

FALL NEWSLETTER

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Official Ballots for:

- (1) Election of Executive Committee Positions
 - (2) Vote on Proposed New Fluorine Division Bylaws
- September, 2003

Message from the Chair

Having just returned from the ACS Fall meeting in New York, I wanted to make some comments while my memory is still fresh. For those of you unable to attend, the weather was beautiful and the programming excellent. Attendance at the two symposia was high due no doubt to the hard work of **Vadim Soloshonok** and **Slava Petrov** (Fluorinated Synthons) and **Bruce Smart** (Fluorine in Alternative Energy Sources) in obtaining a large number of interesting speakers and diverse presentations as well as for the work of **G. B. Hammond** as Program Chair in the general sessions.

I would like to remind everyone about the Moissan Summer Undergraduate Research Fellowship proposals which are due by the end of the year. The deadline for submittal of a proposal has been extended until December 15. Please consider submitting a proposal for these worthwhile and useful awards. More detailed information on the award can be found in the Spring newsletter which is available on the Divisional Internet site:

<http://membership.acs.org/F/FLUO/index.htm>

This issue of the newsletter contains several important items of special note. The ballot for the election of the divisional officers is included in this issue. We have an excellent slate of candidates this year. Please exercise your privilege and vote. Let's try to aim for a record setting number of returned ballots this year.

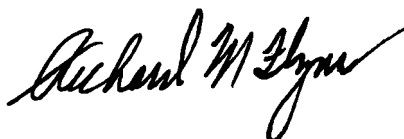
In addition to this vote, you will also note that you will need to vote for or against the new set of proposed bylaws. These bylaws have been posted on the Fluorine Division website since May. If you haven't had a chance to read them, please do so and then cast your vote to accept them. It is by no means a trivial job to craft bylaws and get them approved by the ACS and we are finally in the home stretch. Thanks to **Steve DiMagno** and his committee for their hard work in preparing these bylaws for implementation.

Please read over Chandran's request that you send in the **Opt-In Form**. This has been discussed several times in the past but it has a greater importance at this time. We are planning to publish the next Fluorine Membership Directory sometime in January, 2004. At this time we have approximately 50% of the members who have agreed to have their information published in this directory. Those members who do not choose to have their information included in the directory will **not** receive a copy of the directory (by ACS regulations). So if you would like to get a copy of the directory please get your **Opt-In Form** into Chandran.

Let's welcome our colleagues from the recently established **Réseau Français du Fluor (French Network on Fluorine)**. We just missed publication of their announcement in the Spring newsletter but be sure to read about them in the appended letter from **Alain Tressaud**.

Finally I would like to extend my congratulations to the winner of the 2004 ACS Award in Creative Fluorine Chemistry - **G. K. Surya Prakash**. The 2004 award will be sponsored by **SynQuest** who will be alternating with **Honeywell** in sponsorship of this award over the next several years.

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. Hope you have a pleasant fall.



Chair, 2003

Treasurer Report

Assets (as of 30 June 2003)

	(\$) as of 30 June 2002	(\$) as of 30 June 2003
ACS Investment Pool (market value)	93,037.42	95,564.45
Morgan Stanley Dean Witter		
Prime Income Trust	4,494.55	4,705.76
Liquid Asset Fund	10,747.49	829.05
Limited Duration Fund Ex "C"	3,308.73	3,411.73
Moissan Fellowship Total	22,967.41	23,182.28
MFS Mass Investors Trust "A"	9,415.50	9,136.43
Oppenheimer U.S. Gov Trust "A"	6,080.70	6,600.95
Limited Duration Fund	5,321.44	5,487.10
Putnam Int. Growth Fund "A"	2,149.77	1,957.80
First Union National Bank	9,027.54	6,941.47
Total Assets	143,583.14	134,634.74
percent change		-6.2%

Moissan Summer Undergraduate Research Fellowship in Fluorine Chemistry

	(\$) as of 30 June 2002	(\$) as of 31 March 2003	(\$) as of 30 June 2003
MFS Mass Investors Trust "A"	9,415.50	8,037.70	9,136.43
Oppenheimer U.S. Gov Trust "A"	6,080.70	6,513.89	6,600.95
Limited Duration Fund	5,321.44	5,469.66	5,487.10
Putnam Int. Growth Fund "A"	2,149.77	1,681.49	1,957.80
Total	22,967.41	21,702.74	23,182.28
% Change		-5.5%	+6.8%

Points to note: The poor performance of the Stock Market has resulted in the continued devaluation of our Division's holdings. The Moissan Fund holdings have not grown owing to the poor performance of the Market and the fact that the Division has not contributed to the Fund since the year 2000. The net assets of the Division are expected to increase in the final calendar quarter of 2003 due to the significant revenue generated at the 16th Winter Fluorine Conference. The revenue from the 16th Winter Fluorine Conference is not reflected in the figures above.

Vice-Chair Membership Report

The Fluorine Division welcomes the following new members and looks forward to their participation in the Fluorine Division's activities:

Rezwan Ashique (McMaster University, Canada), Debanjan Biswas (Purdue University, IN), Burak Birkan (Sabanci University, Turkey), Prabhudas Bodhuri (University of Alberta, Canada), Nemat Bozorgi (Iran), Zheng Changge (Shanghai Inst Org Chem, China), David Cummins (Kansas City, MO), Paul A. Deck (Virginia Tech, VA), Lawrence Dube (Merck Frosst, Canada), El-Hadj Elandaloussi (Tuscon, AZ), Maik Finze (Nienburg, Germany), John O. Hauptfleisch (Tuscaloosa, AL), Subash Jonaalagadda (Purdue University, IN), Kelly G. Kolliopoulos (Dupont Fluoroproducts), Karsten Koppe (Universität Duisburg-Essen, Germany), Rakesh Kumar (Indianapolis, IN), Jeya Kumari (Chennai, India), Risto Laitinen (University of Oulu, Finland), Clinton F. Lane (Northern Arizona University, Flagstaff, AZ), Nicholas J. Lawrence (Cardiff University, UK), S. Clark Ligon (Clemson University, SC), B. Narsaiah (IICT, Hyderabad, India), Pakritsadang Kaewsuya (Tuscaloosa, AL), John C. Keresztesy (Rockville, MD), George Kostov (ENSCM, Montpellier, France), Joseph M. Mabry (Lancaster, CA), Venkatram R. Mereddy (Purdue University, IN), Matthew D. Moran (McMaster University, Canada), Arumugam Pandurangan (Munich, Germany), Chaya Pooput (University of Florida, Gainesville, FL), Debarshi Pratihar (Purdue University, IN), P. Shanthan Rao (IICT, Hyderabad, India), Ch Vishwesh Reddy (Ketomac Labs, India), Doaga Rodica (Bucharest, Romania), Gregory Smith (McMaster University, Canada), Amit Srivastava (Purdue

University, IN), Alison M. Stuart (University of Leicester, UK), Reijo J. Suontamo (University of Jyväskylä, Finland) Shinji Takeuchi (Nissho Iwai Amer Corp, Los Angeles, CA), Emmanuelle Thomas (Imperial College, London, UK), Alessandro Volonterio (DCMIC Politecnico di Milano, Italy), Frank Waters (High Springs, FL), John M. Wiseman (Rockledge, FL), Yu Yang (Polytechnic University, Brooklyn, NY), Vladimir Zakharov (J&C kirovo-Chesetsky Khim. Kombinat, Russia).

The Fluorine Division has added 76 new members thus far in 2003. Unfortunately, 63 of the past members resigned from the Division. The current membership stands at 683. The Division has planned more activities in the future, which will enable members to interact and share their common interests with other members with an overall aim of reducing resignations and increasing membership. We welcome your creative ideas for retaining members and enlisting new members.

We are requesting each of our members to take a proactive role in membership recruitment in an effort to significantly increase our membership. We ask that you approach your colleagues, including graduate students, research associates, post doctoral fellows and external collaborators, whom you know to be actively engaged in some aspect of fluorine chemistry, and urge them to visit the Division's website in order to become familiar with the scope of the Division's activities and the advantages of membership. It is particularly important that we familiarize younger colleagues with the Fluorine Division's activities to help ensure the future sustainability of the Division. Those interested in joining the Fluorine Division may use the membership form attached to this Newsletter or that available on the Fluorine Division's website:

<http://membership.acs.org/F/FLUO/index.htm>

It is worth pointing out to prospective members that the membership fee for the first year is waived.

Fluorine Division members are requested to consult the **Membership Directory Opt-In** form, attached as a post card to this Newsletter. Please note that we will be printing the Membership Directory in January, 2004 and would like your response indicating whether or not you wish to be included. If you have not sent in an Opt-In form, your name will not appear in the Directory. If you have not done so already and you wish to be included in future membership directories, it is important that you return the attached Opt-In form to P. V. Ramachandran at your earliest possible convenience. The completed form need be submitted only once. If there has been a postal address/e-mail address or telephone number change, please notify P. V. Ramachandran so that your most recent address and telephone numbers will appear in the directory.

Division Councilor Report, 225th ACS National Meeting

The ACS Council Meeting was held on Wednesday, September 10, 2003 in New York, NY. In addition to attending the Council Meeting, I also attended the Joint Board-Council Committee on Science Meeting on Saturday, September 6, 2003. Detailed below are some points of interest from the Council Meeting.

This Council Meeting was the first one in my memory in which there were no petitions before the Council to be voted on; consequently, the Council conducted mostly routine business. We elected four new members to the Committee on Committees; four new members to the Council

Policy Committee; and five new members to the Committee on Nominations and Elections. The remaining parts of the Council Meeting were devoted to reports by the President of the ACS, President-Elect, Immediate Past President, Chair of the Board of Directors, and the Executive Director of the ACS. Reports of standing committees of the ACS were also presented.

The ACS had a \$3.1 million deficit in 2003; however, resources indicate that next year the ACS should be back in the black.

The membership ratified the changes in the constitution, thereby clearing the way for the changes to the Constitution and Bylaws that will provide increased support for divisions and local sections. The ACS president has now raised the question: "What will divisions and local sections **do** with the extra support?" The ACS will continue to monitor sections and local sections for visible signs of progress. These units must evaluate their current activities and continue only those that have value to their members. The membership must be able to see that the additional moneys they are paying are put to good uses, not just spent on routine activities. The ACS is particularly encouraging joint programs between 1, 2, or 3 etc. divisions rather than strictly individual division programming.

Donald J. Burton
Councilor for the Fluorine Division

Vice-Chair Programs Report

A. 226th ACS National Meeting, New York City, September 7-11, 2003

The Fluorine Division was well represented at the New York City Meeting with two successful symposia and a general papers session. The **Fluorinated Synthons Symposium** (co-sponsored with the ORG and MEDI Divisions) and co-organized by Professor Vadim Soloshonok (U. Oklahoma) and Dr. Vlacheslav Petrov (DuPont) was held on Sunday and Monday. It included a total of 30 speakers whose talks were distributed over four sessions and two days and was capped with a well-attended celebration banquet on Monday evening. The **Fluorine in Alternative Energy Sources Symposium**, organized entirely by Bruce Smart, was held on Tuesday and consisted of 10 plenary talks. Our sincere thanks and deep appreciation to Bruce Smart, Vadim Soloshonok and Slava Petrov for their very efficient organizing work. Special kudos to Vadim and Slava for their successful fund raising efforts to support an outstanding list of international speakers at the **Fluorinated Synthons Symposium**. Abstracts of all the talks that took place in the Fluorine Division section of the New York City meeting can be found online at:

<http://membership.acs.org/f/fluo/fluo226.pdf>.

B. Planned Meetings

227th ACS National Meeting: Anaheim, CA, March 28-April 1, 2004

The Fluorine Division will honor and celebrate the selection of Prof. Surya G.K. Prakash (U. Southern California) as the 2004 recipient of the ACS Award for Creative Work in Fluorine with a special one-day symposium and banquet. Professor A. Yudin (U. Toronto), a former student of Professor Prakash, has accepted the task of organizing this symposium.

228th ACS National Meeting: Philadelphia, PA, August 22-26, 2004

- (1) A joint tutorial with the Chemical Toxicology Division on **Toxicology in Fluorine Chemistry** is planned. This will be a Sunday, half-day tutorial organized by Fred Behr (3M, St. Paul, MN).
- (2) A symposium on **Industrial Fluorine Chemistry** (one day), organized by George Shia Honeywell, Buffalo, NY) and Bob Syvret (Air Products and Chemicals, Inc., Allentown, PA) will also be featured. The Division of Industrial and Engineering Chemistry will co-sponsor this symposium.
- (3) A symposium on **Analytical Fluorine Chemistry**, co-sponsored with the Division of Analytical Chemistry and co-organized by Olga Sharts and Dale Shellhamer (Point Loma University). This symposium will cover important topics in fluorine-analytical chemistry: spectroscopy, spectrometry, chromatography (fluorous supports, etc.), tomography, electrochemistry, etc. A half-day module session on industry and regulatory issues is being tentatively considered.

Pacifichem 2005; December 15-20, 2005, Honolulu, HI

The proposal by Gary J. Schrobilgen (McMaster University), Rika Hagiwara (Kyoto University) and William J. Casteel, Jr. (Air Products and Chemicals, Inc., Allentown, PA) to organize a symposium on **Inorganic Fluorine Chemistry: Bridging Fundamental and Applied Chemistry**, has been approved. Please contact Gary, Rika or Bill for details. Professor Takashi Yamazaki (Department of Applied Chemistry, Faculty of Technology, Tokyo University of Agriculture and Technology, 2-24-16 Nakamachi, Koganei-city 184-8588, Japan. Tel. & FAX +81-42-388-7038, e-mail: tyamazak@cc.tuat.ac.jp) is planning the organic fluorine activities. The procedure and deadlines for submitting proposals are given at the following website: <http://www/pacifichem.org/>

C. Future Activities

Professor William Dolbier, Jr. (U. Florida) and Dr. Bruce Smart (DuPont) are planning a series of annual colloquia to be held concurrently with ACS National Meetings on **Topics in Organofluorine Chemistry**. The first colloquium is planned for 2005 (Washington D.C. ACS National Meeting). In addition, the Fluorine Division is expanding its range of program activities in national meetings by organizing one-session tutorials on various cutting-edge scientific and technological applications where fluorine has shown its uniqueness. The following tutorials are in the planning stages: **Fluorine in Nanotechnology** and **Fluorous Technology**. If you have suggestions for other topics, we would like to hear from you. Please send your comments or suggestions to the Vice-Chair for Programs.

INTERNATIONAL MEETINGS OF INTEREST TO MEMBERS OF THE ACS FLUORINE DIVISION

INTERNATIONAL CONFERENCE ON FLUORINE CHEMISTRY '04 KYOTO (JAPAN)

May 9-11, 2004, Kyoto International Conference Hall

Chairman:

Professor Hiroki Yamanaka,

General Secretary: Professor Takashi Ishihara,

Department of Chemistry and Materials Technology,

Kyoto Institute of Technology, Matsugasaki, Sakyo-ku,

Kyoto 606-8585, Japan.

E-mail: fluorine@ipc.kit.ac.jp

<http://www.bj.wakwak.com/~f155/ICFC.html>

14th EUROPEAN SYMPOSIUM ON FLUORINE CHEMISTRY

July 11-16, 2004, Poznan, Poland

Organizer:

Prof. Henry Koroniak

Faculty of Chemistry

Adam Mickiewicz University

Grunoacdzua 6

60-780 Poznan, Poland

E-mail: koroniak@amu.edu.pl

<http://main.amu.edu.pl/~fluor2k4>

17th WINTER FLUORINE CONFERENCE

January 8-14, 2005, TradeWinds Hotel, St. Pete Beach, Florida

Organizer:

Prof. Surya G.K. Prakash

Loker Hydrocarbon Research Institute

University of Southern California

University Park

Los Angeles, CA 90089-0001

E-mail: gprakash@usc.edu

17th INTERNATIONAL SYMPOSIUM ON FLUORINE CHEMISTRY

This meeting was originally scheduled for July 20-25, 2003, Shanghai, China, but was postponed until 2005; dates to be announced.

Organizer:

Prof. Feng-Ling Qing

Shanghai Institute of Organic Chemistry

Chinese Academy of Sciences

354 Fenglin Road,

Shanghai 200032, P. R. China

Fax: 86-21-64166128

E-mail: fluorine@pub.sioc.ac.cn; flq@pub.sioc.ac.cn

<http://www.sioc.ac.cn> (This site has not been updated since the 17th ISFC was postponed.)

Call for Proposals
2004 Moissan Summer Undergraduate Research Fellowship
in Fluorine Chemistry

The Fluorine Division is committed to continuing this program and actively encourages the submission of appropriate proposals for research to be conducted during the summer of 2004. 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 2004 are currently \$2,500 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 2004, the Division Chair must receive an application by December 15, 2003. No more than one award will be provided to an individual applicant per year. The application, in triplicate, should be sent to:

Richard M. Flynn
3M Center
Bldg. 236-3A-04
St. Paul, MN 55144

Alternatively, an electronic submission in the form of a Word document may be submitted to rmflynn@mmm.com.

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 2004 will be announced in the Spring 2004 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, 2004.

Brief reports (two to three pages) to the Division Chair are required from the faculty member and student by October 1, 2004. 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, 2004-2006)

G. K. Surya Prakash

Surya Prakash received BSc (Hons) degree in chemistry from Bangalore University, India (1972), MSc in Chemistry from Indian Institute of Technology, Madras, India (1974) and a Ph. D degree in Chemistry from University of Southern California, USC (1978) for the bulk of the research work carried out at Case Western Reserve University, Cleveland (1974-1977) under the tutelage of George A. Olah. After post-doctoral work at USC in the newly created Loker Hydrocarbon Research Institute (1978-1980), he joined the USC Chemistry Department as a Research Assistant Professor in 1981 and was promoted to Research Associate Professorship in 1984. He was appointed as a tenure-track Associate Professor in 1990 and was promoted to full professorship in 1994. In 1997, he was appointed to the newly created George A. and Judith A. Olah Nobel Laureate Chair in Hydrocarbon Chemistry. In 2000 he became the Scientific Director of the Loker Hydrocarbon Research Institute. His research interests are in the areas of hydrocarbon and superacid chemistry, synthetic method development particularly, in the organofluorine area, polymer and electrochemistry. He has published more than 460 peer-reviewed scientific papers, reviews and book chapters, coauthored or edited six books (all impacting the fluorine field) and holds 12 patents. He has been an active member of ACS for more than 25 years. He has organized many national and international symposia at USC (well renowned annual Kibrough Symposia) and ACS Meetings. He was the Co-Chair of the 16th Winter Fluorine Meeting at Florida in 2003 and is Chairing the 17th Winter Fluorine Meeting in 2005. He also organized (with W. P. Weber) XXV International Silicon Symposium in 1992 at Los Angeles. He has held visiting professorships and has won many awards and accolades including the USC Associates Award for Creativity and Scholarship (2000) and 2004 ACS Award for Creative Work in Fluorine Chemistry. He was the Advisory Editor of the International Journal of Porphyrins and Pthalocyanines (1997-2000) and currently a member of the Editorial Advisory Boards of the Journal of Organic Chemistry, Indian Journal of Chemistry (B) and Journal of Nanoscience and Nanotechnology.

Statement from Surya Prakash:

Fluorine Division is an interdisciplinary division that impacts on several fields. I strongly believe in organizing symposia/programs in interdisciplinary fields. This will help us to attract new members and new blood.

Continued...

Vadim A. Soloshonok

After completing his Ph.D. studies under the direction of Professor Valery P. Kukhar in 1987, Vadim spent the next two years at the Nesmeyanov Institute of Organometallic Compounds, Moscow, USSR (now Russia), working with Professor Yury N. Belokon' on asymmetric synthesis of fluoro-amino acids. In 1993 he spent one year as visiting Professor at Politecnico di Milano; Milan, Italy, working with Professor P. Bravo on the application of chiral sulfoxides for asymmetric synthesis of fluorine-containing compounds. In 1994 he was awarded a JSPS Fellowship to join Professor Tamio Hayashi's group where he worked on catalytic asymmetric synthesis of fluoro-amino acids. In 1995 he was offered a senior scientist position at the National Industrial Research Institute of Nagoya, Japan, where he worked for 3 years on various projects focusing on the development of new methods for asymmetric synthesis of biologically relevant fluorine-containing compounds. In 1998 he moved to the University of Arizona, Tucson, to join Professor Victor J. Hruby's group as a Visiting Scientist. In Tucson, his main goal was the synthesis of sterically constrained amino acids and small peptides with a presupposed 3D-structure. In 2001 he joined faculty of the Department of Chemistry and Biochemistry, University of Oklahoma, Norman, where he is actively developing several research projects on various aspects of asymmetric synthesis and fluorine chemistry. He is the author of seven patents and 130+ publications and has contributed many papers at various Fluorine Division meetings. His editorial activity includes: Fluorine-Containing Amino Acids. Synthesis and Properties, Kukhar, V. P.; Soloshonok, V. A. Eds., John Wiley & Sons Ltd., 1994; Enantiocontrolled Synthesis of Fluoro-Organic Compounds, Tetrahedron Asymmetry Special Issue, Guest Editors: T. Hayashi and V. A. Soloshonok, Tetrahedron: Asymmetry, 1994, 5, N 6; Fluoroorganic Chemistry: Synthetic Challenges and Biomedical Rewards, Tetrahedron Symposium-in-Print, #58; Guest Editors: G. Resnati and V. A. Soloshonok, Tetrahedron, 1996, 52, N 1; Enantiocontrolled Synthesis of Fluoro-Organic Compounds, Soloshonok, V. A. Ed., John Wiley & Sons Ltd., 1999; Asymmetric Synthesis of Novel Sterically Constrained Amino Acids, Tetrahedron Symposia-in-Print; #88; Guest Editors: Hruby, V. J. and Soloshonok, V. A. Tetrahedron 2001, 57, No 30; as well as Enantioselective Synthesis of beta-Amino Acids, jointly with Professor Eusebio Juaristi edited for John Wiley & Sons Ltd., scheduled to appear in 2004. He has been a member of the Fluorine Division for many years and recently (ACS meeting in NY, 2003) organized for the Division the symposium "Fluorinated Synthons" consisting of 31 oral presentations.

Executive Committee (Three-year term, 2004-2006)

William J. Casteel, Jr.

Bill Casteel, Lead Research Chemist, Air Products and Chemicals, Inc., received his B.S. degree in chemistry from Rhodes College in 1987. During this time, Bill was first introduced to fluorine chemistry as part of a summer program in Prof. Joseph Thrasher's research group at the University of Alabama (1986). Bill received a Ph.D. in inorganic chemistry from the University of California at Berkeley, under the supervision of Prof. Neil Bartlett. While there, he worked on the synthesis of high oxidation state transition metal fluorides. After two years of research as a National Science Foundation (NSF) NATO Postdoctoral Fellow at McMaster University, working in Prof. Gary Schrobilgen's research group on applications of noble-gas fluorides to oxofluoride synthesis, Bill joined the Corporate Science and Technology Center of Air Products and Chemicals in 1995. At Air Products, Bill's research has focused on applications of inorganic

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fluorinating agents, such as F₂ and O-F compounds, to the selective electrophilic fluorination and deoxofluorination of fine chemical intermediates for the electronics and pharmaceuticals industries, as well as the production of fluorinated performance materials. Bill is a member of the Fluorine Division and has attended conferences represented by the Fluorine Division since 1989.

Richard E. Fernandez

Rick received a B.S. from Loyola University in New Orleans in 1983 and a Ph.D. in Chemistry from the University of Southern California in 1987. He then hired into the Freon® Division of Dupont Chemicals where he worked to develop CFC and Halon® alternatives. After a stint in CR &D management, he returned to the Fluoroproducts SBU to develop an improved Nafion® process. He then moved to the Fayetteville Works site to implement the new process. Rick left Dupont behind in January of 2002 and is now President of Rf Consulting and an Associate Research Professor in the Chemistry Department of the University of Alabama. Rick has authored four chapters and several papers related to fluorine chemistry and he holds 15 US patents.

Brian A. O'Brien

Brian O'Brien received his B.S. degree in Chemistry from the Georgia Institute of Technology in 1975, and his Ph.D. in Chemistry (organic) from the Georgia Institute of Technology in 1980. His thesis work involved oxidations alcohols by potassium chlorochromate, and synthesis of acylphosphides and acylphosphines. He worked as a postdoctoral associate with Prof. Darryl DesMarteau at Kansas State University during 1981-82. During the period 1982-85, he worked as a visiting faculty member at Clemson University, teaching and doing research with Prof. DesMarteau. Most of the work involved reactions of F₄S=NF, reactions of SF₄ with halogen triflates and fluorosulfates, reactions of perfluoro-N-methyloxaziridine, and preparation and reactions of highly halogenated N-bromoimines. He is author/coauthor of 12 papers, and he and his students have made professional presentations at a variety of meetings, including national and regional ACS meetings and various undergraduate symposia.

Prof. O'Brien joined the faculty of Gustavus Adolphus College in 1985, where he is currently Associate Professor of Chemistry. Teaching responsibilities are concentrated in organic chemistry (introductory and advanced) and inorganic chemistry, advanced synthetic laboratory (organic and inorganic chemistry) and a senior special topics course. He recently completed a sabbatical year with Prof. Joseph Thrasher of the University of Alabama, Tuscaloosa, doing research in organo- and fluoroorganophosphorus chemistry, new applications of the nucleophilic trifluoromethylating agent CF₃Si(CH₃)₃ (Ruppert's reagent), and the design and synthesis of materials for inhibition of methanol diffusion through membranes (such as Nafion®) that are under investigation for use in fuel cells. Further research in all of these areas is being continued at Gustavus, and future extensive collaboration with the Alabama group is planned.

Current research interests, pursued at Gustavus during both the academic year and summer with undergraduate students, include coordination chemistry and main-group synthetic applications of phthaloylphosphides and phthaloylphosphines (including partly fluorinated derivatives), synthetic applications of ionic liquids, chemistry of low-coordinate phosphorus compounds such as *t*-alkylphosphalkynes and F₂C=P-CF₃, fluorinated phosphines such as (CF₃)₂PH, and preparation and chemistry of high-valent osmium and rhenium compounds.

Continued...

Charles W. Martin

Charlie Martin received his B.S. degree from the University of Pennsylvania and his Ph.D. from the University of Kansas in physical organic chemistry. The early part of his 24-year career at Dow Chemical was focused on amine chemistry and corrosion inhibitor technology. His work in fluorine chemistry began in 1979 with the Dow project to develop their new short side chain perfluorinated ionomer. Over the next 15 years, his responsibilities included process development for the new family of intermediates and monomers required to produce the perfluorinated carboxylic ester and sulfonyl fluoride polymers and he led the group during much of the scale-up phase of the market development facilities. He then returned to the research side of the project splitting his time between the design and synthesis of new perfluorinated polymers and their application to chlor-alkali, fuel cells and membrane separations. After retiring from Dow as an Associate Scientist in 1995, Charlie joined the faculty at Clemson University as a Visiting Professor to teach Industrial Chemistry and continue his long-standing collaboration with Darryl DesMarteau in perfluorinated ionomers. This collaboration led to a new family of ionomers based on the perfluorocyclobutyl-aromatic backbone structure. In 1998, he joined W. L. Gore & Associates in the Fuel Cell Technology Group where he is responsible for the development of specialty fluoropolymers for electrochemical applications.

Charlie has co-authored over 50 publications, patents and presentations including two book chapters. He has chaired the Gordon Research Conference on Ion Containing Polymers and a conference on Advanced Ionomer Membranes sponsored by the Army Research Office.

Please VOTE by 15 November!

**OFFICIAL BALLOT ATTACHED TO THIS
NEWSLETTER**

RESEAU FRANÇAIS DU FLUOR

Alain TRESSAUD	
<i>Directeur de Recherche CNRS</i>	
Tél. (33) 05.40.00.63.01	
Fax (33) 05.40.00.27.61	
E-mail : tressaud@icmcb.u-bordeaux.fr	

Bordeaux, Sept. 25, 2003

Dear ACS Fluorine Division Colleagues,

I am pleased to inform you that the French Network on Fluorine ("Réseau Français du Fluor") has been initiated a few months ago by the Chemical Sciences Department of CNRS (J. C. Bernier, Director).

The Network is composed of the main French research groups interested in fluorine and fluorinated materials both from University and Industry.

The aim of this Network is to promote all aspects of fluorine chemistry through meetings, dissemination of information, sponsoring of joint research works between French University and Industry groups. The concerned topics include organics, inorganics, biocatalysis, polymers, surfactants, and also the involvement of fluorine and fluorinated materials in materials sciences, surface treatments, life sciences, energy conversion, new technologies, environment.

Forums and workshops are organized on topics which allow a participation of scientists from different backgrounds, thus favoring a cross-fertilization. The first one, devoted to "*Fluorine & Life Sciences*", was held on December 2002. On April 23-25, 2003, a "*French-Japanese Seminar on Fluorine in Inorganic Chemistry & Electrochemistry*", sponsored by the Network took place at the Ministry of Research in Paris. A short report on the papers presented at this meeting is available on the ACS Fluorine Division's website.

The next Seminar will be held in Paris on October 15, 2003 at University P. & M. Curie; the topics will relate to "*Fluorine & Energy Conversion*". Three sessions will deal with fluorinated materials in Li-ion batteries and in fuel cells and also with the place of fluorine in the nuclear cycle.

Additional information on "Réseau Français du Fluor" is available on the website of the Network, in French or English:

<http://volvo.univ-lemans.fr/sciences/fluorures/GISFluor/>

The organization of the Network follows:

Executive Committee :

A. TRESSAUD, Chair
S. RATTON, Vice-Chair
B. AMEDURI, General Secretary

Scientific Committee :

J.L. ADAM	Rennes	P. MAESTRO/S. RATTON	RHODIA
B. AMEDURI / B. BOUTEVIN	Montpellier	B. MOREL / A. JOURDAN	Comurhex / Cogema
C. BAQUEY	INSERM-Bordeaux	C. PORTELLA	Reims
J.P. BEGUE	Châtenay-Malabry	P. REVOL	CEA-Valrho
B. LANGLOIS	Lyon	I. RICO-LATTES	Toulouse
M. LEBLANC	Le Mans	A. TRESSAUD	Bordeaux

We would appreciate it if you could pass on the information contained in this letter through your newsletter.

Don't hesitate, of course, to contact me directly for any further information.

With my best regards,

Alain Tressaud



ICMCB-CNRS
87, Avenue Dr. A. Schweitzer, 33608 Pessac Cedex, France



**OFFICIAL ELECTION BALLOT
DIVISION OF FLUORINE CHEMISTRY OFFICES FOR 2004**

VICE-CHAIR, Programs

(Vote for One)

G. K. Surya Prakash []

Vadim A. Soloshonok []

EXECUTIVE COMMITTEE

(Vote for Two)

William J. Casteel, Jr. []

Richard E. Fernandez []

Charles W. Martin []

Brian A. O'Brien []

Voting Instructions:

1. Mail the completed ballot in an envelope **with your signature and printed name** on the return address of the envelope. **Ballots from unsigned envelopes cannot be counted.**
2. You may include your vote on the **Proposed New Fluorine Division Bylaws** in the same envelope. Should you choose to mail your bylaws ballot separately, instructions (1) above and (3) below also apply
3. Mail the completed ballot(s) **postmarked** no later than **15 November, 2003** to:

**Professor Gary J. Schrobilgen
ABB-266B
Department of Chemistry
McMaster University
1280 Main St. West
Hamilton, Ontario L8S 4M1
Canada**

ACS Fluorine Division
Ballot for Approval of Proposed Bylaws

The bylaws of a division are the rules by which divisional business is conducted. As such, they are a very important part of our division and deserve our close consideration. Since May the proposed set of new bylaws has been available for review on the Fluorine Division website (<http://membership.acs.org/F/FLUO/NewByLaws.htm>). If you have not had a chance to review them, please take the time to do so now and then vote for them on this ballot. A 3/5ths approval vote of the received ballots is required for membership ratification. The ballot may be mailed along with your election ballot in the same envelope to Gary J. Schrobilgen (see **“Official Elections Ballot, Division of Fluorine Chemistry Offices for 2004”** on the previous page for **Voting Instructions**).

_____ **Yes** : I vote to accept the bylaws

_____ **No** : I vote not to accept the bylaws

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 2004 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)

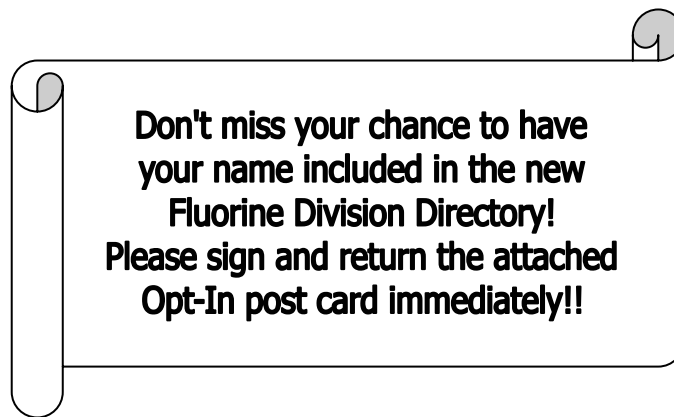
ACCOUNT NUMBER: _____

EXPIRATION DATE: _____

SIGNATURE: _____

(All forms must be signed)

Send the completed form to: Dr. P. V. Ramachandran, Vice-Chair/Membership
Purdue University
Department of Chemistry
560 Oval Drive
West Lafayette, IN 47907-2084
FAX : (765) 494-0239



In an effort to assist the Fluorine Division in the important endeavor of the publication of a membership directory, we are asking you to indicate your desire to be published 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**.

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.

**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
chandran@purdue.edu

Signature: _____ Date: _____

You may also FAX this form and changes in contact information to
P. V. Ramachandran @ (765) 494-0239

Affix
Postage
Here

FROM: _____

TO: P. V. Ramachandran
Purdue University
Department of Chemistry
560 Oval Drive
West Lafayette, IN 47907-2084
USA