



ACS NEWS

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

MESSAGE FROM THE CHAIR



Greetings from Delaware and happy spring! Things are off to a great start with the Fluorine Division (FLUO) so far in 2015. We began the

year with a productive meeting of the Executive Committee (EC) before the start of the Winter Fluorine Conference (WFC) in Florida. Please join me in welcoming our newest EC members: **David Vicic** (Vice-chair Membership), **Kazuhiko Matsumoto**, **Gary Schrobilgen**, **Norio Shibata** and **Neil Vasdev** (Members at Large). I'd like to thank **Slava Petrov** for agreeing to serve as interim vice-chair of programs for 2015. Many thanks go to those EC members who completed their terms of service at the end of 2014: **Chad Friesen**, **Véronique Gouverneur**, **Graham Sandford** and **Gary Schrobilgen**. I encourage departing EC members to find ways to stay involved in our Division (it seems Gary already got this message).

The WFC was a great success due in large part to the impressive and timely efforts of the organizers: **Dave Dixon** and **Bob Syvret**. Gentlemen, thank you so much for putting together such an impressive conference! We would also like to thank the multiple organizations who gave financial support, as well as **Kim Savage** from ACS for helping the meeting to run smoothly. Two awards were presented

at this conference:

- The ACS award for Creative Work in Fluorine Chemistry was presented to **Véronique Gouverneur**
- The Division of Fluorine Chemistry Distinguished Service Award was presented to **David A. Dixon**

Thank you both for your dedication to excellence in fluorine chemistry as well as service to our Division.

The following member names were presented and approved during the Open Member Meeting. The ballot for voting to fill open positions on the EC for 2016 will include:

- Vice-chair Secretary: **Anthony Nigro**
- Vice-chair Programs: **Neil Vasdev**
- Members at Large: **Michael Gerken**, **Slava Petrov**, **G.B. Hammond**

On the topic of modernization of our Division, thanks go to **Phil Henderson**, who has been volunteering his time to make improvements to the FLUO website. Updates being made to the web site include a current list of spring and fall newsletters, division award recipients, a page detailing the Moissan award, and hopefully an electronic version of our membership application form. I have also created an email address for the division (divfchemacs@gmail.com) and am starting to store important documents on the associated Google Drive which will allow easier transfer of information from one chair to the next. Finally, we now have a

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VICE-CHAIR MEMBERSHIP REPORT

As of February 28th, 2015 there were 552 members of the Fluorine Division. The breakdown is as follows:

GROUP	COUNT	%
Division Affiliate	18	3.26
Emeritus Member	56	10.14
Regular Member	401	72.64
Regular Student Member	36	6.52
Retired Member	16	2.90
Society Affiliate	5	0.91
Student Member –		
Undergrad	20	3.62
TOTAL	552	100

Please join me in welcoming the newest members: **Lynn Cheplen**, **Eric Chris**, **Roman Dembinski**, **Matthias Ellwanger**, **Emmanuel Magnier**, **K. Barry Sharpless**, **Huynh Vo**, **Megan Wilt**.

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DAVID VICIC

We encourage current members to recruit students, postdocs, and early career fluorine chemists to join the Division. You can be a member of our division without being a member of the broader ACS. The first year is free, but then it will be \$17.00 USD / year for your membership, assuming you remain only a member of our division. The ACS member cost for our division is only \$10.00 USD / year.

We welcome any suggestions for activities that will help maintain and expand our membership. We are currently investigating how to revamp our website in order to facilitate the application process. In the meantime, those wishing to join the Division may use the application provided at the end of this Newsletter. ■

VICE-CHAIR PROGRAM REPORT

22nd Winter Fluorine Conference, January 11-16, 2015. For the last time, this biannual conference took place at the Trade Winds Resort Hotel, St. Petersburg, Florida. David Dixon and Robert Syvret hosted this meeting as co-Chairs. It gathered over 150 participants from the USA and other countries. The meeting was a great success with a very interesting scientific program.

At the **249th ACS National Meeting** in Denver, CO (March, 2015), the Division organized and sponsored two Symposia honoring Veronique Gouverneur, the 2015 recipient of the ACS Award for Creative Work in Fluorine Chemistry and Karl Christe, the winner of 2015 ACS Award for Creative Research and Applications of Iodine Chemistry. David Dixon organized both Symposia.

Neil Vasdev, Alan Packard, Gilles Tamagnan and Svetlana Selivanova are putting together a program for a Symposium on 18F Radiochemistry, which will take place in Boston at the 250th ACS National Meeting August 16-20, 2015 (co-sponsored by MEDI Division of ACS).

On the behalf of the Division, I would like to thank all Organizers for their dedication and hard work in putting together excellent programs.

NOTEWORTHY MEETINGS IN 2015-2016: 2015 promises to be very interesting year in the sense of upcoming scientific meetings. Along with the previously mentioned Symposium on 18F Radiochemistry at the 250th ACS National Meeting, the **21ST INTERNATIONAL SYMPOSIUM ON FLUORINE CHEMISTRY** will be held in Cernobbio, Como, Italy on August 23-28, 2015.

For more information please check the Conference website:

<http://www.fluorine-como2015.eu>

PACIFICHEM 2015, DEC. 15-20, 2015 HONOLULU, HI, USA

The Division is planning to sponsor two Symposia at this meeting:

- **“Fluorinations and Fluoroalkylations”**
Organizers: Surya Prakash, Tobias Ritter, Koichi Mikami, Jinbo Hu and Santos Fustero
- **“Current Trends and Interconnectivities Among Fundamental and Applied Inorganic Fluorine Chemistry”**
Organizers: Kazuhiko Matsumoto, Rika Hagiwara, Gary Schrobilgen, Helene Mercier and Robert Syvret

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MESSAGE FROM THE CHAIR

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SurveyMonkey account for the Division, which will make voting on EC issues much more streamlined.

We received an abundance of applications (8) this year for the Moissan Summer Undergraduate Research Fellowships, but were limited by budget to giving three awards of \$5,000 USD each. It was difficult for the committee to choose among such a strong set of applications, and we are pleased to congratulate the following winners:

Dominique Cahard, Université de Rouen, France, “Synthesis of Enantiopure 3-Fluorooxindoles and Prodrugs”

Chadron Friesen, Trinity Western University, BC, Canada, “Novel 19F-MRI Theranostic Agents”

Kenneth Laali, University of North Florida, USA, “Synthesis of Fluorinated and Trifluoromethylated Tetrahydropyrans (THPs) Utilizing One-Pot Multicomponent Approaches with a ‘Green’ Touch”

The selection committee would like to thank all those who took the time and effort to apply. The deadline for next year’s Moissan proposals will be Jan 31, 2015.

I hope those of you who attended the recent national ACS meeting in Denver enjoyed the FLUO activities, which included a poster session, a day of talks in honor of **Véronique Gouverneur’s** ACS Award, and another in honor of **Karl O. Christe**, who received the ACS Award for Creative Research and Applications of Iodine Chemistry. Thanks again go to Dave Dixon for an excellent job organizing these symposia. Congratulations also to FLUO member **David O’Hagan** whose elegant work on partially fluorinated cyclohexanes was recently featured in C&EN. This is great publicity for one type of research done within our Division.

It is my distinct honor to serve as Chair this year. Please let me know if you have ideas for improving or strengthening our Division, or if there are any issues of concern.

Christopher P. Junk
Chair, 2015

BREMEN FLUORINE DAYS WILL BE HELD IN BREMEN, GERMANY, JULY 3-7, 2016.

For more information please visit the conference website www.bremenfluorinedays.com or contact the conference chair:

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18TH EUROPEAN SYMPOSIUM IN FLUORINE CHEMISTRY, Kiev, Ukraine, 2016

23RD WINTER FLUORINE CONFERENCE, Hilton Clearwater Beach Resort, Clearwater Florida, January 15-20, 2017.

Chair: Robert G. Syvret; Co-Chair: Markus Etzkorn

22TH INTERNATIONAL SYMPOSIUM ON FLUORINE CHEMISTRY, Oxford, UK, 2018

**BIOGRAPHICAL DATA OF THE CANDIDATES FOR
OFFICES OF THE DIVISION OF FLUORINE CHEMISTRY**

EXECUTIVE COMMITTEE (Three-year term, 2016-2018))

MICHAEL GERKEN received his Dipl. Chem. degree from the Gerhard Mercator University in Duisburg, Germany in 1995. He completed his Diploma thesis with Prof. Wiebren Veeman on ¹²⁹Xe NMR spectroscopy of xenon gas absorbed in micro-porous solids. During his graduate studies in Duisburg, Michael went to McMaster University for one year on an exchange to do research with Prof. Gary J. Schrobilgen on Zintl-anion chemistry. Michael returned to McMaster in 1995 to pursue Ph.D. studies with Prof. Gary J. Schrobilgen. Michael's thesis work involved the synthesis and characterization of XeO₄ and oxide fluorides of xenon(VIII), osmium(VIII), iodine(VII), and xenon(II). Michael received his Ph.D. in inorganic chemistry in 2000. He then continued as an NSERC postdoctoral fellow at the Loker Hydrocarbon Research Institute of the University of Southern California, where he worked in Prof. Karl O. Christe's research group for two years. In 2002, he joined the Department of Chemistry and Biochemistry of the University of Lethbridge in Alberta, Canada. Michael is a full Professor specialized in inorganic fluorine chemistry, focusing particularly on high oxidation state transition-metal compounds and sulfur fluoride chemistry. Michael has co-authored fifty three publications including four book chapters and served as the chair of the 21st Winter Fluorine Conference (Jan. 2013).

PROFESSOR GERALD B. HAMMOND holds the Endowed Chair in Organic Chemistry from the University of Louisville. He was born in Lima, Perú, received his Bachelor of Science degree from the Pontificia Universidad Católica del Perú and

his Ph.D. from the University of Birmingham, in England. Dr. Hammond joined the University of Massachusetts Dartmouth in 1990 as assistant professor, attaining the rank of Professor in 1999. In 2004 Dr. Hammond moved to the University of Louisville as Professor of Chemistry and University Scholar. From 2007 to 2009 he was program director in the Chemistry Division at the National Science Foundation in Washington DC. Professor Hammond has held visiting professorships at Heidelberg University (Germany), Harvard University, Virginia Tech, Okayama University (Japan), Universidad Nacional Autónoma de México, and the University of Valencia (Spain). He is also an adjunct faculty at the Universidad Peruana Cayetano Heredia in Lima, Peru. He has received the Henry Dreyfus Teacher-Scholar Award, the Dreyfus Scholar-Fellow award, and the UMass Dartmouth Scholar of the Year Award. In 2011 Professor Hammond was elected Mercator Professor by the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) and also was the recipient of a Career Achievement Award for Outstanding Scholarship, Research, and Creative Activity from the College of Arts and Sciences of the University of Louisville. Professor Hammond has twice been named Fulbright Scholar, in 2003, and more recently, in 2013, when he was awarded a Distinguished Fulbright Chair.

Professor Hammond chaired the Fluorine Division of the American Chemical Society, was a member of the editorial

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board of the Journal of Fluorine Chemistry and organizer and chair of the 15th International Winter Fluorine Conference. In addition to organofluorine chemistry, Professor Hammond's research interests include novel synthetic methodologies, gold catalysis, and drug discovery.

Professor Hammond is author of close to 150 publications and 6 patents, and has received approximately \$10 million dollars in grants as principal investigator or co-investigator. Collectively, his students have won 30 national and regional awards, and presented their work in over 200 international, national, and regional conferences.

VIACHESLAV PETROV joined DuPont in 1992 and out of 22 years spent over 18 in DuPont Central Research and Development. Viacheslav is an expert in the area of fluoroorganic synthesis. He published over 120 papers in peer-reviewed scientific journals and he holds over 60 US patents. He is a member of the Editorial Board of the Journal of Fluorine Chemistry.

In 2007-2009 Viacheslav served as a Vice-Chair/Programs and in 2010-2011 as the Chair of the ACS Division of Fluorine Chemistry. Currently is a member of the Executive Committee of the Division, serving a second term as a Vice-Chair/Programs (2014-2015).

VICE-CHAIR/PROGRAM (Three-year term, 2016-2018)

NEIL VASDEV, PH.D., is the Director of Radiochemistry at Massachusetts General Hospital and an Associate Professor in the Department of Radiology at Harvard Medical School. He concurrently graduated (summa cum laude) with a Bachelor of Science in Chemistry and Bachelor of Arts in Psychology from McMaster University in 1998, under the co-supervision of Prof. Raman Chirakal and Prof. Gary Schrobilgen. Prior to starting graduate school he gained experience working in industry as a chemist at two major pharmaceutical companies: Astra Pharma and Glaxo Wellcome, and a radiopharmacy. In 2002, he completed his Ph.D. dissertation in PET radiopharmaceutical chemistry where he developed new agents to image the living human brain as well as several cancers, while holding a national scholarship (Natural Sciences and Engineering Research Council of Canada (NSERC)). He completed an NSERC postdoctoral fellowship to further his training in PET radiopharmaceutical chemistry in the Department of Functional Imaging at the E.O. Lawrence Berkeley National Laboratory, under the supervision of Prof. Henry VanBrocklin. In 2004, he joined the University of Toronto's Department of Psychiatry and the PET group at the Centre for Addiction and Mental Health, where he worked closely with Prof. Alan Wilson. Neil has focused his independent radiopharmaceutical chemistry research program on developing radiolabelled imaging agents, often by multi-step radiochemistry

reactions, for investigating disorders of the human brain and has applied this technology to prepare cancer imaging agents. Several of the radiotracers developed by his laboratory are in preclinical use worldwide and many of these compounds have been used for first in human neuroimaging studies.

Neil Vasdev has received many academic, teaching and presentation awards for his research. He has been an active member of several national and international chemistry and nuclear medicine societies and has been an active member of the ACS Division of Fluorine Chemistry since 1998 has co-organized Radiochemistry Symposia in the Division since 2012. His distinctions include a Moissan Fellowship from the Division in 2005, the First Place Young Investigators Award (2006) from the Radiopharmaceutical Sciences Council of the Society of Nuclear Medicine, as well as young investigator awards from the University of Toronto, Ontario Ministry for Research and Innovation, and the Canadian Society of Nuclear Medicine.

VICE-CHAIR/SECRETARY (Four-year term, 2016-2019)

ANTHONY NIGRO has over 14 years of combined experience in the pharmaceutical and chemical industries. Currently, he is the manager of product development for Halocarbon Products Corporation (www.halocarbon.com) and is responsible for identifying and vetting new fluorochemical development opportunities. He works with leading, innovating companies around the world to help them achieve their development goals. Anthony joined Halocarbon Products in 2011 as an account manager supporting the sales and marketing efforts for its PCTFE lubricants and fluorochemical businesses. His sales career began at Gattefossé as a technical sales representative supporting their pharmaceutical excipient line. Before embarking into sales and marketing, Anthony was a sourcing manager at Roche in Nutley, NJ where he was originally a senior scientist in the chemical synthesis department. His technical career began in 2001 at OSI Pharmaceuticals, which was later acquired by Astellas, as a medicinal chemist discovering and synthesizing small molecules for oncology research. Anthony 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. He is also a member of the American Chemical Society, ACS-Division of Fluorine, and the ASTM G04 committee. ■

The fiscal state of the Division of Fluorine Chemistry continues to be strong thanks to fundraising efforts for Fluorine Division sponsored symposia. The Table below provides a snapshot view of the Division's assets as of 31 March 2015 and the comparative numbers for a year prior, 31 March 2014.

ASSETS (as of 31 March 2014)

	(\$) as of 31 March 2014	(\$) as of 31 March 2015
WELLS FARGO BANK ACCOUNT	\$47,271	\$7,692
AMERIPRISE FINANCIAL SPS ADVANTAGE ACCOUNTS:		
Moissan SURF Fund	\$93,315	\$98,232
Long-term Investment Account	\$147,245	\$147,385
TOTAL ASSETS	\$287,831	253,310
Percent change		-12.0%

The Division's total assets have decreased approximately 12.0% over the course of the 12 month period ending March 31, 2015. This decrease is entirely from the operating account and reflects the Division's support of the Moissan SURF, programming at the Fall ACS National Meeting held in San Francisco, the 22nd Winter Fluorine Conference, and other support noted below. The final budget reconciliation from the 22nd Winter Fluorine Conference is not included in the figures above.

2014 FINANCIAL HIGHLIGHTS/OUTLOOK FOR THE DIVISION FOR FISCAL YEAR 2015:

- > In 2014 the Division awarded 2 Moissan Summer Undergraduate Research Fellowships in the amount of \$5,000 each to Professors Jean-François Paquin (Laval University) and David Vivic (Lehigh University).
- > The Division provided \$18,000 in financial support to 3 Fluorine Division Symposia that were held at the Fall ACS National Meeting in San Francisco, August 2014.
- > 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.
- > The Division provided \$2,000 in support to the Division of Polymer Chemistry for sponsorship of Fluoropolymers 2014 that was held in San Diego in October 2014.
- > The Division provided \$7,405 in support to the 22nd Winter Fluorine Conference including student travel awards, registration support, and student poster awards.
- > The Division has awarded 3 Moissan Summer Undergraduate Research Fellowships in the amount of \$5,000 each to Professors Dominique Cahard (INSA de Rouen), Ken Laali (University of North Florida) and Chad Friesen (Trinity Western University). ■

CALL FOR **PROPOSALS**

THE ACS DIVISION OF FLUORINE CHEMISTRY is providing five \$500 travel grants for members of the division to visit the 21st INTERNATIONAL SYMPOSIUM ON FLUORINE CHEMISTRY in Cernobbio, Como, Italy on August 23-28, 2015.

Applications for this grant may be submitted by any division member and should include a short proposal including title and abstract of the oral presentation or poster. Students or post-docs should include a letter from their supervisor.

The electronic submission should be in the form of a PDF document and sent to: Christopher.P.Junk@dupont.com ■

The Council selected G. Bryan Balazs and Allison A. Campbell as candidates for 2016 President-Elect.

The nominees for Directors from District I and District V on the Board of Directors for the term 2016-2018 are Thomas R. Gilbert and Laura E. Pence as District I candidates and John E. Adams and Kenneth V. Fivizzani as District V candidates. The candidates for two Director-at-Large positions for 2016-2018 terms are: Willem R. Leenstra, Ingrid Montes, Mary Jo Ondrechen, and Thomas W. Smith.

The Council voted to set the member dues for 2016 at the fully escalated rate of \$162. This rate is established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws.

The Council voted to approve petitions to charter the India International Chemical Sciences Chapter and the Taiwan International Chemical Sciences Chapter.

In 2014, ACS generated a Net from Operations of \$17.9 million, which was \$4.2 million favorable to budget. Total revenues were \$499.0 million, \$0.7 million or 0.1 percent higher than budget. Expenses ended the year at \$481.1 million, \$3.5 million favorable to the budget. This variance was largely attributable to a continued emphasis on expense management across the Society. Despite favorable operating results, the Society's financial position weakened in 2014, with Unrestricted Net Assets declining \$62.3 million, to \$144.7 million at year-end. Additional information can be found at www.acs.org, at bottom, click 'About ACS', then 'ACS Financial Information'. There you will find several years of the Society's audited financial statements and IRS 990 filings.

The education committee reported that more than 1,900 individuals have joined the American Association of Chemistry Teachers (AACT) which launched last year, 88 percent of whom are K-12 teachers of chemistry. The Dow Chemical Company was announced as the Sole Founding Partner of AACT with a gift of \$1 million.

Following a discussion on the revenue supporting National Meetings, the ACS Council respectfully requested that the Board of Directors delay the implementation of the technical meeting additional fee to the meeting registration fee, until the Board presents an analysis (preferably at the Boston national meeting) of the projected break even fee, including and excluding the net revenue from the National Meeting Exposition.

The Committee on Meetings and Expositions recommends that the Early Member Registration Fee for 2016 national meetings be \$415, per the National Meeting Long-Range Financial Plan. As part of the continuing ACS sustainability effort and to encourage the use of the ACS mobile app and online program, ACS has decided to discontinue free distribution of the hard copy program book starting in 2016. Those who pre-register for the meeting may purchase a copy of the program book for \$10 (pick up on site), and copies will be available at the meeting for \$20. The

PDF version of the national meeting program will be more prominently displayed on the ACS website for those who would like to print portions for themselves. National meeting attendees were recently surveyed for their views on the Society's policy governing the use of devices to capture and/or disseminate content delivered at our meetings. While expressing support for the policy, the respondents also expressed interest in amending the current policy to permit presenters, at their discretion, to authorize audience members to capture and disseminate content.

The attendance as of Tuesday evening, March 24 at the 2015 Spring ACS meeting was 13,940 with 5,141 students included.

The Committee on Divisional Activities voted to fund ten Innovative Project Grants (IPG) totaling \$54,000. The committee will consider another set of IPG proposals during the Boston National Meeting in August, 2015; the deadline for that round of submissions in July 1, 2015.

The Committee on Membership Affairs approved a recommendation from staff to ask individuals who have been receiving the 50 percent Graduate Student Discount for four years or more if they are still graduate students so they can receive the correct dues renewal. The current process does not provide an opportunity for graduate students to change their status after graduation except by contacting ACS Member Services. The Committee endorsed President Diane Schmidt's campaign to invite faculty from PhD granting U.S. institutions to give ACS membership as an award to outstanding students in chemistry. Schmidt will match each gift by paying a student's membership from her Presidential funds.

The Committee on Economic and Professional Affairs reported the 2014 New Graduate Survey Results which show the unemployment rate for new graduate chemists has dropped from 14.9 percent in the 2013 survey to 12.4 percent as of 2014. The drop is principally due to more new bachelor's degree chemists finding employment. ACS members experienced three successive years of lowered unemployment, which could hint at a positive outlook for chemists in coming years. While unemployment is down, salaries have been overall stagnant.

The Committee on Professional Training reviewed 39 periodic reports from currently approved programs and held conferences with two departments beginning the process of applying for ACS approval. CPT also reviewed four site visit reports and approved three new programs. There are currently 681 colleges and universities offering ACS-approved bachelor's degree programs in chemistry. The new 2015 ACS Guidelines for Bachelor's Degree Programs were approved at Committee's winter meeting and recently published on the ACS website. ■

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 2015 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:

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Bethlehem, PA 18015
USA

Preferred method of return is electronic to David Vicic: vicic@lehigh.edu



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

2015 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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