



# SoFlacs



Vol. 21, No. 1

South Florida Section ACS

Spring 2011



International Year of  
**CHEMISTRY**  
2011

**Section Seminar Meeting**  
Wednesday, May 11, 7:00 PM  
Miami Sunset Senior High, Auditorium  
13125 SW 72<sup>nd</sup> St. (Sunset), Miami

**Dr. Jack Parker, Professor Emeritus, FIU**



## *Sustainable Energy for the 21<sup>st</sup> Century*

To reduce climate change as well as our heavy reliance on imported oil from unstable regions of the world, we need to rapidly increase our use of renewable energy. This talk will briefly summarize the latest science of climate change and renewable energy alternatives including energy efficiency, wind energy, solar heating and electricity and biofuels.

## *International Year of Chemistry 2011*

The 63<sup>rd</sup> General Assembly of the United Nations proclaimed 2011 as the *International Year of Chemistry* (IYC). The International Union of Pure and Applied Chemistry (IUPAC) and the United Nations Educational, Scientific and Cultural Organization (UNESCO) have spearheaded this global event to increase public appreciation of chemistry in meeting world needs, to encourage increased interest in chemistry among young people, to generate enthusiasm for the creative future of chemistry, and to celebrate the achievements of Marie Curie and the contributions of women to chemistry. The official IYC 2011 web site at [www.chemistry2011.org](http://www.chemistry2011.org) serves as the central location for information about worldwide activities. The theme for the second quarter is Energy (see related seminar above).

In line with the IYC's first quarter theme of Water, the ACS has launched a very exciting program—"Pennies for PUR™ Water". Please join us in raising funds to support this initiative. Every day, several billion people around the world live without safe drinking water. More than 4,000 children die every day from diseases caused by drinking unsafe water. ACS is seeking to raise funds to purchase water purification packets that can be used in areas of the world that do not have readily available safe drinking water. The goal of the program is simple and if successful, the impact will be huge: a true demonstration and validation of the ACS Vision, "Improving people's lives through the transforming power of chemistry."

Procter & Gamble, in collaboration with the U.S. Centers for Disease Control and Prevention, has developed a low-cost technology in a sachet, called PUR™, to purify even heavily contaminated drinking water so that it meets World Health Organization standards for safe drinking water. P&G's PUR™ packets are being distributed through its Children's Safe Drinking Water (CSDW) foundation that the company created in 2004. Since CSDW's creation, P&G has distributed over 300 million packets to 63 countries and has partnered with 110 organizations. Through these efforts over 3 billion liters of clean water have been made available to people around the globe. The program has saved more than 16,000 lives and prevented over 120 million days of diarrhea. For more information on the CSDW, please visit <http://www.csdw.org/csdw/home.shtml>. Each packet costs only 3.5 cents to produce (and 7 cents to distribute) and safely treats 2.5 gallons of water. All funds raised by ACS will go towards the production costs.

**Our goal is to raise enough funds to be able to provide over 1.5 million gallons of safe water before the end of 2011!** We are asking all local sections to participate in this effort by raising funds and sending them to ACS by December 1, 2011. Please send donations (check or money order made payable to the American Chemical Society—note for the PUR water project in the memo area) to ACS, 1155 16<sup>th</sup> St. NW, Washington, DC, 20036. All donations are tax deductible, and ACS will provide receipts as requested. Thank you in advance for your participation. We are looking forward to reaching our goal and helping to improve people's lives through the transforming power of chemistry!

## *FAME 2011*

FAME (Florida Annual Meeting and Exposition) will again be held at [Innisbrook Resort and Golf Club](http://www.innisbrookresort.com) in Innisbrook Florida (just west of Tampa) Thursday May 12th through Saturday May 14th, 2011. Registration is now open, and the registration page is available at [www.chem.fsu.edu/chemlab/registration.php](http://www.chem.fsu.edu/chemlab/registration.php). Early registration is discounted so please take advantage of the lower rates and register sooner rather than later. This year FAME is also proud to be sponsoring the **Gulf of Mexico Geochemistry Summit**. Anyone interested in participating in the Summit should contact Dr. Bill Cooper ([cooper@chem.fsu.edu](mailto:cooper@chem.fsu.edu)) for more information.

# CONGRATULATIONS TO

The following persons have achieved the remarkable milestone of fifty or sixty years as ACS members

## 60-Year Members

Dr. Arnold B. Finestone ..... West Palm Beach  
Mr. Stanley Grand ..... Boynton Beach  
Mr. Rocco J. Lopresti ..... N. Fort Myers  
Dr. Salvatore J. Rand ..... N. Fort Myers

## 50-Year Members

Mr. William J. Curnow, Jr. .... Port Charlotte  
Dr. Michael W. Dix ..... Miami  
Mr. John P. Doerr ..... Miami

Mr. Eugene L. Grumer ..... Boca Raton  
Dr. Daniel Huchital ..... Boca Raton  
Mr. Norman A. Jacobs ..... Boca Raton  
Dr. Frank N. Jones ..... West Palm Beach  
Dr. Joseph E. Metcalfe ..... Alva  
Dr. Arland E. Oleson ..... Fort Myers  
Mr. Benjamin A. Perillo ..... Boca Raton  
Dr. Burton Rein ..... Palm Beach Gardens  
Mr. Paul W. Riegelhaup ..... Naples  
Dr. Richard R. Shreve ..... Boynton Beach

## SOUTH FLORIDA CHEMISTRY OLYMPIAD

During March, over 200 high school chemistry students from South Florida took a qualifying exam put together by the ACS Exams Institute. Based on the results of that exam, 12 students qualified for the next round: the nationwide National Chemistry Olympiad (NChO) test that was administered locally on Saturday, April 16 at Nova Southeastern University. Based on the performance on that test, 20 students nationwide will be selected to go to an intense three-week training camp at the US Air Force Academy in Colorado Springs. Four will then be selected to go on to International Chemistry Olympiad (IChO), July 9-18, 2011 in Ankara, Turkey. Congratulations to the following South Florida students who qualified to take the national exam:

Student	High School	Teachers
Seung Choi	Miami Palmetto High	Jay Salon
Michael Deng	American Heritage School	Dawn Gregor
Daniel Gu	Miami Palmetto High	Jay Salon
Alex Jaffee	Pine Crest School	Cheryl Doolittle
Zach Koerbel	Pine Crest School	Dagmara Podkosielnay
Robert Konigsberg	Dr. Michael Krop	Carlos Montero
Alejandro Krauskop	Dr. Michael Krop	Carlos Montero
Netgie Laguerre	Dr. Michael Krop	Carlos Montero
Louis Segall	Ransom Everglades School	Jorge Camacho
Storm Weiner	West Broward High School	Deb Houts
Jiaqi Xie	Cypress Bay High School	Clara Russo
Hejia Zhao	Saint Andrew's School	Paula Morton

## Frank Millero wins the Florida Award

Dr. Frank J. Millero, professor of marine and atmospheric chemistry at the University of Miami Rosenstil School of Marine and Atmospheric Sciences, is the recipient of the 2011 Florida Award, presented by the ACS Florida Section. The award recognizes outstanding contributions by a chemist in the southeastern U.S. Millero's research focuses on the global carbon dioxide cycle in oceans, ionic interactions in seawater, and trace metals in natural waters. He will receive the award during the 2011 Florida Annual Meeting and Exposition (FAME).

## ACS Scholars from South Florida

Since 1995 the ACS Scholars Program has awarded \$10 million in direct scholarships to underrepresented students in the chemical sciences with excellent academic records and financial need. More than 2400 students have received a scholarship through the ACS Scholars Program. African Americans comprise 52% of the recipient pool, Hispanic/Latino students represent 41%, and Native American students at 7%. The hallmark of the program is the assignment of a mentor to each Scholar. As a result, the program retains 80% of the students entering it. It is clear that the ACS Scholars Program has had a major role in literally transforming the face of chemical education. To date, over 1000 students have graduated with a bachelor's degree in a chemical science. Of those students, 52% have gone on to graduate school, and 48% have entered the chemical science workforce. The following students from South Florida section have received the 2010-2011 scholarships for their studies of chemistry or chemically related sciences at their respective universities. Congratulations to:

Melissa Barona – U. Miami, Chemistry & Engineering  
Cristhiand Guerra – UF, Chemical Engineering  
Victor Manrique – Georgia Tech., Chemical Engineering  
Kristen Martinez – MIT, Materials Science  
Jenny Mesa – Johns Hopkins, Chemistry  
Alexander Moncion-Baez – FIU, Chemistry  
Luis Navarro – California Institute of Technology, Chemistry  
Kymberlee Osborne - FIU, Chemistry

## Officers of the South Florida Section ACS for 2011

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Chair-Elect: Dr. Uma Swamy, Department of Chemistry & Biochemistry, FIU, University Park, Miami, FL 33199 (305) 348-2601; [swamy@fiu.edu](mailto:swamy@fiu.edu).  
Secretary: Milagros Delgado, Department of Chemistry, FIU Biscayne Bay, AC1-382A, North Miami, FL 33181, (305) 919-5966; [delgadam@fiu.edu](mailto:delgadam@fiu.edu).  
Treasurer: Leonard Keller, Department of Chemistry, FIU, University Park, Miami, FL 33199, (305) 348-3081; [kellerl@fiu.edu](mailto:kellerl@fiu.edu).  
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