

Fall Newsletter
&
Official Ballot for
Election of Executive Committee Positions

September 2006

Message from the Chair

Namaste from West Lafayette! I hope that you all had a relaxing and productive summer, despite the unusual hot weather that some of us experienced. I trust that many of you attended the 18th International Symposium on Fluorine Chemistry in Bremen, Germany. I wish to congratulate Professor **Darryl DesMarteau** (Clemson University), who received the prestigious **Moissan Prize** during this meeting. I had to miss this symposium since it conflicted with the Boron in the Americas Biennial Meeting in Puerto Rico, where I received the **Boron in the Americas Award**. We acknowledge the efforts of Professors **Rüdiger Mews** and **Gerd-Volker Rösenthaler** and their committee for making the 18th International Symposium on Fluorine Chemistry a grand success; the torch has now been passed on to us to conduct the 19th ISFC in Jackson Hole, Wyoming in 2009.

We had a successful program during the fall ACS National meeting in San Francisco. Our Division organized several symposia at this meeting. In addition, we are also co-sponsoring a symposium entitled, "Advances in Fluorine Chemistry", at the 2006 South Eastern Regional Meeting of the ACS (SERMACS). **Slava Petrov** is currently giving the final touches on the organization of our flagship meeting, the 18th Winter Fluorine Conference, to be held in January 2007 at our favorite venue, the Tradewinds Hotel in St. Pete Beach, Florida. Please see the Vice-Chair/Programs report for more information on future symposia.

Fall is here, which means it is time to elect future leaders of the Division. With this newsletter you will receive ballots with the names of candidates for the positions of Vice-Chair/Programs and executive committee members (2), I am proud to announce that we have a list of superior candidates who have great enthusiasm and excellent experience in leadership positions. I wish to express my appreciation to the candidates for Vice-Chair (Programs): **Viacheslav (Slava) Petrov** (DuPont) and **Andrei**

Yudin (University of Toronto) and the candidates for Executive Committee members-at-large (2): **Paul Deck** (Virginia Tech), **Phil Henderson** (Air Products), **Tariq Muhammad** (Galaxy Chemicals), **Gary Schrobilgen** (McMaster University), and **Joseph Thrasher** (University of Alabama) for participating in this important service to our Division.

Thank you in advance for exercising your voting privilege. Let's go for a record-setting number of returned ballots this year.

I would like to remind everyone of the submission deadline (December 15, 2006) for Moissan Summer Undergraduate Research Fellowship proposals. The executive committee has authorized an increase of the fellowship amount from \$2,500 to \$3,500, effective 2007. Please consider submitting a proposal for these worthwhile and useful awards. More detailed information on the award can be found in this Newsletter.

We would like to extend our congratulations to the winner of the 2007 ACS Award in Creative Fluorine Chemistry – **Professor Kenji Uneyama** (Okayama University). The 2007 award will be sponsored by **Honeywell**, which will be alternating with **SynQuest** in sponsorship of this award over the next several years. Professor Uneyama will give his Award address during the 18th WFC. The Division will also be organizing a symposium to honor Professor Uneyama during the spring ACS National Meeting in Chicago. Congratulations are also due to Professor **Karl Christe** (University of Southern California) who won the prestigious **Alfred Stock Prize** from the German Chemical Society, which was presented to him in Bremen.

Your Division needs your help in the recruitment of new members. Please consult the Vice-Chair/Membership Report in this Newsletter for specific ways in which you can help. If there are concerns or questions you have regarding the Fluorine Division, please send me an e-mail.

If there are items you would like to have considered for inclusion in the Newsletter, please do the same. Be sure to check out the Division's website if you have not done so recently (<http://membership.acs.org/F/FLUO/>).

On behalf of the Executive Committee of the Division, I wish you all a pleasant and productive fall. I look forward to seeing you at future ACS meetings and Fluorine Division symposia.

Sincerely,



P. V. Ramachandran
Chair, 2006

Treasurer Report

ACS Division of Fluorine Chemistry Treasurer's Report as of June 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 June 2006 and the comparative numbers from the previous year.

The Division's total assets have increased substantially (14.2 %) over the course of the past 12 months. This increase is due, for the most part, to the proceeds from the 17th Winter Fluorine Conference (\$20,026.83).

The Moissan Summer Undergraduate Research Fellowship Fund (SURF fund) has increased 50% since last year; this increase is due to transfer of 17th WFC proceeds from the Division operating fund to the Moissan SURF fund.

ASSETS (as of 30 June 2006)

	(\$) as of 30 June 2005	(\$) as of 30 June 2006
ACS Investment Pool (market value)	110,902	117,928 (estimated)
Wachovia National Bank	19,119	18,418
American Express SPS Advantage Account		
Moissan SURF Fund	47,851	71,793.65
Total Assets	177,872	203,050
percent change		14.2%

Other financial highlights for the Division include:

- The Division provided \$4,500 in support to the "Current Directions in Inorganic Fluorine Chemistry" symposium that was held during the ACS National Meeting in Atlanta in March 2006.
- The Division provided \$4,500 in support to the "Fluorine in Heterocycles" symposium that was held at the ACS National Meeting in San Francisco in September 2006.
- The Division will provide \$2,500 in support to the one-day symposium on fluorine chemistry to be held during SERMACS in Augusta in November 2006.
- The Division of Fluorine Chemistry has provided four Moissan SURF Awards of \$2,500 each for summer undergraduate research in 2006.

Vice-Chair/Membership Report

The Division had, as of August 1, 2006, 662 members. We would like to 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.

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 of your graduate students and post-doctoral fellows to enroll.

We welcome the following new members to the Division: **Albert Gutierrez, Ahamed Muneer, Marcin Sawicki, Martin Schueler**, and reinstated member **Arata Yasuda**.

Division Councilor Report, 232nd ACS National Meeting

The ACS Council Meeting was held on Wednesday, September 13, 2006 in San Francisco, CA. In addition to the Council Meeting, I also participated in the Joint Board-Council Committee on Science Meeting on Saturday, September 9, 2006. 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 slate of nominees for membership on the Committee on Committee for the 2007-2009 term: Theodore M. Brown, H.N. Cheng, Milagros Delgado, Alan M. Ehrlich, Roland F. Hirsch, Neil D. Jespersen, Melanie J. Lesko, Vincent M. Mautino, Les W. McQuire and Charles F. Rowell. By written ballot, the Council elected H.N. Cheng, Milagros Delgado, Neil D. Jespersen, Les W. McQuire, and Charles F. Rowell.

The Committee on Nominations and Elections also presented to the Council, the following slate of Nominees for membership on the Council Policy Committee for the 20072009 term: Martha L. Casey, Dwight W. Chasar, M. Elizabeth Derrick, Thomas R. Gilbert, Joe W. Hightower, Barbara J. Peterson, Robert A. Pribush, and H. David Wohlers. By written ballot, the Council elected Martha L. Casey, M. Elizabeth Derrick, Thomas R. Gilbert, and Joe W. Hightower.

The Council Policy Committee presented to the Council, the following slate of nominees for membership on the Committee on Nominations and Elections: V. Dean Adams, G. Bryan Balazs, Merle I. Eiss, Marie G. Hankins, Charles P. Rader, Barbara A. Sawrey, Sharon P. Shoemaker, Herbert B. Silver, Ellen B. Stechel, and Don B. Weser. By written ballot, the Council elected Merle I. Eiss, Barbara A. Sawrey, Sharon P. Shoemaker, Herbert B. Silver, and Ellen B. Stechel.

The candidates for the fall 2007 ACS National Election were announced as follows:

President-Elect - 2007:

Bruce E. Bursten - University of Tennessee, Knoxville
Yorke E. Rhodes, Retired - New York University, New York
Bassam Z. Shakhashiri - University of Wisconsin, Madison
James A. Walsh, Retired - John Carroll University, Florida

Directors-at-Large - 2007-2009:

William H. (Jack) Breazeale, Jr. - College of Charleston, South Carolina
Dennis Chamot - National Research Council, Washington, DC

Peter K. Dorhout - Colorado State University, Ft. Collins
Paul R. Jones - University of North Texas, Denton
Valerie J. Kuck, Retired - Bell Labs, New Jersey
Dorothy J. Phillips - Waters Corporation, Massachusetts
Marinda L. Wu - Science is Fun! Company, California

Director, District I - 2007-2009:

Thomas R. Gilbert - Northeastern University, Boston
Anne T. O'Brien - Consultant (Retired - Wyeth-Ayerst Research), Tarrytown

Director, District V - 2007-2009:

John E. Adams - University of Missouri, Columbia
Judith L. Benham, Retired - 3M Company, Minnesota

Petitions for Consideration:

The Council received three petitions for consideration: Petition on Election Procedures 2006; Petition on Multi-Year Dues; and a Petition on Rules for Nominating Members of Nominations and Elections for National Office. A brief discussion ensued on the Petition on Rules for Nominating Members of Nominations and Elections for National Offices. Action is expected on these petitions at the 2007 spring national meeting in Chicago.

Registration Report:

As of September 12, 2006, the ACS fall national meeting had attracted 15,603 registrants. Totals in select categories are as follows: Regular attendees 9,373; Students 3,350; Guests 510; Exhibit Only 504; and Exhibitors 1,666. The Committee on Meetings and Expositions reported that national meeting financial targets continue to be met, and therefore recommended to the Board of Directors that there be no increase in national meeting registration fees for 2007.

On the recommendation of the Committee on Planning, the Board of Directors voted to adopt a revised ACS mission statement: *"To advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people"*.

ACS dues for 2007 were set at the fully escalated rate of \$132.00.

Vice-Chair/Programs Report

Many members of the Fluorine Division attended the **18th International Symposium on Fluorine Chemistry in Bremen, Germany, July 30 – August 4, 2006**. It was a successful meeting, with 159 invited and contributed papers and 165 posters. Approximately 350 fluorine chemists attended the meeting. Professor **Darryl DesMarteau** of Clemson University received the **2006 Moissan Prize** at the event. Our heart-felt congratulations to Darryl! Professors Rüdger Mews and Gerd-Volker Rösenthaller (both Division members) from the University of Bremen are to be congratulated for organizing and hosting a memorable symposium.

Upcoming Meetings

SERMACS 2006 (Southeastern Regional Meeting of the ACS) November 1-4, 2006, Augusta, GA

A symposium titled "*Advances in Fluorine Chemistry*" is being organized by Professors, Bill Dolbier (University of Florida) and Chad Stephens (Augusta State University) at the Southeastern Regional meeting with the sponsorship of the division. More information on this meeting can be found on the SERMACS 2006 web site: <http://www.sermacs2006.org/>.

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

The 18th Winter Fluorine Conference will be held on January 14-19, 2007 at the Trade Winds Island Grand Beach Resort in St. Pete Beach, Florida under the leadership of Dr. Viacheslav A. Petrov (Chair, DuPont) and Professor P. V. Ramachandran (Co-Chair, Purdue University). The multi-disciplinary format for the conference in a Gordon Conference style setting will feature versatility of fluorine with a theme titled "*Fluorine: The Enabling Element of Modern Chemistry*". In addition to 20 plenary lectures, a number of invited and contributed papers as well as posters will be showcased. The meeting will also feature the award lecture of Professor Kenji Uneyama (Okayama University), the 2007 ACS Award winner for Creative Work in Fluorine Chemistry. There will also be Winter Fluorine Conference Poster Competition Awards for graduate students along with the Division of Fluorine Chemistry Distinguished Service Award. Abstracts for presentations and posters should be submitted via ACS OASYS online system by **October 17, 2006**. For further information (registration, hotel reservation, etc.) please go to the Fluorine Division website: <http://membership.acs.org/F/Fluo/>.

233rd ACS National Meeting, Chicago, Illinois March 25-29, 2007.

A symposium titled "*Fluorine in Energy Research*" will be held during the 233rd National ACS Meeting in Chicago in March. In addition, an Award Symposium to celebrate the 2007 ACS Award for Creative Work in Fluorine Chemistry to Professor Kenji Uneyama will also be held in Chicago.

234th ACS National Meeting, Boston Massachusetts August 19-23, 2007

A symposium titled "*Nanostructured Fluorocarbons: Smart Modules for Self-Assembly Processes and Synthetic Protocols*" is being organized under the leadership of Professor Giuseppe Resnatti (Polytechnic of Milan, Italy).

The Fluorine Division will continue supporting Symposia to be held concurrently with ACS National Meetings on **Topics in Fluorine Chemistry**. It is also the policy of the Fluorine Division to encourage local ACS affiliates to conduct symposia on fluorine related subjects. In addition, the Fluorine Division is expanding its range of program activities to showcase the interdisciplinary nature of fluorine chemistry. Please send your comments or suggestions to the Vice-Chair for programs.

The Division expresses gratitude to all of the organizers.

INTERNATIONAL MEETINGS OF INTEREST TO MEMBERS OF THE ACS FLUORINE DIVISION

15th EUROPEAN SYMPOSIUM ON FLUORINE CHEMISTRY

July 15 –20, 2007, Prague, Czech Republic

Organizers:

Professor Oldrich Paleta (chairman)

Professor Jaroslav Kvicala (Secretary)

Department of Organic Chemistry

Institute of Chemical Technology, Prague

Technicka 5

166 28 Prague 6, Czech Republic

E-mail: 15esfc@vscht.cz

<http://www.vscht.cz/15esfc>

19th International Symposium on Fluorine Chemistry (Co-sponsored by the ACS Division of Fluorine Chemistry)

August 23-28, 2009, Jackson Hole, Wyoming, USA

Organizers:

Joseph S. Thrasher, Chair (University of Alabama)

fluorine@bama.ua.edu

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

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

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

<http://www.gtlc.com/default.aspx> (venue location website)

CALL FOR PROPOSALS

2007 MOISSAN SUMMER UNDERGRADUATE RESEARCH FELLOWSHIP IN FLUORINE CHEMISTRY

The American Chemical Society, Division of Fluorine Chemistry is committed to continuing its sponsorship of undergraduate research and actively encourages the submission of appropriate proposals for research to be conducted during the summer of 2007. This program is intended to encourage an interest in fluorine chemistry among prospective graduate students. The program will provide funds for a student's summer salary and will be awarded directly to faculty members conducting research in any area of fluorine chemistry at colleges or universities on the basis of competitively judged applications. The awards for 2007 are currently \$3,500 for a ten-week program. In addition, a limited stipend will be available for the student to present his/her research results at an ACS sponsored meeting. Research expenses in connection with this program will be the responsibility of the faculty member or his/her department or institution. The number of awards to be made will be dependent upon the funds available. Applications for funding under this program may be submitted by a faculty member conducting research in fluorine chemistry. The application should be no longer than five pages and should outline the specific research to be undertaken by the student, should present reasons for anticipating progress by the student during the allotted time, and should suggest how the program might encourage the student to pursue graduate work in fluorine chemistry. All applications must state that the faculty member has adequate facilities and sufficient additional funds to cover research

expenses for the proposed research program, and must be signed by the applicant. To be considered for an award in 2007, the Division Chair must receive an application by December 15, 2006. The application, in triplicate, should be sent to:

Prof. P. V. Ramachandran
Department of Chemistry
Purdue University
560 Oval Drive
West Lafayette IN 47907-2084

In addition to the three paper copies, an electronic submission in the form of a Word document should be submitted to chandran@purdue.edu. No more than one award will be provided to an individual applicant per year. Applications for funding under this program will be judged by a committee consisting of the Division Chair, one academic member and one industrial member of the Division of Fluorine Chemistry and one member-at-large of the Fluorine Division. The awards for 2007 will be announced in the Spring 2007 Newsletter of the Division and the award recipients will be notified prior to this by mail or telephone. It is anticipated that students in this program will have completed the equivalent of three years of a chemistry major's program, although outstanding students with less academic experience can also be considered. Faculty members will be urged to consider students from institutions other than their own and especially from schools that provide limited opportunities for undergraduate research. However, selection of a student for participation in this program will be at the sole discretion of the faculty member. The selection process should be completed by March 1, 2007. Brief reports (two to three pages) to the Division Chair are required from the faculty member and student by October 1, 2007. The faculty report should include a summary of technical accomplishments, skills realized by the student, perceived interest by the student in graduate work, and the perceived success or failure of this program in encouraging interest in fluorine chemistry by the student. The student report should include a summary of technical accomplishments and an evaluation of the influence of the award program in his/her decision to consider graduate work in chemistry or fluorine chemistry.

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

Vice Chair/(Programs) (three-year term, 2007-2009)

Viacheslav Petrov

Dr. Viacheslav Petrov started his career 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 later 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 Clemson University, where he spent over two years. In 1992 Dr. Petrov joined DuPont Co. as a visiting research scientist, and in 1994 obtained a permanent position in DuPont Central Research and Development (Wilmington, DE), where he is currently 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 100 papers, 5 review articles and 45 U.S. patents. In 1989 he received Harry Emeleus Prize for Creativity in Fluorine Chemistry by sponsored by the *Journal of Fluorine Chemistry* and Elsevier Science.

Andrei K. Yudin

Professor Andrei K. Yudin obtained his Ph.D. degree at the University of Southern California under the direction of Professors G. K. Surya Prakash and George A. Olah. He then took a postdoctoral position in the laboratory of Professor K. Barry Sharpless at the Scripps Research Institute. In 1998, he started his independent career at the University of Toronto, where he was granted early tenure in 2002. His research interests are in transition metal catalysis, development of novel synthetic methods, organofluorine chemistry, and synthesis of complex heterocycles of biological significance. Since the beginning of his independent academic career at the University of Toronto Dr. Yudin's team has made significant contributions in several areas of organic synthesis. In the area of asymmetric catalysis, Dr. Yudin showed that introduction of fluorine atoms at selected positions of the aromatic skeletons of chiral ligands such as BINOL causes significant alterations in catalytic properties of the corresponding metal complexes. Practical electrosynthetic transformations, another one of recent contributions from Dr. Yudin's lab, provides a new way of thinking about the redox processes in organic synthesis. Dr. Yudin's approach bypasses the requirement for stoichiometric or catalytic amounts of metal additives in organic redox reactions. Dr. Yudin has also invented a new strategy for development of practical oxidation processes. His recent studies in olefin amination have led to reexamination of the conventional amination mechanism, pointing out the possibility for ligand-controlled introduction of amines into complex environments. Synthetic methods developed in Dr. Yudin's lab have enabled unprecedented levels of selectivity for introducing nitrogen-containing groups into densely functionalized molecular environments. Since joining the Department of Chemistry, Dr. Yudin has been awarded a Research Innovation Award, a Cottrell Teacher-Scholar Award, the Premier's Research Excellence Award, the CSC Award in Combinatorial Chemistry (sponsored by Merck Frosst, Boehringer Ingelheim, AstraZeneca, and BioChem Pharma), and the Amgen New Faculty Award, among others.

Executive Committee (three-year term, 2007-2009)

Paul A. Deck

The third son of two chemists, Paul Deck grew up in Trenton, Michigan, just south of Detroit. He received his B.S. at Hope College in 1987 and his Ph.D. with Paul Gassman at the University of Minnesota in 1993. After two years of postdoctoral research with Tobin Marks at Northwestern University, he joined the faculty at Virginia Tech in 1995. Today Paul holds the rank of Associate Professor and teaches mostly inorganic chemistry. He has received NSF graduate and postdoctoral fellowships, the NSF CAREER Award, and the Cottrell Scholarship of Research Corporation.

Paul's research interests lie in aromatic organofluorine chemistry. His initial contributions focused on perfluoroaryl-substituted cyclopentadienes and metallocene complexes, but recently he has broadened his program to include metal-mediated CF bond activation and fluoropolymer synthesis. He received a 2006 Moissan Fellowship from the ACS Fluorine Division to enable a promising student to undertake research on fluorinated polyphenylenes.

Paul has focused his ACS service on the Southeast Regional Meeting (SERM) Steering Committee. He has held the offices of Chair-Elect and Chair (1999-2001), Secretary-Treasurer (2001-2004), and Secretary (2004-2007). Recently Paul set up a web-based electronic archive for SERM reports, documents, and correspondence that extends, at present, back to 1991. If elected to the Fluorine Division Executive Committee, he would explore ways that the Division could work with regional meetings to develop innovative programming.

During the off hours, Paul enjoys spending time with his wife (a chemist and crystallographer) and two daughters and pursues a few hobbies (piano, chess, home improvement, and tennis).

Philip B. Henderson

Phil was born and raised in Los Angeles, California. In 1983 he graduated cum laude from the University of California at Berkeley with a B. Sc. degree in Chemistry. He received his Ph.D. in chemistry in 1987 from the University of Southern California under the supervision of Dr. Kirby Scherer Jr. exploring the synthesis and chemistry of stable and persistent perfluorinated free radicals. This research experience, which included reactions using undiluted F₂ and other high pressure hazardous gases, prompted Air Products and Chemicals representatives attending the Winter Fluorine Conference in 1987 to recruit Phil for an industrial research position.

In his 19-year career at Air Products, Phil served as principal investigator on projects within the Specialty Gas Department involving indirect fluorination with metal fluorides, Electronic Specialty Gas analysis and purification, and surface fluorination of polyolefins with F₂. In 2000, Phil transferred to Air Product's Corporate Science and Technology Center where he has served as team lead for multiple projects including specialty gas separations/purifications, novel delivery systems for hazardous specialty gases using ionic liquids, and surface treatment and thin film deposition using low temperature atmospheric pressure plasma. Phil is co-inventor on 10 patents and co-author on 14 publications. He serves as webmaster of the ACS Fluorine Division web site.

Tariq Mahmood

Tariq Mahmood is the founder of Galaxy Chemicals, LLC. Galaxy Chemicals was started in August of 2000 and specializes in the manufacture of fluorine-based products. The fluorine-containing products provided by Galaxy Chemicals are used in semiconductor and pharmaceutical industries, as well as in research and development of new drugs. Galaxy Chemicals is located in Claremore, Oklahoma in a 225,000-square-foot facility. Prior to founding Galaxy Chemicals, Dr. Mahmood held various positions at Elf Atochem (now Arkema). Positions held include Business Manager, research chemicals, and Technical Manager. He was also Manager of Special Projects, which included large-scale production of fluorine chemicals. He graduated from the University of Idaho in 1986, under the supervision of Dr. Jean'ne M. Shreeve. He synthesized many stable and long-lasting fuel cell electrolytes for his doctoral degree. His post-doctoral research resulted in the production of a new class of perfluorinated phosphazane monomers. He is the author of patents and many publications in international journals and the Encyclopedia of Chemical Technology, and has made presentations at ACS national meetings. Tariq has attended the last nine fluorine conferences. As president of Galaxy Chemicals, he has acted as a sponsor for many fluorine conferences.

Gary J. Schrobilgen

Gary J. Schrobilgen, Professor, Department of Chemistry, McMaster University, received his B.S. degree in chemistry from Loras College and a Ph.D. in inorganic chemistry from McMaster University under the supervision of Prof. Ronald J. Gillespie. After two years of research as a Natural Sciences and Engineering Research Council (NSERC) of Canada Postdoctoral Fellow at Leicester University, U.K., Dr. Schrobilgen joined the McMaster Chemistry Department as a NSERC University Research Fellow (1980-90) and member of faculty in 1980, and was promoted to full Professor of Inorganic Chemistry in 1988. He has made important contributions in two major areas of main-group inorganic chemistry; fluorine chemistry, and the polyatomic anions of the main-group elements. Both programs are heavily reliant upon the use of modern methods of structural elucidation, including multi-nuclear magnetic resonance (NMR) spectroscopy, X-ray crystallography, and vibrational spectroscopy, for characterization of novel bonding situations among main-group element species. He is best known for his work in the experimentally challenging field of fluorine chemistry, encompassing the syntheses and structural characterization of over half the known compounds of the noble gases as well as fluoro- and oxofluoro-derivatives of the main-group, transition elements in their highest oxidation states and at the limits of coordination, and ^{18}F -labelled radiopharmaceuticals of use in PE (positron emission) in medical imaging. His work has been of importance in our understanding of structure and chemical bonding in so-called "hypervalent" molecules and main-group cluster molecules. He is the 1998 recipient of the American Chemical Society Award for Creative Work in Fluorine Chemistry and is a Canada Council Killam Research Fellow (1998-1999). He was also awarded the 1997 President's Award for Excellence in Graduate Supervision at McMaster University. He was elected a Fellow of the Royal Society of Canada in 1999. He is recipient of the President's Award for Excellence in Graduate Supervision at McMaster University (1997); the American Chemical Society Award for Creative work in Fluorine Chemistry (1998); several Canadian Society for Chemistry Awards: the Alcan Lecture Award (2002), the Award for Pure or Applied Chemistry (2002), the E. W. R Steacie Award in Chemistry (2003); and has held a Canada Council Killam Research Fellowship (1998-99). He was elected a Fellow of the Royal Society of Canada (Canada's National Academy) in 1999. Professor Schrobilgen is currently Immediate Past Chair of the American Chemical Society's Division of Fluorine Division, having previously served as Chair (2005) and Vice Chair/Secretary (2002-2004).

Joseph S. Thrasher

Joe Thrasher is currently Professor and Chair of the Department of Chemistry at The University of Alabama (UA). 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 became Chair in 2002 after serving as Director of Graduate Studies for seven years. The UA Department of Chemistry currently has all-time highs in the number of faculty, graduate students, and chemistry majors, and recently moved into a new facility during the summer of 2004 (see *Chemical and Engineering News*, June 7th, 2004 issue). His research interests, funding, and publications are in three primary areas: (1) main-group fluorine chemistry, (2) industrial fluorine chemistry, where he has had eighteen consecutive years of research support from the DuPont Company, and (3) fuel cell 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. 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 is currently the organizing chair of the 19th International Symposium on Fluorine Chemistry (ISFC) to be held in Jackson Hole, WY August 23-28, 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 currently also serves on the Governing Board of the Council for Chemical Research (CCR).

Please VOTE by 15 November!
OFFICIAL BALLOT ATTACHED TO THIS NEWSLETTER

**OFFICIAL ELECTION BALLOT
DIVISION OF FLUORINE CHEMISTRY OFFICES FOR 2006**

VICE CHAIR (PROGRAMS)

(Vote for One)

Viacheslav Petrov []

Andrei K. Yudin []

Write-in candidate: _____ []

EXECUTIVE COMMITTEE MEMBERS-AT-LARGE

(Vote for Two)

Paul A. Deck []

Philip B. Henderson []

Tariq Mahmood []

Gary J. Schrobilgen []

Joseph S. Thrasher []

Write-in candidate: _____ []

Voting Instructions:

1. Mail the completed **Official Election Ballot** in an envelope with your signature and printed name on the return address of the envelope. **Ballots from unsigned envelopes will not be counted nor will FAXed ballots or those submitted in electronic form be counted.**
2. Mail the completed ballot, **postmarked** no later than **15 November, 2006**, to:

Professor Brian A. O'Brien
Department of Chemistry
Gustavus Adolphus College
800 West College Avenue
St. Peter, MN 56082-1498
USA

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 that is sent to all members)

CURRENT MEMBER OF ACS? YES NO

ACS MEMBERSHIP NUMBER: _____

CURRENT MEMBER OF DIVISION OF FLUORINE CHEMISTRY? YES NO

(NEW MEMBERS OF THE FLUORINE DIVISION WILL HAVE THEIR DUES WAIVED FOR THE FIRST YEAR ONLY. THE RENEWAL DUES FOR 2006 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:

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(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
Department of Chemistry
University of Oklahoma
620 Parrington Oval, Room 208
Norman, OK 73019-3051
FAX: (405) 325-6111



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