

SPRING NEWSLETTER

June 2013

MESSAGE FROM THE CHAIR

Greetings from British Columbia, Canada!

I am truly humbled and also honored to serve the Fluorine Division for this year. It is the people of this division that encouraged me to pursue a career in fluorine chemistry in the first place. I remember when I was first a graduate student and read the many wonderful journal articles about the people in this division and how they contributed to our society around the world. What a difference it made to connect with a like-minded group of people at a fluorine-based conference; not only talking about the research but also learning from their life stories! I would like to challenge the Fluorine Division with two items this year. 1) Connect with a new person this year. It is always easier to connect with old friends and colleagues at a conference, but take the time to connect with one new person and introduce them to your circle of colleagues. 2) Challenge each other in your research. Find ways to build new research bridges and to encourage each other.

This issue of the newsletter contains several important items of special note. The ballot for the election of the division officers is included in this issue. The voting this year will be conducted by e-mail. We have an excellent slate of candidates again this year and the election slate was approved by the division at the 21st Winter Fluorine Conference. Please vote.

The Fluorine Division is proud to continue sponsoring the Moissan Summer Undergraduate Research Fellowship. Congratulations to the awardee of the 2013 Moissan SURF:

- **Ms. Cortney von Hahmann** (Supervised by David O'Hagan at University of St. Andrews)

Please make note that the **NEW deadline for 2014 Moissan SURF is Jan 31, 2014**. More Details will be given in the Fall newsletter.

The 21st Winter Fluorine Conference was another success thanks to the Conference Chair **Michael Gerken** and Co-chair **Stephen DiMagno**. The 2013 ACS Award for Creative Work in Fluorine Chemistry, sponsored by **Honeywell** was awarded to **Iwao Ojima** (State University of New York at Stony Brook) for his pioneering and creative research in synthetic methodology and biomedical applications. In addition, The Divisions of Fluorine Chemistry Distinguished Service Award was given to **Joseph Thrasher** (Clemson University). Well done!

On behalf of all fluorine division members I first would like to express my thanks and gratitude for all the members of the executive. A special thanks goes to **Stephen DiMagno** and **Viacheslave Petrov** for their excellent stewardship of the division during their tenure as 2012 Division Chair and Past Chair, respectively. I would also like to thank and bid farewell to our former Executive Committee members at large, **Alain Tressaud** and **David O'Hagan**. Due to health challenges we say good bye to our long standing Councilor and Alternative Councilor **Don Burton** and **Paul Resnick**. Thank you for your faithful service. I would like to welcome **Michael Gerken**, **Mike Bulinski**, and **Jinbo Hu** (Executive Committee members at large); **Christopher Junk** (vice-chair/membership) and **Ralf Haiges** (vice-chair secretary) for stepping into their official positions. And finally, **David Dixon** (interim councilor) and **Joseph Thrasher** (interim alternative councilor).

Welcome to a few new member to the division: **Ryan Altman, Dominique Cahard, Allison Dammeyer, Sergey Ivlev, Ye Ji, Paul Savoie, and Caitlin Tressler.**

If there are concerns or question you have regarding the Fluorine Division, please send me an e-mail. If you have new ideas on how to improve our division, do the same. I hope you will have a productive summer of research.



Chadron Mark Friesen
Chair, 2013

VICE-CHAIR/PROGRAM REPORT

Past Meetings:

21st Winter Fluorine Conference in St. Pete (FL), January 13-18, 2013: The traditional WFC was held once again at the TradeWinds Island Grand Resort in St. Pete Beach. The 171 participants of the meeting were spoiled by sunshine, pleasant temperatures, and an appealing program that covered many facets of contemporary fluorine chemistry. More than sixty lectures and almost thirty poster presentations, organized by Prof. Michael Gerken (and his co-chair, Prof. Stephen DiMugno), were given over the course of the conference.

On Thursday evening, Prof. Iwao Ojima, the recipient of the ACS Award for Creative Work in Fluorine Chemistry (2013) gave a personal account on “Fluorine Chemistry at the Biomedical Interface in Perspective” after the conference banquet. Iwao’s award address was an impressive survey of innovative fluorine chemistry that evolved over the years in his group. During the banquet session, the Division of Fluorine chemistry also recognized Prof. Joseph Thrasher with the Distinguished Service Award for his continuing dedication to fluorine chemistry and the division. Congratulations to both awardees for these well-deserved honors!

Furthermore, the WFC has always been a great avenue for students to showcase their graduate research and, as in past years, a judging panel awarded poster prizes to four excellent student poster presentations: Bension Jellier (1st Prize), Nick Hektor (2nd Prize), James Goettel (2nd Prize), and Socrates Munoz (3rd Prize). Congratulations to the four students and thank you to all poster presenters for participating in the conference.

In brief summary, the 21st WFC was a great success, due to superb organization by the conference chair, co-chair, and ACS staff (Vernar Beatty, Nancy Todd, Kimberly Savage, Brenda Philpot). The presenting authors, all session chairs and an engaged audience made the meeting a lively event. Last but not least, generous support from industrial

sponsors, exhibitors and ACS is greatly acknowledged by the Division of Fluorine Chemistry. A special "Thanks" to Honeywell for sponsoring the ACS Award for Creative Work in Fluorine Chemistry and to SynQuest for hosting the hospitality suite throughout the conference.

245th ACS National Meeting in New Orleans (LA), April 7-11, 2013: At the spring 2013 ACS National Meeting the Division of Fluorine Chemistry - with nominal sponsorship from MEDI and ORGN - hosted a symposium in honor of Iwao Ojima's ACS Award for Creative Work in Fluorine Chemistry. At this well attended symposium twenty-six speakers highlighted the role of fluorine chemistry in the context of classical organic and medicinal chemistry. Prof. John Welch organized this excellent symposium, secured support from various sponsors (Thank you!), and hosted a memorable banquet in the French Quarter.

Upcoming Meetings of Interest to Fluorine Division Members:

17th European Symposium on Fluorine Chemistry, Paris, France, July 21-25, 2013: Please refer to the webpage (<http://www.17esfc-paris2013.fr>) for more information on this symposium.

247th ACS National Meeting in Dallas (TX), March 16-20, 2014: EC meeting and at least one FLUO symposium (topic to be announced).

VICE-CHAIR MEMBERSHIP REPORT

As of April 30th, 2013, there were 586 members of the fluorine division. This represents a 1% decrease in total membership since the Fall 2012 Newsletter, and includes the balance between departing members and new members. The breakdown is as follows:

Member Type		
Group	Count	%
Division Affiliate	21	3.58
Emeritus Member	51	8.70
Regular Member	433	73.89
Regular Student Member	42	7.17
Retired Member	19	3.24
Society Affiliate	3	0.51
Student Member - UnderGrad	17	2.90
Total	586	100.00

Please join me in welcoming the newest members: Ryan Altman, Dominique Cahard, Allison Dammeyer, Sergey Ivlev, Ye Ji, Paul Savoie, and Caitlin Tressler. We continue to encourage current members to recruit students, postdocs, and early career fluorine chemists to join. We had several new members sign up at the recent Winter Fluorine Conference in Florida in January 2013.

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).

In the near future the Division would like to move to electronic voting instead of using paper ballots. This makes having accurate email addresses for every member a priority. I have been trying to reconcile the listed email addresses in the membership directory with those that bounce back as errors. If your preferred email address changes, please update it either by updating the information in your acs.org account, or send me an email and I'll update it.

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.

DIVISION COUNCILOR REPORT

AMERICAN CHEMICAL SOCIETY , 245th ACS NATIONAL MEETING, NEW ORLEANS, LA, Meeting of the Council, April 10, 2013.

The Committee on Nominations and Elections nominated the following candidates for President-Elect, 2014: G. Bryan Balazs, Charles E. Kolb, Jr., Carolyn Ribes, and Diane Grob Schmidt. By electronic ballot, the Council selected G. Bryan Balazs and Charles E. Kolb, Jr. as candidates for 2014 President-Elect. These two candidates will stand for election in the Fall National Election.

The Committee on Nominations and Elections announced that George M. Bodner and Alan A. Hazari are the District II candidates and that Rigoberto Hernandez and Larry K. Krannich are the District IV candidates for Directors. Ballots will be mailed on or before October 10, 2013 to all ACS 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 Directors-at-Large for a 2014-2016 term: Susan B. Butts, Thom H. Dunning, Jr., Dorothy J. Phillips, and Kathleen M. Schulz. The election of two Directors-at-Large from among those candidates will be conducted in the fall. Ballots will be mailed to the Council on or before October 10, 2013.

Christopher J. Bannochie and Jason Richie were selected to fill three-year and one-year terms, respectively, on the Committee on Committees.

The Committee on Nominations and Elections reported on their discussions of a revised redistricting proposal which brings all six election districts within 400-1,000 members of the mid-point of the permissible range. This proposed action is designed to eliminate the need for frequent small changes for some time to come.

ACS generated favorable operating results in 2012. Total revenue was \$490.7 million, which was \$6.1 million or 1.3% greater than the approved budget, and 3.9% higher than 2011. The Net from Operations was \$20.2 million, or \$4.3 million favorable to budget. This was largely attributable to better-than-expected performance by ACS Publications and CAS, and represents the Society's 9th consecutive year of positive operating results. While operating performance was favorable, Unrestricted Net Assets declined \$1.4 million to \$100.6 million.

The Council voted to set the member dues for 2014 at the fully escalated rate of \$154. This rate is established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws.

Society membership at the end of 2012 was 163,322 - 893 lower than the total for year-end 2011 despite recruiting 24,943 new members. The net loss occurred primarily in the Regular, full member category. There was continued growth in both the Student Member undergraduate and international categories, which helped mitigate the overall decline in membership.

The Council voted to approve the Academic Professional Guidelines as submitted by the Committee on Economic and Professional Affairs. These guidelines apply to those members of the academic community whose job function impacts directly or indirectly on scientists practicing the profession of chemistry.

The Council voted to approve a new formula for the distribution of allocations to individual Local Sections beginning in 2014. The new allocation will be divided as follows: base allotment (49%); per member allotment (43%), and LSAC program funds (8%).

The Council voted, in concurrence with the Board of Directors, to approve the petition to charter the Romanian International Chemical Sciences Chapter, consisting of the Territory of Romania

TREASURER'S REPORT

ACS Division of Fluorine Chemistry Treasurer's Report as of December 31, 2012

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 December 2012 and the comparative numbers for a year prior, 31 December 2011.

ASSETS (as of 31 December 2012)

	(\$ as of 31 December 2011)	(\$ as of 31 December 2012)
Wells Fargo Bank Account	29,011	38,379
Ameriprise Financial SPS Advantage Accounts		
Moissan SURF Fund	68,736	77,822
Long Term Investment Account	129,422	137,867
Total Assets	227,169	254,068
Percent change		+11.8%

The Division's total assets have increased approximately 11.8% over the course of the 12 month period ending December 31, 2012. This increase is mostly due to an appreciation of investment assets as well as an accumulation of corporate donations for the 21st Winter Fluorine Conference.

Financial highlights for the Division for Fiscal Year 2012 include:

- The Division awarded 3 Moissan Summer Undergraduate Research Fellowships in the amount of \$3,500 each to Professors Brian O'Brien (Gustavus Adolphus College), Todd Davis (Idaho State University), and Chad Friesen (Trinity Western University).
- The Division provided \$9,500 in financial support to the Fluorine Division Symposia held at the Spring ACS National Meeting in San Diego.
- The Division provided \$5,000 in support of the 1st Indian International Symposium on Fluorine Chemistry, held in Delhi, India in February, 2012.

Outlook for 2013

- Organizers of the 21st Winter Fluorine Conference (January 2013) collected \$20,750 in Corporate donations. This is a tremendous achievement and congratulations are due to Michael Gerkin, 21st WFC Chair, and Vernar Beatty, ACS, for an excellent job!
- \$7,000 in Corporate donations raised by Symposium Chair Professor John T. Welch was combined with \$7,000 in Fluorine Division funds to support the Award for Creative Work in Fluorine Chemistry Symposium honoring Professor Ojima held at the ACS National Meeting in New Orleans in April 2013.
- \$11,500 has been allocated for funding of three Moissan SURF Awards in 2013.

Biographical Data of the Candidates for Offices of the Division of Fluorine Chemistry

Executive Committee (Three-year term, 2014-2016)

Petr Beier received his MSc in Organic Chemistry in 2001 at the University of Pardubice, Czech Republic. His Master thesis was entitled: *Kinetics and mechanism of base-catalyzed degradation of substituted aryl-N-hydroxy-carbamates and their N-methyl and N-phenyl analogues*. In 2004, he received his PhD in Organic Chemistry at the University of St. Andrews, UK. His Dissertation was entitled: *Partially fluoruous molecules and lipase mediated enantiomeric resolutions in fluoruous solvents*. His supervisor was Prof. David O'Hagan and the work was supported by the EU Research Training Network.

From 2005–2006 he had a Postdoctoral Position at Loker Hydrocarbon Research Institute, University of Southern California, Los Angeles, USA. Much of his work was on Research in organofluorine chemistry and guiding PhD students. His supervisors during this time were Prof. G. K. Surya Prakash and Nobel Prize Laureate Prof. George A. Olah. Since 2007, He has been a research team leader at the Institute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic, Prague. His Independent research is in organofluorine chemistry.

Michael O. Brimeyer earned his BS degree in Chemistry from Loras College in Dubuque, Iowa and his MS in Organic Chemistry from Marquette University in Milwaukee, Wisconsin.

He began his career at Aldrich Chemical Company in 1979 as an R&D chemist working on product development. He has also worked at SCM Organic Chemicals as a process

development chemist focusing on terpene chemistry and specialty organosilane chemistry. In 1986, he was transferred to PCR Inc. (Gainesville, FL) where he began as an R&D chemist specializing in silicon and fluorine chemistry and then went on to become Manager of Catalog Production for 10 years. Mike is currently Director of Manufacturing at SynQuest Laboratories, a subsidiary of Central Glass, in Alachua, Florida.

Mike has been a member of ACS for 40 years and member of the Fluorine Division.

Anthony Nigro received his B.S. degree in Chemistry from the State University of New York (SUNY) at Oswego, where he graduated magna cum laude, and an M.S. degree in Organic Chemistry from SUNY Stony Brook under the supervision of Prof. Iwao Ojima. His Master thesis was entitled: *CYP26 Inhibitors as Retinoic Acid Metabolic Blocking Agents: Applications in Oncology*. In 2011, Anthony joined Halocarbon Products Corporation as an account manager supporting sales and marketing in the PCTFE lubricants and fluorochemical businesses. Recently, Anthony has been promoted to manager of product development where he will continue his previous responsibilities and add the support new opportunities in electronic fluorochemical business. Prior to joining Halocarbon, Anthony worked at Gattefosse as a technical sales representative supporting their pharmaceutical excipient line. Before starting his sales and marketing career in the chemical and pharmaceutical industry; Anthony was employed as a sourcing manager at Roche in Nutley, NJ after starting there as a senior scientist in the Chemical Synthesis department. Anthony began his career as an organic chemist working for OSI Pharmaceuticals (now Astellas) in 2001 supporting oncology research in the discovery of small molecules. In addition to the above achievements, Anthony has co-authored scientific papers and is a co-inventor on patents. Besides being a member of the ACS and the Division of Fluorine, he is a member of the ASTM G04 committee. Anthony was born in 1977 in New York to Italian immigrants. He currently resides in Bergen County, NJ with his wife and daughters.

Jean-François Paquin studied chemistry at Université Laval (Quebec City, Canada) where he graduated with a B.Sc. degree in 1999. In 2004, he received his Ph.D. degree under the supervision of Professor Mark Lautens at the University of Toronto (Canada). After a post-doctoral stay in Professor Erick M. Carreira's lab at the ETH Zürich (Switzerland), he was appointed assistant professor in 2005 at Université Laval (Quebec City, Canada) as a Tier 2 Canada Research Chair in Organic and Medicinal Chemistry (2005-2010). In 2010, he was promoted associate professor and his Canada Research Chair in Organic and Medicinal Chemistry renewed (2010-2015). In 2010, he spent one month at the Institut National des Sciences Appliquées de Rouen (France) as an invited professor. His current research interests include the development of novel methodologies for the synthesis of organofluorine compounds and their applications for the preparation of bioactive fluorinated compounds or fluorinated biological probes. Jean-François has co-authored more than thirty-two publications in addition to eleven book chapters. He has presented more than twenty-eight invited lectures. Jean-François is co-organizing a symposium entitled "Synthetic and Catalytic Aspects of Fluorine Chemistry" at the 96th Canadian Chemistry Conference and Exhibition that will take place in Quebec City in May 2013. He is a member of the executive committee of the Organic Division of the Canadian Society of Chemistry (2011-2015).

Sebastian Riedel, born 1975, began his practical training 1991 as a chemistry laboratory technician at Siemens and Degussa in Hanau, Germany. He studied first at the University of Siegen and later on at the University of Würzburg where he finished his Diploma thesis on HgF₄. During his PhD studies at the Institute of Inorganic Chemistry at the University of Würzburg in the group of Prof. Martin Kaupp, he investigated the stability of high oxidation state 5d transition metal fluorides by quantum-chemical calculations. For this work he received the Faculty Award in chemistry and the Bavarian culture award.

In 2006 he started his postdoctoral work at the University of Helsinki in the research groups of Prof. Pekka Pyykkö and Prof. Markku Räsänen where he continued practical aspects of his research on high oxidation states using matrix-isolation spectroscopy. In 2008, he had a postdoctoral stay in the laboratory of Prof. Gary J. Schrobilgen at McMaster University Canada where he dealt with various aspects of preparative inorganic fluorine chemistry.

Supported by a Liebig-scholarship from the German Chemical Industry (FCI), he started his “Habilitation” at the Albert-Ludwigs University, Freiburg where he combined all three areas of research (quantum-chemical calculations, preparative fluorine chemistry and matrix-isolation spectroscopy), investigating highly fluorinated systems such as HgF₄, AuF₅-F₂ and [F₃]⁻. For his research he has received in 2011 the “ADUC” award of the year from the German Chemical Society (GDCh).

Division Councilor (Three-year term, 2014-2016)

Dr. David A. Dixon received a B.S. in chemistry from Caltech in 1971 where he did undergraduate research in x-ray crystallography and ion cyclotron resonance spectroscopy. He received a PhD from Harvard University in physical chemistry in 1976 where he worked on molecular orbital theory with Prof. William Lipscomb (Nobel Prize in Chemistry, 1976) and crossed molecular beam chemistry with Prof. Dudley Herschbach (Nobel Prize in Chemistry, 1986). He is currently the Robert Ramsay Chair the Department of Chemistry at The University of Alabama where he has been since 1/2004. Prior to moving to UA, he was Associate Director for Theory, Modeling, & Simulation (TM&S) in the William R. Wiley Environmental Molecular Science Laboratory at the Pacific Northwest National Laboratory and a Battelle Fellow for 8 years. He also spent more than 12 years at DuPont’s Central Research at the Experimental Station in Wilmington, Delaware which is where he became involved with fluorine chemistry with a specific focus on CFC replacements, fluoropolymers and catalysis. He has received a number of awards including a Junior Fellowship at Harvard University (1975 – 1977), Sloan and Dreyfus Fellowships in 1977 and 1978, the 1989 Leo Hendrik Baekeland Award of the American Chemical Society (for accomplishments by a chemist under the age of 40), the 2003 American Chemical Society Award for Creative Work in Fluorine Chemistry, a 2010 DOE Hydrogen Program R&D Award for Outstanding Contributions to Hydrogen Storage Technologies, the 2011 Burnum Award from UA, and the inaugural SEC Faculty Achievement Award in 2012. He is a Fellow of the American Association for the Advancement of Science and of the American Physical Society and a member of the European Academy of Sciences. He has previously been on the Executive Committee of the Division of Fluorine Chemistry, has served as Program Chair and Chair of the Division in 1998, and was Chair of the 2011 Winter Fluorine Conference. His main research efforts are using electronic structure theory to solve chemical

problems in catalysis, geochemistry especially for CO₂ sequestration, biochemistry of amino acids and peptides for anion-based proteomics, relativistic effects for environmental studies and advanced nuclear fuel cycles, chemical hydrogen storage materials, nanostructures and nanostructured materials, and fluorine and main group chemistry. He actively involves undergraduates in research and has had more than 50 undergraduates in his research group since joining UA with more than 20 publications with them. He has more than 620 publications.

Alternate Division Councilor (Three-year term, 2014-2016)

Joseph Thrasher is currently a Professor at the Department of Chemistry at Clemson University. After receiving his B.S. degree in Chemistry in 1978, he remained at Virginia Tech for his Ph.D. studies in Inorganic Chemistry under the direction of Alan F. Clifford. Upon completion of his Ph.D. in 1981, he took a postdoctoral position with Konrad Seppelt at the Freie Universität Berlin. During the 1983-84 academic year, he was a Visiting Assistant Professor at Clemson University where he both taught and carried out research with Darryl D. DesMarteau. He began his independent academic career at Alabama in 1984 and served as Department Chair for five years (2002-2007) after serving as Director of Graduate Studies for seven years. In July 2011, he retired from the University of Alabama, and immediately started his current position at Clemson. His research interests, funding, and publications are in three primary areas: (1) main-group fluorine chemistry, (2) industrial fluorine chemistry, and (3) energy conversion and storage technology. He has been very active in the American Chemical Society (ACS), especially in the Division of Fluorine Chemistry, where he has served in a number of offices, including Chair in 1994 as well as serving on the Executive Committee numerous times. He has also organized a number of symposia and conferences, including having been co-chair of two ACS Winter Fluorine Conferences (1993 and 1995) and was the organizing chair of the 19th International Symposium on Fluorine Chemistry (ISFC) held in Jackson Hole, WY in 2009. Since 1997, he has also been the lead U.S. delegate on the International Steering Committee that helps decide future sites of European and International Symposia on Fluorine Chemistry. He was the recipient of the Division's Distinguished Service Award in 2013.

Vice-Chair/Program (Three-year term, 2014-2016)

Dr. Viacheslav Petrov started his carrier in 1978 as Research Associate in the Institute of Organo-Element Compounds (INEOS) Academy of Science USSR, Moscow, USSR, in the Laboratory of Organofluorine Compounds, which was headed by academician I. L. Knunyants and latter by Professor L. S. German. He received his Ph. D in organic chemistry from INEOS in 1983. In 1989 he joined the group of Professor D. DesMarteau at Chemistry Department of Clemson University, where he spent over 2 years. In 1992 Dr. V. Petrov joined DuPont Co. as a visiting research scientist and in 1994 got a permanent position in DuPont Central Research and Development (Wilmington, DE), where he currently holds the position of Senior Research Associate.

His research interests are focused on synthetic methodologies for the preparation of polyfluorinated materials such as polyfluorinated functionalized olefins, imidoyl fluorides, small heterocycles (oxaziridines, aziridines, epoxides and oxetanes) and polyfluorinated monomers.

Dr. Petrov is author and co-author of over 110 papers, 5 review articles and over 50 US patents. In 1989 he received Harry Emeleus Prize for Creativity in Fluorine Chemistry by Journal of Fluorine Chemistry and Elsevier Science.

Election Ballot

The election ballot for Offices of the Division of Fluorine Chemistry will be distributed by email.

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 2011 ARE \$10.00 FOR ACS MEMBERS AND \$17.00 FOR NON-ACS MEMEBRS
(FOREIGN MEMBERS: PLEASE MAKE SURE THAT YOUR CHECK IS IN U.S. DOLLARS DRAWN ON A U. S.
BANK.)

DUES ENCLOSED: \$ _____

PLEASE SEND FORM TO:

Christopher Junk
DuPont Central Research & Development
Experimental Station
Building E500, Room 2604B
Wilmington, DE 19880
USA

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