

DIVISION OF FLUORINE CHEMISTRY

AMERICAN CHEMICAL SOCIETY

Spring Newsletter

June 2007

Message from the Chair

Dear colleagues, I bring warm greetings from Los Angeles! I would like to welcome our newest members of the Executive Committee. **Viacheslav A. Petrov** has joined us as our Vice-Chair/Programs. I also welcome **Joseph Thrasher** and **Gary Schrobilgen** back to the Executive Committee. We say goodbye and thanks to our outgoing Executive Committee members **Charles Martin**, **Richard Fernandez** and **Chris Hewitt**. Special thanks to **P. V. Ramachandran**, Immediate Past Chair of the Fluorine Division, for his energetic contributions over the past year as the Division Chair and as Vice-Chair/Membership for the previous three years.

We had an exceptionally successful **18th Winter Fluorine Conference** in St. Pete Beach, Florida, in January, 2007, organized by Viacheslav A. Petrov (Chair) and P. V. Ramachandran (Co-Chair). The multidisciplinary theme format attracted close to 210 participants from around the world (see program chair's report). **Kenji Uneyama** from the Okayama University, Japan, received the **2007 American Chemical Society Award for Creative Work in Fluorine Chemistry** at the conference. His award presentation, titled "*How to Activate a Strong C-F Bond? Solution for Synthetic Chemistry*" was presented at the awards banquet. **Bruce Smart** was awarded the Fluorine Division's biennial **Distinguished Service Award** for his yeomen service to the division and the field of fluorine chemistry. My heartfelt congratulations to both award recipients. Also my congratulations to Student Poster Award Winners, **Scott Iacono** (mentor: Dennis Smith), **Peter Hallac** (mentor: Darryl DesMarteau), **Akira Isobe** (mentor: Kenji Uneyama) and **Patrina Pellet** (mentor: Ken Kirk). The **19th Winter Fluorine Conference** will take place in Florida in January 2009; the organizers are P. V. Ramachandran (Chair) and Charles Martin (Co-Chair). The division will also host the **19th International Symposium on Fluorine Chemistry**, August 23-28, 2009 at Jackson Hole, Wyoming under the leadership of Joseph Thrasher, Olga Boltalina, Steven Strauss and Richard Fernandez.

A successful award symposium in honor of Kenji Uneyama was organized at the Chicago ACS Meeting in March by W. R. Dolbier, Jr., T. Itoh, P. V. Ramachandran and I. Twenty-one excellent papers were presented. A special issue of the *Journal of Fluorine Chemistry* honoring Kenji Uneyama and his achievements will appear in 2007. A thematic symposium titled “*Fluorine and Energy*”, organized by P. V. Ramachandran and I, also attracted many participants and attendees. The division is grateful to all the participants, organizers and sponsors.

The Annual General Business Meeting of the Division took place during the 18th Winter Fluorine Conference in January 2007 to approve the Treasurer’s report and a slate of candidates for election to the Division’s Executive Committee to be held next fall. I would like to thank **Bob Syvret** for keeping the Division in a sound financial state.

The Fluorine Division is proud to sponsor the annual Moissan Summer Undergraduate Research Fellowship; the call for the fellowships to be tenured in 2008 will appear in the Fall 2007 *Newsletter, Chemical and Engineering News*, and the *Journal of Fluorine Chemistry*. The awardees for this year are: **Alvin A. Holder** (University of Southern Mississippi,) **Jin K. Montclare** (Polytechnic University, Brooklyn), and **Chad E. Stevens** (Augusta State University). The current Moissan funding amount for the Summer Undergraduate Research Fellowship is \$3,500. I wish the student beneficiaries the very best in their research this summer.

To maintain the current number of fellowships at the increased stipend level, we need to campaign aggressively to increase the **Moissan Summer Undergraduate Research Fellowship in Fluorine Chemistry Fund**. I call on the members of the Division and the industrial sponsors to support the current donation drive to reach the goal of \$150,000 (see Treasurer Report). It is our objective to establish a self-sustaining investment pool (managed by the Fluorine Division) from which the annual Moissan Summer Undergraduate Fellowships can be provided. In 2007, three Moissan Fellowships have been awarded by the Division. We hope that you and/or your organization will find the means to contribute to this important outreach program of your Division and equally important investment in the future of fluorine chemistry. Contributions should be directed to the Fluorine Division's Treasurer, **Bob Syvret**. Please visit the Fluorine Division website for details.

The Fluorine Division website continues to be an extremely useful source for all matters pertaining to Fluorine Chemistry. We thank **Phil Henderson**, the site's Webmaster, for the considerable effort he has expended in maintaining the website. The website contains, among other items, past newsletters, annual reports to the ACS, listings of officers, membership information and upcoming meetings, programs, and abstracts for the 18th Winter Fluorine Conference, and the new Fluorine Division Bylaws and Executive Committee Operations Manual. Check it out if you have not done so recently (<http://membership.acs.org/F/FLUO>).

It is still our main priority to increase the membership of the Division, and I request that each current Division member attempt to recruit at least one new member this year. Membership application forms may be obtained from the Division’s website. Please send completed membership forms to the Membership Chair, **Vadim Soloshonok**. Remember, the first year of membership in the Division is free!

I was delighted and humbled to be recognized by the Southern California Section of the American Chemical Society by receiving the **2006 Tolman Award**. We wish to continue to

recognize the awards that our members receive, as part of our newsletter. Please let the Secretary of the Fluorine Division or me know when you or a member colleague receive an award or other form of recognition, so that we can let our members know of the honor. We would also like to acknowledge new faculty appointments in fluorine chemistry in our newsletters, so please let us know of those, as well.

If there are concerns or questions that you have regarding the Fluorine Division, please send me an e-mail. If there are items that you would like to have considered for inclusion in the *Newsletter*, please do the same. The 2007 Fall ACS National Meeting in Boston in August will feature several symposia in Fluorine Chemistry (see Program Chair's Report). I hope to see you there.

G. K. Surya Prakash
Chair, 2007

Treasurer Report

ACS Division of Fluorine Chemistry Treasurer's Report as of December 30, 2006

The fiscal state of the Division of Fluorine Chemistry continues to be very strong. The Table below provides a snapshot view of the Division's assets as of 30 December 2006 and the comparative numbers for a year ago.

The Division's total assets have increased nominally (2.9 %) over the course of the 12 months ending December 2006. This increase is due, for the most part, to appreciation of invested funds.

ASSETS (as of 30 December 2006)

	(\$ as of 30 December 2005)	(\$ as of 30 December 2006)
ACS Investment Pool (market value)	117,928	125,000 (estimated)
Wachovia National Bank	17,198	8,584
American Express SPS Advantage Account		
Moissan SURF Fund	69,426	76,873
Total Assets	204,552	210,457
percent change		2.9%

Other financial highlights for the Division for Fiscal Year 2006 include:

- The Division provided \$3,798 in support of the "*Current Directions in Inorganic Fluorine Chemistry*" symposium that was held during the ACS National Meeting in Atlanta in March, 2006.
- The Division provided \$3,750 in support to the "*Fluorine in Heterocycles*" symposium that was held during the ACS National Meeting in San Francisco in September, 2006.
- For the first time ever, the Division sponsored an event at an ACS regional meeting by providing \$2,500 in support to the one-day "*Advances in Fluorine Chemistry*"

symposium that was held during SERMACS (SouthEastern Regional Meeting of the ACS) in Augusta, GA in November, 2006.

- The Division of Fluorine Chemistry provided four Moissan SURF Awards of \$2,500 each for summer undergraduate research in 2006.
- The Division's Executive Committee voted to increase Moissan SURF Awards to \$3,500 each for 2007.

The outlook for Fiscal Year 2007:

- The Division was the primary sponsor and provided financial support to the operation of the 18th Winter Fluorine Conference.
- The Division provided financial support to speakers at the ACS National Meeting in Chicago participating in the Symposium to honor Professor Kenji Uneyama.
- The Division has awarded three Moissan Summer Undergraduate Research Fellowships in the amount of \$3,500 each.
- The Division will sponsor programming at the Fall ACS National Meeting in Boston.

Vice-Chair/Membership Report

As of April 1, 2007, the Division had 677 members (18 new). We thank all of you who promoted our Division and helped us to retain members and recruit new members. We welcome any suggestions for activities that will help maintain and, most importantly, expand our membership.

If you wish to receive and have your name and contact information included in future Membership Directories, you will need to fill out an Opt-In Form (included in this newsletter, and also posted on the Fluorine Division's website). This needs to be done only once in a lifetime. If you wish to change or correct your contact information, please contact Vadim Soloshonok at vadim@ou.edu.

We continue to urge every member to actively recruit new members for the Division in our "**Member-Get-A-Member Campaign**" so as to achieve our goal of becoming a medium-size division. We would like to remind you that the first year of membership is free of charge, so please advise all your graduate students to enroll.

We welcome the following new members (from January 1st though April 1st 2007): **Abugri D. Azumah, Lee G. Sprague, Bernard E. Pointner, Yumei Yang, Yunke Zhang, Jeanne Stewart, Fredrick A. Owuor, Vsevolod V. Rostovtsev, Charles K. Marlowe, Pavel A. Zaikin, Thomas D. Hickman, Jurgen Kramer, Al Montgomery, Alexander A. Kolomeitsev, Sudharsanam Ramanathan, Andrew J. Poss, Chris McDonald, and William D. Harmon.**

Division Councilor Report, 233rd ACS National Meeting

The ACS Council Meeting was held on Wednesday, March 28, 2007 in Chicago, IL. In addition to the Council Meeting, I also participated in the Joint Board-Council Committee on Science Meeting on Saturday, March 24, 2007. Detailed below are some points of interest and information from the Council Meeting.

The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2008: Pat N. Confalone, Thomas H. Lane, William A. Nugent, and Howard M. Peters. Each candidate gave a short presentation to the Council. By written ballot, the Council selected Thomas H. Lane and Howard M. Peters as candidates for 2008 President-Elect. These two candidates will stand for election in the Fall National Election.

As part of a regular review, the Council voted to continue the Committee on Science, the Women Chemists Committee, and the Younger Chemists Committee - subject to concurrence by the Board of Directors.

The Council received three amendments to the ACS Bylaws (Petitions) for action: the Petition on Election Procedures 2006, the Petition on Rules for Nominating Members of N & E (Nominations and Elections Committee) for National Offices, and the Petition on Multi-Year Dues.

The Council voted to split consideration and action on the Petition on Election Procedures 2006 into two parts: Part 1 changes the timing of run-off elections and specifies an election process for situations in which only one Director-at-Large position is open. Part 2 addresses consistency in national election procedures. It proposes changes to standardize the petition and election process for President-Elect and all Director positions based on percentages of voting members. It replaces language specifying a required absolute number of petition signatures for nomination of candidates for President-Elect, and Director-at-Large with language specifying a higher requirement for petition signatures as a percentage of the membership for nomination of candidates for these offices.

The Council voted to accept Part 1. For Part 2, the Council voted to recommit this petition back to the Committee on Nominations and Elections and ask that they reconsider the signature requirements, procedures for processing electronic signatures, and those suggestions arising from the Governance Review Task Force pertinent to election procedures.

The Petition on Rules for Nominating Members of N & E for National Offices establishes a one-year waiting period following service on the Committee on Nominations and Elections before an individual can be nominated for District Director, President-Elect or Director-at-Large. The Council voted by recorded vote to defeat this petition.

The Council voted to accept the Petition on Multi-Year Dues. This petition will allow members paying full dues without any of the discounts to pay for periods of two or three years if they wish, at a rate equal to two or three times the rate for a one-year period. Council also voted to make this petition effective when technical components are instituted to offer and track the payments, but no later than January 1, 2010.

The Board of Directors will vote within 90 days on whether to ratify the approved petitions.

The Council voted to set the members dues for 2008 at the fully escalated rate of \$136. This rate is established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws.

The Society ended 2006 with a net contribution from operations of \$12.2 million on revenues of \$424.0 million and expenses of \$411.9 million, which was \$7.8 million favorable to the approved budget.

As of March 27, 2007, the ACS National Meeting had attracted 14,520 registrants as follows: Regular attendees 7,152; Students 5,059; Exhibitors 1,283; Exposition only 573; and Guests 453.

For those of you who like to plan ahead, the Council voted to approve dates and sites for the 2017 National Meetings as follows: April 2-6, San Francisco, California and September 10-14, St. Louis, Missouri.

The Council voted to establish the Snake River Local Section with headquarters in Boise, ID. This brings the total number of local sections to 190.

ACS closed 2006 with 160,491 members, the highest year-end membership since 2002. Of the 17,857 applications processed in 2006, more than 1,000 came from the Member-Get-A-Member campaign.

The Council voted to approve the Chemical Professional's Code of Conduct as submitted by the Committee on Economics and Professional Affairs. This document offers guidance for Society members in various professional dealings, especially those involving conflicts of interest.

The Committee on Nominations and Elections announced the results of the election to select candidates from the list of nominees to represent District II and District IV on the Board of Directors for the term 2008-2010. Nominees for District II included: Robin J. Hood, Joseph R. Peterson, Diane Grob Schmidt, and Steven W. Yates. Nominees for District IV included Paul F. Barbara, Eric C. Bigham, John P. Facklar, Jr., and Gregory H. Robinson. By mail ballot, the councilors from these districts selected Joseph R. Peterson and Diane Grob Schmidt as District II candidates; and as District IV candidates, Eric C. Bigham and Gregory H. Robinson. Ballots will be mailed on or before October 10th to all members in District II and District IV for election of a Director from each District.

The Committee on Nominations and Elections announced the selection of the following candidates for Director-at-Large for a 2008-2010 term: Janan M. Hayes, Helen A. Lawlor, Kent J. Voorhees, and Frankie K. Wood-Black. The election of two Directors-at-Large will be conducted in the fall. Ballots will be mailed on or before October 10th.

Vice-Chair/Programs Report

18th Winter Fluorine Conference, St. Pete Beach, Florida, January 14-19, 2007

The 18th Winter Fluorine Conference (Dr. Viacheslav Petrov, Chair, and Professor P.V. Ramachandran, Co-Chair) took place in St. Pete Beach, Florida and was a great success. "Fluorine: Enabling Element of Modern Chemistry" was the main theme. The Conference attracted 208 participants from around the world. Sixteen plenary lectures, 49 invited papers, and 38 posters covering different aspects of modern fluorine chemistry were presented at the meeting. The organizers thank all participants, session chairs, and members of the Scientific Advisory Board for their help. Poster presentations were of high quality. The presentations by

Scott Iacono (mentor: Dennis Smith) and Peter Hallac (mentor: Darryl DesMarteau) received the student poster awards (sponsored by SynQuest Laboratories).

This year two additional poster presentations by Akira Isobe (mentor: Kenji Uneyama) and Patrina Pellet (mentor: Ken Kirk) received a special award of 18th Winter Fluorine Conference.

The 2007 ACS Award for Creative Work on Fluorine Chemistry (sponsored by Honeywell) went to Professor Kenji Uneyama, Okayama University, Japan. Professor Kenji Uneyama gave a highly interesting award lecture, titled "*How to Activate Strong C-F Bond? Solution for Synthetic Chemistry*". Dr. Bruce Smart received the Division of Fluorine Chemistry Distinguished Service Award. Vernar Beatty and Laura Barnhart from ACS did an outstanding job in organizing 18th WFC. The generous financial support from industrial sponsors, exhibitors, and the Petroleum Research Fund of the American Chemical Society is greatly appreciated. The meeting would not have been the same without the Hospitality Suite, once again sponsored by Oakwood Products, which was open every night and kept attendees happy and cheerful.

At 233rd ACS meeting in Chicago IL, March 25-29, 2007

The Fluorine Division had two back-to-back Symposia at the 233rd ACS meeting. A symposium titled "*ACS Award for Creative Work in Fluorine Chemistry: Symposium in Honor of Professor Kenji Uneyama*" was organized by W. R. Dolbier, Jr., T. Itoh, G. K. Surya Prakash, and P. V. Ramachandran. Twenty-one speakers participated in this excellent meeting. A one-day symposium, "*Fluorine and Energy*", organized by P. V. Ramachandran and G. K. S. Prakash, featured eight very interesting presentations that covered applications of fluorinated materials in the field of energy production.

Upcoming Meetings

234rd ACS National Meeting, Boston, MA August 19-23, 2007

Professor Giuseppe Resnati, Milano Politecnico, Milano, Italy, is organizing a symposium titled "*Nanostructured Fluorocarbons: Smart Tectons for Self-Assembly*" and has already lined up more than 20 speakers, and started fund-raising for the meeting.

Professor Alain R. Tressaud, Institute of Condensed Matter Chemistry, CNRS University, Bordeaux France; Professor Boris Žemva, Jožef Stefan Institute, Ljubljana, Slovenia; Dr. Hélène P. A. Mercier and Professor Gary J. Schrobilgen, McMaster University, Canada are putting together the program for a symposium titled "*Novel Bonding and Structural Modalities in Inorganic Fluorine Chemistry*" that will honor Professor Neil Bartlett, the discoverer of noble-gas reactivity, on the occasion of his 75th birthday. The event will occur during the 45th year since the discovery of the first noble-gas compound " $\text{Xe}^+\text{PtF}_6^-$ " and will take place on **August 21 and 22**.

Please visit the ACS meeting website for the program of both symposia and further information: <http://oasys.acs.org/acs/234nm/fluo/program.html>.

**15th European Symposium on Fluorine Chemistry, Prague, Czech Republic
July 15-20, 2007**

Organizers:

Professor Oldrich Paleta (Chairman) and Professor Jaroslav Kvicala (Secretary), Institute of Chemical Technology, Prague are the main organizers of the meeting.

For more information, visit the 15th European Symposium on Fluorine Chemistry website (<http://www.vscht.cz/15esfc>) or write to 15esfc@vscht.cz.

**19th Winter Fluorine Conference, St. Pete Beach, FL
January 11-16, 2009**

Organizers:

P. V. Ramachandran (Chair) and Charles Martin (Co-Chair).

**19th International Symposium on Fluorine Chemistry (co-sponsored by the ACS Division of Fluorine Chemistry), Jackson Hole, WY
August 23-28, 2009**

Organizers:

Joseph S. Thrasher, Chair (University of Alabama, Tuscaloosa)

E-mail: fluorine@bama.ua.edu

Olga V. Boltalina, Co-Chair (Colorado State University)

E-mail: ovb@lamar.colostate.edu

Steven H. Strauss, Co-Chair (Colorado State University)

E-mail: steven.strauss@colostate.edu

Richard E. Fernandez, Co-Chair (University of Alabama, Tuscaloosa)

E-mail: fernanre@msn.com

The Division expresses deep gratitude to all organizers.

**Special Offer on Subscriptions to the Journal of Fluorine Chemistry for
Members of the Division of Fluorine Chemistry**

Members of the Division are normally offered a substantially discounted subscription rate for the Journal of Fluorine Chemistry. As of the time scheduled for printing and mailing of the newsletter, current subscription rates have not been received from the publisher, Elsevier. Please check the Division's website in the near future for an order form and current rates.

AMERICAN CHEMICAL SOCIETY: DIVISION OF FLUORINE CHEMISTRY

NEW MEMBERSHIP APPLICATION (Please check box or boxes)
RENEWAL
CHANGE OF ADDRESS

NAME: _____
(Dr. / Mr. / Mrs. / Ms.)

EMPLOYER: _____

ADDRESS: _____

BUSINESS PHONE: _____ FAX: _____

HOME PHONE: _____ E-MAIL: _____

(By signing this form you agree that any information included above can be published, either electronically or in print, in the division's directory, which is sent to all members)

CURRENT MEMBER OF ACS? YES NO

ACS MEMBERSHIP NUMBER: _____

CURRENT MEMBER OF DIVISION OF FLUORINE CHEMISTRY? _____

(NEW MEMBERS OF THE FLUORINE DIVISION WILL HAVE THEIR DUES WAIVED FOR THE FIRST YEAR ONLY. THE RENEWAL DUES FOR 2007 ARE \$10.00 FOR ACS MEMBERS; \$17.00 FOR NON-ACS MEMBERS)

FOREIGN MEMBERS: PLEASE BE SURE THAT YOUR CHECK IS IN U.S. DOLLARS DRAWN ON A U.S. BANK. THE SECRETARY-TREASURER WILL ACCEPT U.S. CURRENCY, AT YOUR RISK, OR CREDIT CARD CHARGES IN LIEU OF A CHECK.

DUES ENCLOSED: \$ _____

TO CHARGE YOUR DUES TO A CREDIT CARD, PLEASE COMPLETE THE INFORMATION BELOW:

CARD NAME: _____
(American Express, MasterCard, Visa)

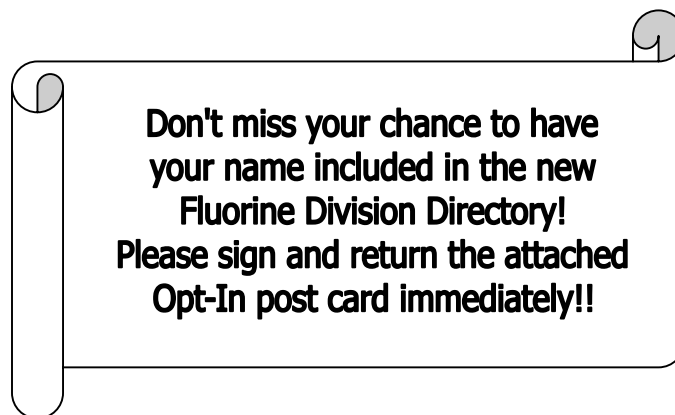
ACCOUNT NUMBER: _____

EXPIRATION DATE: _____

SIGNATURE: _____

(All forms must be signed)

Send the completed form to: Dr. Vadim A. Soloshonok, Vice-Chair/Membership
University of Oklahoma
Department of Chemistry
620 Parrington Oval, Room 208
Norman, Oklahoma 73019-3051
FAX : (405) 325-6111



In an effort to assist the Fluorine Division in the important endeavor of the publication of its membership directory, we are asking you to indicate your desire to be included in such a directory. To protect both your professional and personal privacy, you will be included in this directory **only** if you so indicate on the **post card attached to this Newsletter or through the Opt-In Form posted on the Fluorine Division's website.**

No response from you will be considered a "no".

Members who have already responded to this question need not return this form. If you are not sure whether or not you have previously provided your consent to be included in the membership directory, please fill in and return this post card anyway.

Directory information will be limited to your name, preferred address (work or home), city, state, postal code, e-mail address and work phone number (or home phone number if no work number is available and no objection to the use of this number is raised by the member). These directories will be made available only to current members of the Fluorine Division who choose to participate in the program.

Note: Please send any changes in your contact information (mailing address, phone number, FAX and E-mail address, etc.) to **vadim@ou.edu** or fax to: Vadim A. Soloshonok @ (405) 325-6111

**American Chemical Society Division of Fluorine
Chemistry Membership Directory Opt-In Form**

Name: _____

____ 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

Note: Please send any changes in your contact information
(mailing address, phone number(s), FAX and E-mail
address, etc.) to

vadim@ou.edu

Signature: _____ Date: _____

You may also FAX this form and changes in contact information to
Vadim A. Soloshonok @ (405) 325-6111

Affix
Postage
Here

FROM: _____

TO: Dr. Vadim A. Soloshonok
Department of Chemistry
University of Oklahoma
620 Parrington Oval, Room 208
Norman, OK 73019-3051
USA