



SoFlacs



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South Florida Section ACS

April 2017



Section Meeting

Friday, April 28, 3:45 – 5:00 PM
Wertheim Conservatory, WC130
Florida International University, MM Campus
11200 SW 8th Street, Miami

A View of an Industrial STEM Career

Dr. Dorothy Phillips

ACS Board of Directors

I will share the knowledge gained during an almost 40-year career as an industrial scientist. Essential to starting a career in industry is being prepared. I will discuss experiences and training that prepares graduate or undergraduate students for a successful industrial career. Afterward I will give highlights of my journey. At both the Dow Chemical Company and Waters Corporation I began as a bench scientist. At both companies, I moved to a marketing or business role. I will address several points that factored in my ability to “climb the ladder”, retiring from Waters Corporation as the Director, Strategic Marketing. For example, my willingness and passion for travel strengthen my ability to fulfill the responsibilities of a global position.

Dr. Dorothy J. Phillips is serving her second term on the American Chemical Society Board of Directors, Director-at-Large, 2014-2019. She holds a B.A. degree from Vanderbilt University in chemistry and a Ph.D. from the University of Cincinnati in biochemistry. Dr. Phillips began her industrial career in 1974 at Dow Chemical Company where she spent nine years and received three patents. She joined Waters Corporation in R&D in 1984 and retired in 2013 as Director of Strategic Marketing. She was instrumental in the development of Waters' flagship Symmetry[®] and Oasis[®] product brands. She received the Waters Manager's Award for Innovation in 1987 and 1988. She has published and/or presented over 70 papers that focus on high performance liquid chromatography technology and applications. In 1996, Dr. Phillips transitioned from R&D to Marketing as Brand Manager for the Oasis[®] family of products. As Director of Strategic Marketing, she traveled in the United States, Europe, Asia, India and Japan to identify and assess new technologies and business opportunities to meet global separation needs. She was the first recipient of the Waters Leadership Award for outstanding contributions to Waters and the Waters Community in 2008. Her honors include the Vanderbilt University Dr. Dorothy J. Wingfield Phillips Endowed Chair, 2015; ACS Fellow, Class of 2010. Vanderbilt University presents annually The Dr. Dorothy Wingfield Phillips Award for Leadership to a graduating senior in recognition of the student's outstanding accomplishments.

CONGRATULATIONS

The following persons have achieved the remarkable milestone of 50 or 60 years of ACS membership and will be honored at the awards banquet:

60-Year Members

Mr. Louis A. Armanini.....Jupiter
Dr. Sol J. Daum.....West Palm Beach
Dr. Charles A. Free.....Fort Myers
Dr. Gordon G. Hammes.....Naples
Ms. Lorraine Dupuis Kasper.....Boca Raton
Dr. C. William Kern.....Fort Myers
Mr. Max Kugelman.....Deerfield Beach
Dr. David Tanner.....Wellington
Dr. Ruth P. Verell.....Naples

50-Year Members

Dr. Encarnacion Lopez.....Coral Gables
Ms. Phyllis E. Hoar.....Miami
Dr. Carl A. Jennings.....Marco Island
Dr. Jack E. Lin.....Plantation
Dr. William J. Mergens.....West Palm Beach
Dr. Ronald H. Provost.....Naples
Dr. Ellis P. Robinson.....Boca Raton
Dr. Olavi Siimann.....Davie
Dr. Peter E. Timony.....Stuart
Dr. William J. Whelan.....Miami
Dr. Robert M. White.....Naples
Mr. Howard Ulstein.....North Lauderdale
Dr. Larry R. Unger.....Wellington

SOUTH FLORIDA HIGH SCHOOL CHEMISTRY OLYMPIAD FINALISTS

During early March, about 340 high school chemistry students participated in the National Chemistry Olympiad qualifier exam administered at Nova Southeastern University (Dr. Vic Shanbhag), FIU-Biscayne Bay (Dr. Milagros Delgado), Pine Crest School (Dagmara Podkoscilny), University School (Dr. Carlos Montero), American Heritage School (Dawn Gregor), Miami Country Day School (Dr. Jesse Bernstein), Clara Russo (Cypress Bay High School) and at a couple other satellite centers. Based on the results of that exam, 11 students qualify for the next round: the nationwide National Chemistry Olympiad (NChO) exam and lab practical that will be held on Saturday, April 22 at Nova Southeastern University. Based on those results, 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 be selected to go to the International Chemistry Olympiad (IChO), July 6-15, 2017 in Nakhon Pathon, Thailand.

Congratulations to the following South Florida high school students, and their chemistry teachers, who qualified to take the national exam:

<u>Student</u>	<u>High School</u>	<u>Teacher</u>
Eric Bautista	Cypress Bay High School	Clara Russo
Sara Branse	University School at NSU	Carlos Montero
Isabella Luna	Carrollton School	Suchetha Srikanthan
Kiran Masroor	Gulliver Prep	Jennifer Guerra
Rhys Murray	University School at NSU	Carlos Montero
Omar Pulido	Cypress Bay High School	Clara Russo
Maz Ranis	American Heritage School	Dawn Gregor
Alfred Shomar	Miami Palmetto High School	Yulia Sharp
Shayaan Subzwari	American Heritage School	Dawn Gregor
Shangtao Wu	Coral Reef Senior High	J. Cloutier
Cathy Xin	Coral Reef Senior High	Hemisha Barkow

ACS SCHOLARS FROM SOUTH FLORIDA

The ACS Scholars Program was initiated in 1995 to address the gap in underrepresented minority representation in the chemical sciences by an original appropriation from the ACS Board of Directors of \$ 5 million. Outside gifts from individuals, corporations and foundations have reached another \$10 million. These contributions have funded over 2,900 scholarship recipients and over 1,700 students have successfully completed their undergraduate degree. More than half of them have continued into graduate programs where 272 have received a PhD degree with 40 serving in academic roles. The scholarship, besides the monetary award, strives to find mentors (coordinated by our own Zaida C. Morales Martinez – aka Mama Z) for all Scholars and encourage them to engage in research before graduating. As of December 2016, there were a total of 355 Scholars in over 185 colleges and universities across the United States. Congratulations to the following Scholars from the South Florida Local Section at their respective institutions:

Jamie Alvarez Duque	Chemistry	Northeastern Univ.
Emily Brown	Chemical Physics	Columbia Univ.
Michael Cartamil	Chemistry	Florida Int'l Univ.
Ayomide Fatunde	Chemical Engineering	MIT
Julian Garcia	Chemical Engineering	University of Florida
Mario Gaviria	Chemistry	Pomona College
Daniel Guberek	Chemical Physics	MIT
Caridad Infante	Biochemistry	University of Florida
Courtney Johnson	Chemical Engineering	Northeastern Univ.
Netgie Laguerre	Chemistry	Cal. Tech.
James O'Connor	Chemistry	Univ. Texas Austin
Joseph Paredes	Chemistry	University of Florida
Monique Peyreau	Biochem & Molec. Biol.	Boston University
Christopher Pinango	Chemistry	Florida State Univ.
Isabela Ramirez	Chemical Engineering	Syracuse University
Paloma Tuttle	Chemistry	Florida Int'l Univ.
Salomon Vainstein	Chem & Biomed. Engr.	Johns Hopkins Univ.
Anahi Vivar	Forensic Chemistry	Univ. of New Haven
Suzanne Wilson	Biochem/Molec Biology	Florida Southern Col

2017 SoFL-ACS Officers

Chair: Jesse Bernstein, Miami Country Day School, 601 NE 107 St., Miami, FL 33161, 305-779-7260, bernsteini@miamicountryday.org

Immediate Past Chair: John Reilly, Florida Gulf Coast University, Ft. Myers, FL 33965; 219-590-1881, johnreilly@fgcu.edu

Chair-Elect: David Riusech, Noven Pharmaceuticals, 954 292-6548, driusech@aol.com

Treasurer: David Riusech (see above)

Secretary: Milagros Delgado, FIU-Biscayne Bay Campus, N. Miami, FL 33181; 305 919-5966, degadom@FIU.edu

Councilors: Milagros Delgado (see above)

Zaida Morales-Martinez, 305 386-3206; moralesz@fiu.edu;
George Fisher, Barry University, Miami Shores, FL 33161; 305 899-3430; gfisher@barry.edu

Alternate Councilors: John Reilly, 239-590-1881, johnreilly@fgcu.edu
Lisa Milenkovic, lisa.milenkovic@browardschools.com, 754-321-2623

Vic Shanbhag (2015), Nova Southeastern University, 954- 262-8331, shanbhag@nova.edu

SUMMER 2016 SEED SCHOLARS

During the summer of 2016 four high school students participated in research at Florida Gulf Coast University and the University of Miami with support from SoFL-ACS and the ACS Project SEED (Summer Educational Experience for Disadvantaged students). Shangida Shareen, a Junior at Fort Myers High School, and Adriana Amaris, a Junior at Fort Myers High School, worked with Dr. Ju Chou at Florida Gulf Coast University. Andy Armand, a Junior at North Miami Beach High, and Vladimir Civil, a Junior at North Miami Beach High, worked with Dr. Rajeev Prabhakar at the University of Miami. These SEED students will be honored at the SoFL-ACS awards banquet. Congratulations to them.

SoFL-ACS AWARDS BANQUET

Sunday, April 30

11:30 AM Reception and Poster Session

12:00 – 2:00 PM Buffet and Awards

Wolfe Student Center, 2nd floor ballroom
FIU Biscayne Bay Campus
3000 N.E. 151st Street, North Miami

Keynote address by

Dr. Dorothy Phillips
ACS Board of Directors

“Paths to Becoming a Leader”

Cost: \$30.00 ACS members and guests; \$15.00 Students

Send reservation form with check payable to SoFL-ACS by Monday, April 24 to:

Mr. David Riusech
13475 NW 5th Ct. #19
Pembroke Pines, FL 33028
driusech@aol.com

Name _____

Address _____

School if
a student _____

Number of reservations: _____ @ \$30.00 = \$ _____

_____ @ \$15.00 = \$ _____

Total enclosed \$ _____