287,831
Percent change		+6.8%

The Division's total assets have increased approximately 6.8% over the course of the 12 month period ending March 31, 2014. This increase is mostly due to an appreciation of investment assets as well as an accumulation of corporate donations for programming at the Fall ACS National Meeting to be held in San Francisco, August 2014.

FINANCIAL HIGHLIGHTS/OUTLOOK FOR THE DIVISION FOR FISCAL YEAR 2014:

> The Division will award 2 Moissan Summer Undergraduate Research Fellowships in the amount of \$6,000 each to Professors Jean-François Paquin (Laval University) and David Vici (Lehigh University).

- > The Division will provide \$18,000 in financial support to 3 Fluorine Division Symposia to be held at the Fall ACS National Meeting in San Francisco.
- > The Division provided \$500 in support to the ACS Division of Chemical Education to support the GSSPC Symposium held at the ACS National Meeting in Dallas, March 2014. ■

NOW AVAILABLE FOR PURCHASE

HENRI MOISSAN DOCUMENTARY



DURING THE SPECIAL HENRI MOISSAN SESSION AT THE 17TH ESFC IN PARIS in July 2013, a film about “the life and achievements of Henri Moissan and the future of his discoveries” was shown. The 20-minute film contains many original documents and interviews. It is available for purchase on DVD and should be of general interest to the members of the Fluorine Community.

Division members interested in purchasing the film should contact the film's director **M. D. Bour** (A3V Studios, 1 avenue des bleuets, 77124 Penchard, France) at daniel.bourlevrai@free.fr or, alternatively, the co-director **M. Jean Trouchaud** at trouchaud.jean@wanadoo.fr.

THE PRICE IS 15 EURO + SHIPPING FEES. ■

Peter K. Dorhout and William A. Lester, Jr. are the candidates for 2015 President-Elect. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election. Pat N. Confalone and Anne S. DeMasi are the District III candidates; and Paul W. Jagodzinski and Lee H. Latimer are the District VI candidates. Ballots will be mailed on or before October 10, 2014 to all ACS members in District III and District VI for election of a Director from each District. The following candidates for Directors-at-Large for a 2015-2017 term are: Dawn A. Brooks, William F. Carroll, Jr., Barbara A. Sawrey, and Ellen B. Stechel. The election of two Directors-at-Large from among those candidates and any selected via petition will be conducted in the fall. Ballots will be mailed to the Council on or before October 10, 2014.

As part of a regular performance review, the Council VOTED unanimously to continue the Committees on Chemical Safety, on Chemistry and Public Affairs, and on Minority Affairs. Continuation of these three committees requires Board concurrence.

The Council voted to set the member dues for 2015 at the fully escalated rate of \$158. This rate is established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws.

After voting to postpone its implementation by one year, the Council voted to approve a revised formula for allocating dues funds to divisions. This formula, which was presented by the Committee on Divisional Activities, will be effective with allocations for 2015 division performance. This will increase the Fluorine Division (a small division) allocation by about 6.77% so that we should be able to schedule an additional section at an ACS National Meeting.

On recommendation of the Committee on International Activities and subject to the concurrence of the Board of Directors, the Council voted to approve petitions to charter the South Korea International Chemical Sciences Chapter and the Malaysia International Chemical Sciences Chapter.

In 2013, ACS generated a Net from Operations of \$15.1 million, which was \$2.0 million favorable to the budget. This represents the Society's tenth consecutive year of positive operating results. Total revenue was \$490.5 million, which was \$8.8 million (or 1.8%) lower than budget, and essentially flat when compared with 2012. The result was largely attributable to cost containment measures throughout the ACS.

Unrestricted Net Assets rebounded in 2013, rising to \$207 million, and more than doubling from the 2012 level.

The Committee on Education (SOCED) approved a pilot program to form ACS International Student Chapters. The Membership Affairs Committee (MAC) authorized an individual member test for India to allow for a \$52 full Member dues rate for 2014. At this meeting, MAC extended the test to include new and renewing members in India for three years.

As of March 19, 2014, the ACS spring national meeting had attracted 13,680 registrants, including 6,853 regular attendees and 5,140 students. The meeting had 10,050 papers presented. The new ACS Mobile Application had over 6,000 downloads by meeting attendees. The author index in the hard program meeting program book beginning with the spring 2015 meeting will be eliminated. The searchable author index is now available via the mobile application and other electronic means.

The Multidisciplinary Planning Group is proposing the following **2017** national meeting themes to the divisions for their consideration: **Spring**, San Francisco: *Advanced Materials, Technologies, Systems and Processes* and **Fall**, Washington, DC: *Chemistry's Impact on the Global Economy*

In Fall 2013, Constitution and Bylaws (C&B) announced a new optional process for expedited Section and Division bylaw reviews, offering limited customization but faster than the current three month turnaround. C&B has now created a new, easier way for local sections and divisions to prepare bylaw revisions for C&B review. They are not as restrictive as those permitted through the expedited process. After a unit indicates its willingness to update its bylaws, C&B would then offer to create a first draft of proposed bylaws changes for consideration by the unit. Alternatively, the unit may still propose its own draft changes for C&B review.

Chemical Safety (CCS) has published its first-ever Safety Alert concerning the Rainbow Demonstration, in *Chemical and Engineering News*, March 17, 2014.

Madeleine Jacobs, Executive Director and Chief Executive Officer, announced on March 6, 2014 her plan to retire at the end of 2014. A search for her replacement is underway. ■

AMERICAN CHEMICAL SOCIETY
DIVISION OF FLUORINE CHEMISTRY

- NEW MEMBERSHIP APPLICATION
 RENEWAL
 CHANGE OF ADDRESS

Name: (PROF. / DR. / MR. / MS.) _____

Employer: _____

Address: _____

Business Phone: _____ Fax: _____

Home Phone: _____ E-mail: _____

ALL OF THE ABOVE INFORMATION WILL BE INCLUDED IN THE DIVISION'S DIRECTORY, WHICH IS SENT TO ALL MEMBERS IF YOU OPT-IN. PLEASE CHECK ONE BELOW:

- I AGREE TO HAVE MY INFORMATION PUBLISHED IN THE FLUORINE DIVISION MEMBERSHIP DIRECTORY.
 I DO NOT CHOOSE TO HAVE MY INFORMATION PUBLISHED IN THE FLUORINE DIVISION MEMBERSHIP DIRECTORY.

CURRENT MEMBER OF ACS? YES NO

IF YES, MEMBERSHIP NUMBER: _____

NEW MEMBERS OF THE FLUORINE DIVISION WILL HAVE THEIR DUES WAIVED FOR THE FIRST YEAR ONLY. THE RENEWAL DUES FOR 2014 ARE \$10.00 FOR ACS MEMBERS AND \$17.00 FOR NON-ACS MEMBERS (FOREIGN MEMBERS: PLEASE MAKE SURE THAT YOUR CHECK IS IN U.S. DOLLARS DRAWN ON A U. S. BANK.) TO MAKE A PAYMENT BY CREDIT CARD PLEASE CONTACT THE TREASURER, BOB SYVRET, AT SYVRETRG@AOL.COM

Dues Enclosed: \$ _____

PLEASE SEND FORM TO:
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Wilmington, DE 19880
USA

Preferred method of return is electronic to Christopher Junk: Christopher.PJunk@usa.dupont.com



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THE BIENNIAL
NEWSLETTER FOR
THE AMERICAN
CHEMICAL SOCIETY
DIV. OF FLUORINE
CHEMISTRY

2014 Individual Subscription rate for the Journal of Fluorine Chemistry (Elsevier Publishing) is \$222 for ACS members.

For further information please contact Natalie Steffen by email at n.steffen@elsevier.com.

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