



# ACS NEWS

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

## MESSAGE FROM THE CHAIR

Greetings to all of you from Delaware!

First of all, let me, on behalf of the Fluorine Division, congratulate the winner of this year's American Chemical Society Award for Creative Work in Fluorine Chemistry, Professor **Alain Tressaud**, of the ICMCB-CNRS, in Bordeaux, France. The award is sponsored by **Honeywell**. Professor Tressaud will be giving his award address at the 20th Winter Fluorine Conference on January 13, 2011.

The following members of the Division – **Donald Burton, Darryl DesMarteau, Iwao Ojima, Jean'ne M. Shreeve, Josef Michl, Dennis W. Smith, Scott McN. Seiburth** and **Attila E. Pavlath** were elected to ACS Fellows. The Fellows program began in 2009 to recognize and honor ACS members for their outstanding achievements and contributions to the science, the profession, and service to the society. On behalf of the Division of Fluorine Chemistry, congratulations to them all!

Preparations for **20th Winter Fluorine Conference**, to be held in St. Pete Beach, Florida, from January 9-14, 2011 are underway. The Conference will feature oral and poster presentations covering different aspects of organic, inorganic and industrial

fluorine chemistry, and also will include the award address of Alain Tressaud on January 13. As a reminder, the deadline for the conference registration is **December 10, 2010**.

Next year a number of seats on the Division's Executive Committee (EC) will be up for renewal. At present, the Executive Committee is working to identify new candidates for the upcoming elections. The list of candidates will be approved at the meeting of the members of the Division at the 20th Winter Fluorine Conference, and elections will take place in the spring of next year. Once again, I would like to ask members of the Division to volunteer to serve the Fluorine Community. If you would like to be a candidate or know someone who would be a good candidate for the EC elections next year, please let me or other members of the EC know!

I would like to remind everyone that the deadline for proposal submissions for the **Moissan Summer Undergraduate Fellowship** is **December 1, 2010**. The Call for Fellowships, to be granted in 2011, is available on the Division website at <http://fluorine.sites.acs.org/>. It is also attached to this letter and it will also appear in the

*Continued on p. 2*

## VICE-CHAIR MEMBERSHIP REPORT

There are a total of **586** members of the Division, which marks a slight decline in membership from April. I would like to personally ask the members to encourage their students and co-workers to join the Division of Fluorine Chemistry. Although the total membership in the Division has held roughly constant over the past two years, approximately **20%** of the members of the Division are now **65** or older, while only **10%** is younger than **35**. This imbalance in the demographic distribution is troubling for the long-term vibrancy of the Division.

I hope to see you all at the upcoming 20th Winter Fluorine Conference in St. Pete Beach. If you have suggestions for increasing the visibility of the Division, please relay them to me, either in person in Florida, or electronically at [sdimagno1@unl.edu](mailto:sdimagno1@unl.edu). ■

## IN THIS ISSUE

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Journal of Fluorine Chemistry. The Division encourages you to maintain your interest in the Moissan SURF program, and consider applying in 2011.

A donation drive for the **Moissan Summer Undergraduate Research**

**Fellowship in Fluorine Chemistry**

**Fund** is still underway. This fund and its associated fellowship program are administered by the Division.

Currently, up to three Moissan Fellowships per annum are provided from the Division's operating account. Last year two Fellowships were awarded by the Division. Contributions should be directed to the Fluorine Division's Treasurer, Bob Syvret. We hope that you and/or your organization will find the means to contribute to

this important program as an investment in the future of fluorine chemistry.

The Division encourages Awardees of the Moissan SURF to present their work at 20th Winter Fluorine Conference or one of the ACS National meetings next year. The Division will cover part of the expenses for attending the ACS meeting.

The Fluorine Division website continues to be an extremely useful source for all members of fluorine community. In the beginning of this year, the website migrated to a new location on the American Chemical Society's server. It now contains a listing of officers, and information on the Division Awards, upcoming meetings including the 20th Winter Fluorine Conference, and the Moissan Summer Undergraduate Research Fellowship in Fluorine Chemistry. The Newsletters section is still under construction, but we plan to open it soon. Please visit the Division website (<http://fluorine.sites.acs.org>) and let webmaster – Phil Henderson (<http://fluorine.sites.acs.org/contactus.htm>) or me know your thoughts or suggestions. We thank Phil Henderson for his considerable and continuous efforts in migrating and maintaining the website.

If there are items that you would like to have considered for inclusion in the newsletters, or have any other questions or concerns, please send me an e-mail at [viacheslav.a.petrov@usa.dupont.com](mailto:viacheslav.a.petrov@usa.dupont.com).

The work on fundraising and putting together the program for the 20th Winter Fluorine Conference is well underway, thanks to Dave Dixon (University of Alabama) and Vernar Beatty (ACS). We are looking forward to another interesting and productive meeting in St. Petersburg in January of 2011. I hope to see you there. ■



Viacheslav Petrov, *Chair 2010*

SEND ITEMS THAT YOU WOULD LIKE TO HAVE CONSIDERED FOR INCLUSION IN THE NEWSLETTERS OR CONCERNS OR QUESTIONS, TO [VIACHESLAV.A.PETROV@USA.DUPONT.COM](mailto:VIACHESLAV.A.PETROV@USA.DUPONT.COM).

## INTERNATIONAL MEETINGS OF INTEREST

for members of the ACS  
Fluorine Division

### 8TH FRENCH COLLOQUIUM ON ORGANIC FLUORINE CHEMISTRY

March 20-24, 2011, Obernai, France

### 20TH INTERNATIONAL SYMPOSIUM ON FLUORINE CHEMISTRY

July 22-27, 2012, Kyoto, Japan

### 17TH EUROPEAN SYMPOSIUM ON FLUORINE CHEMISTRY (17TH ESFC)

July 21-25, 2013, Paris, France.

Organizers: *Henri Groult (Chair),*

*Bruno Améduri (Co-Chair),*

*Alain Tressaud (Honorary Chair)*

### 21TH INTERNATIONAL SYMPOSIUM ON FLUORINE CHEMISTRY

August 23-28, 2015, Cernobbio, Como, Italy ■

## THE DIVISION OF FLUORINE CHEMISTRY THANKS ALL OF ITS GENEROUS SPONSORS IN 2010:

- Advance Research Chemicals
- Asahi Glass
- Boehringer Ingelheim
- ERC, Inc.
- Merck
- Merck KGAA Darmstadt
- Matrix Scientific
- Oakwood Chemicals
- Solvay Fluorides
- W.L. Gore
- 3M

### Past Meetings

Colleagues from around the world met at the **16th European Symposium on Fluorine Chemistry in Ljubljana (Slovenia)**. The well-attended meeting, with a memorable opening lecture by Herbert W. Roesky presenting chemical curiosities, covered a diverse program on current developments in organic, inorganic, bioorganic and medical chemistry as well as on new materials. The organizers (chairman: Tomaž Skapin, Co-chairman: Melita Tramsék; honorary chairman: Boris Žemva) did an excellent job in putting together a scientifically stimulating symposium at a beautiful location.

A preceding partner conference, the **2nd International Symposium on Organofluorine Compounds in Biomedical and Agricultural Sciences**, i.e., the **Perugia Fluorine Days** in Italy (Chairman: Renzo Ruzziconi, Co-Chairman: Gabriele Cruciani) was a wonderful opportunity to meet and discuss in a more intimate circle prior to the seeing most colleagues once more in Ljubljana.

### Upcoming Meetings

#### PACIFICHEM 2010

*Honolulu, Hawaii, December 15-20, 2010:*

- > "Carbon-fluorine Bond Activation: a Crossroads for Inorganic, Organic and Environmental Chemistry (#248)"

Organizers: Oleg Ozerov, Jennifer Love,  
Takahiko Akiyama

- > "Fundamental and Applied Inorganic Fluorine Chemistry & Their Impacts on Energy Conversion and the Environment (#249)"

Organizers: Rika Hagiwara, Kazuhiko Matsumoto,  
Hélène P. A. Mercier, Gary J. Schrobilgen,  
Robert G. Syvret

#### 20TH WINTER FLUORINE CONFERENCE

*St. Pete Beach, Florida, January 9-14, 2011: (TradeWinds Island Resort, St. Pete Beach, FL, USA)*

The Twentieth Biennial American Chemical Society Winter Fluorine Conference, sponsored by the Division of Fluorine Chemistry, will be held at the TradeWinds Island Grand Resort in St. Pete's Beach, Florida on January 9-14, 2011. The conference will feature invited plenary and oral presentations as well as contributed papers and posters by fluorine chemists from around the world on different aspects of modern fluorine chemistry. Areas of programming include Organic, Inorganic, Physical, and Medicinal Chemistry. This six-day international interdisciplinary forum will also feature the Award address by Alain Tressaud, the recipient of the 2011 American Chemical Society Award for Creative Work in Fluorine Chemistry.

Advance registration and housing is open since Monday, August 2, 2010 until Friday, December 10, 2010. Additional information pertaining to registration and housing can be obtained on the conference website at <http://fluorine.sites.acs.org/20thwfc.htm>.

For further information on the scientific contents of the conference, please contact the conference chair Professor David Dixon, Department of Chemistry, The University of Alabama; [dadixon@bama.ua.edu](mailto:dadixon@bama.ua.edu). For all other information, please contact the conference manager Ms. Vernar Beatty, American Chemical Society, Washington, DC; [v\\_beatty@acs.org](mailto:v_beatty@acs.org).

#### 242ND ACS NATIONAL MEETING

*Denver, Colorado, August 28 – September 1, 2011:*

One symposium will honor **Alain Tressaud**, the 2011 Winner of ACS Award for Creative Work in Fluorine Chemistry. A second symposium in recognition of **Donald J. Burton** is organized by John T. Welch. Further details about the two symposia and the 242nd ACS National Meeting will soon become available on the Fluorine Division (<http://fluorine.sites.acs.org>) and the ACS (<http://portal/acs/corg/content>) webpage, respectively. Abstract submission will be open to authors from Monday, January 1, 2011 until Monday, March 21, 2011. ■

For more information on upcoming meetings visit: <http://fluorine.sites.acs.org/meetings.htm>

### 2011 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 2011. 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 2011 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 2011, the Division Chair must receive an application by December 1, 2010. The application, in triplicate, should be sent to:

**Viacheslav Petrov**

DuPont Central Research and Development  
Experimental Station PO Box 80500,  
Wilmington, DE 19880-0500 Tel. (302)695-1958

In addition to the three paper copies, an electronic submission in the form of a Word document should be submitted to [viacheslav.a.petrov@usa.dupont.com](mailto:viacheslav.a.petrov@usa.dupont.com). 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 2011 will be announced in the Spring 2011 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 01 March 2011.

Brief reports (two to three pages) to the Division Chair are expected from the faculty member and student by October 1, 2011. 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.

## TREASURER'S REPORT

The fiscal state of the Division of Fluorine Chemistry continues to be excellent thanks to strong fundraising efforts and fiscal responsibility of the organizers of the 19th International Symposium on Fluorine Chemistry (ISFC). In fact, final accounting of the 19th ISFC shows the conference came out in the black, with \$10,057.50 of net revenue being generated for the Division. This is a tremendous achievement of the organizers in view of the poor global economy in 2009. **Congratulations to our organizers Joe Thrasher, Steve Strauss, Olga Boltalina, and Rick Fernandez!**

The Table below provides a snapshot view of the Division's assets as of 30 September 2010 and the comparative numbers at the beginning of the year. The Division's total assets have increased approximately 23% year to date.

### ASSETS (as of September 30, 2010)

	(\$ as of 31 December 2009	(\$ as of 30 September 2010
<b>ACS INVESTMENT POOL</b> <i>(market value)</i>	114,793	0 (Account liquidated 5-18-10)
<b>WACHOVIA NATIONAL BANK</b>	19,757	47,911
<b>AMERIPRISE FINANCIAL SPS ADVANTAGE ACCOUNTS:</b>		
Moissan SURF Fund	63,928	63,928
Lont-term Investment Account	0	129,296 (Account opened 5-27-10)
<b>TOTAL ASSETS</b>	<b>198,478</b>	<b>243,653</b>
Total percent change		+22.8%

### FINANCIAL HIGHLIGHTS FOR THE DIVISION FOR FISCAL YEAR 2010 INCLUDE:

The Division provided \$59,233.24 in support of the 19th ISFC in Jackson Hole, WY versus \$69,290.74 in corporate donations, registrations, and PRF grant monies received.

> The Division awarded 2 Moissan Summer Undergraduate Research Fellowships in the amount of \$3,500 each to Daniel Sprague working with Professor Norita Takenaka at the University of Miami and Tiffany B. Myers working with Professor Markus Etzkorn at UNC Charlotte.

> The Division provided \$6,700 in support of programming at the spring (2010) ACS National Meeting in San Francisco versus \$3,139.55 in corporate donations received.

> The Division provided financial support to the Jean'ne M. Shreeve Symposium at the 2010 NORM/RMRM (\$2,500).

> The Division has committed \$9,000 in financial support for programming at the Pacificchem 2010 conference in December.(\$2,500) and programming at the Pacificchem 2010 conference (\$9,000). ■

### IMPORTANT CHANGES TO NOTE

> New address Division website <http://fluorine.sites.acs.org>

> Starting January 2012, the newsletter will be going electronic unless you specifically request a hard copy.

## DIVISION COUNCILOR REPORT

THE ACS COUNCIL MEETING was held on Wed., August 25, 2010 in Boston, MA. Detailed below are some points of interest and information from the Council Meeting:

### ELECTION RESULTS:

1. The Committee on Nominations and Elections presented to the Council, a slate of ten candidates for membership on the Committee on Committees beginning in 2011. By electronic ballot, the Council elected Janet L. Bryant, H.N. Cheng, Amber S. Hinkle, V. Michael Mautino, and Yorke E. Rhodes for the 2011-2013 term.

2. A slate of 8 candidates was presented to the Council for membership on the Committee Policy Committee beginning in 2011. By electronic ballot, the Council elected John E. Adams, Alan M. Ehrlich, Mary Virginia Orna, and Dorothy J. Phillips for the 2011-2013 term.

3. A slate of ten candidates was presented to the Council for membership on the Committee on Nominations and Elections beginning in 2011. By electronic ballot, the Council elected Jeannette E. Brown, Martha L. Casey, D. Richard Cobb, Lissa Dulany and Angela K. Wilson for the 2011-2013 term.

4. The candidates for the 2010 ACS National Election were announced as follows:

### PRESIDENT-ELECT 2011:

**Luis A. Echegoyen**, Professor  
*University of Texas at El Paso, El Paso, TX*

**Bassam Z. Shkhashiri**, Professor  
*University of Wisconsin, Madison, WI*

### DIRECTORS-AT-LARGE 2011-2013:

**Jana M. Hayes**, (Retired) Professor  
*Emeritus, Merced College, Sacramento, CA*

**Robert L. Lichter**, Principal and Co-Founder  
*Merrimack Consultants, LLC, Barrington, MA*

**Kathleen M. Schulz**, President  
*Business Results Inc., Albuquerque, NM*

**Kent J. Voorhees**, Professor  
*Colorado School of Mines, Golden, CO*

### DIRECTOR, DISTRICT II 2011-2013:

**George M. Bodner**, Professor  
*Purdue University, West Lafayette, IN*

**Joseph R. Peterson** (Retired) Professor Emeritus  
*University of Tennessee, and (Retired) Oak Ridge National Lab, Knoxville, TN*

### DIRECTOR, DISTRICT IV 2011-2013

**Larry K. Krannich**, Professor Emeritus  
*University of Alabama at Birmingham, Birmingham, AL*

**Will E. Lynch**, Professor  
*Armstrong Atlantic State University, Savannah, GA*

### 5. PETITION:

The Council VOTED to approve the Petition on Recorded Votes. This petition provides for additional voting methods, e.g., electronic clickers that have been recently used at Council Meetings, when conducting recorded votes.

### 6. COMMITTEE REVIEWS:

The Council VOTED to continue the Committee on Science.

### 7. MEETING REGISTRATION REPORT:

As of August 24, 2010, the ACS fall national meeting had attracted 14,059 registrants. Totals in selected categories are as follows: Regular attendees: 8,211; Students: 3,230; Guests: 393; Exhibit only, 737; Exhibitors: 1,492.

### 8. SPECIAL DISCUSSION ITEMS:

The Council Policy Committee Vice Chair presented a proposal (for discussion) to move the Council Meeting from Wednesdays to Tuesdays. A robust discussion on the pros and cons of a move followed. Councilors concluded their discussion (~1 hour) with a straw poll that showed 128 are supportive of the proposed move of Council Meeting to Tuesdays, 225 opposed the move and 56 are undecided. The Council Policy Committee and the Board of Directors will decide by Spring 2011 whether the Council should move from Wednesday to Tuesday.

### 9. REGISTRATION FEES:

On the recommendation of the Committee on Budget and Finance, the Board VOTED to approve an advance member registration fee of \$355 for national meetings in 2011. ■

**AMERICAN CHEMICAL SOCIETY  
DIVISION OF FLUORINE CHEMISTRY**

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- NEW MEMBERSHIP APPLICATION  
 RENEWAL  
 CHANGE OF ADDRESS

Name: (PROF. / DR. / MR. / MS.) \_\_\_\_\_

Employer: \_\_\_\_\_

Address: \_\_\_\_\_

Business Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Home Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

ALL OF THE ABOVE INFORMATION WILL BE INCLUDED IN THE DIVISION'S DIRECTORY, WHICH IS SENT TO ALL MEMBERS IF YOU OPT-IN. PLEASE CHECK ONE BELOW:

- I AGREE TO HAVE MY INFORMATION PUBLISHED IN THE FLUORINE DIVISION MEMBERSHIP DIRECTORY.  
 I DO NOT CHOOSE TO HAVE MY INFORMATION PUBLISHED IN THE FLUORINE DIVISION MEMBERSHIP DIRECTORY.

CURRENT MEMBER OF ACS?  YES  NO

IF YES, MEMBERSHIP NUMBER: \_\_\_\_\_

NEW MEMBERS OF THE FLUORINE DIVISION WILL HAVE THEIR DUES WAIVED FOR THE FIRST YEAR ONLY. THE RENEWAL DUES FOR 2011 ARE \$10.00 FOR ACS MEMBERS AND \$17.00 FOR NON-ACS MEMBERS (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:

Stephen DiMagno, Department of Chemistry  
University of Nebraska, 850 Hamilton Hall  
Lincoln, NE 68588-0304 USA

Preferred method of return is electronic to Steve DiMagno: [sdimagno1@unl.edu](mailto:sdimagno1@unl.edu)



# ACS NEWS

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

## 2010 EXECUTIVE COMMITTEE

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### COUNCILOR

DON BURTON - USA

### ALTERNATE COUNCILOR

PAUL RESNICK - USA

### COMMITTEE MEMBERS AT LARGE

ALAIN TRESSAUD - France  
GARY J. SCHROBILGEN - Canada  
JOSEPH S. THRASHER - USA  
DAVID O'HAGAN - Scotland  
PAUL DECK - USA  
TARIQ MAHMOOD - USA

### NEW DIVISION WEBSITE:

<http://fluorine.sites.acs.org>