

KEEP IN TOUCH

We want to hear from you! Send your comments to our MacroCenter Office Administrator, Ms. Sara Klossner, email klossner@chem.ufl.edu, or write her at Department of Chemistry, P.O. Box 117200, Gainesville, FL 32611-7200. Please include your email address if you have one, photos are welcome, too.



Center for Macromolecular Science & Engineering

University of Florida
318 Leigh Hall
P.O. Box 117200
Gainesville FL 32611-7200

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—Ken Wagener

As you can imagine, it is a particularly exciting time when the Butler Lecturer is here. Thus far we have had six lecturers with us, Prof. Tobin Marks being the most recent one. You will note these people are among the best known scientists in our field.

As a consequence, about 10 years ago he and Josephine Butler started what we now call the Butler Lectureship Series in Polymer Chemistry. The arrangement was patterned after the remarkably successful Baker Lectureship Series at Cornell University. Butler Professors are invited to come to Gainesville for a month's stay to present 10 to 12 lectures and are free to operate in the Butler Polymer Research Laboratory in a manner suiting their tastes. They become "part of us." Undergraduate and graduate students alike interact with them easily, coming to know the "world famous" as individuals ready to help them.

In order to pursue great science, George, recognized the need to bring world-renowned polymer chemists and engineers to the University of Florida. Time usually was limited; these scientists could present only one lecture and rarely had the opportunity to speak with students while here. George often spoke of finding a way to do more.

Professor George Butler, pictured on the front cover in the 1950s, enjoyed conducting his own experiments when time permitted. (None of us recognize the instrument he is using in the photo—do you?)



BUTLER LECTURESHIP SERIES

THE MACROCENTER

The Center for Macromolecular Science & Engineering
at The University of Florida



THE BUTLER LECTURESHIP SERIES

World Leaders in Macromolecular Science & Engineering



Prof. Tobin Marks
THE 2008 BUTLER LECTURER

Departments of Chemistry and Materials Science and Engineering, Northwestern University
Evanston, IL, USA

BUTLER LECTURESHIP TITLE:
SOME GRAND CHALLENGES IN POLY-MERIC MATERIALS SYNTHESIS

Professor Marks is the Vladimir N. Ipatieff Professor of Chemistry and Professor of Materials Science and Engineering at Northwestern University. His research in organometallics, photonics and molecular electronics has led to numerous awards including

the 2005 National Medal of Science, the highest scientific honor bestowed by the United States Government. Marks, is on the editorial boards of 9 major journals; consultant or advisor for 6 major corporations and start-ups, and has published 900 research articles and holds about 100 U.S. patents.

Prof. Dr. Klaus Müllen
THE 2006 BUTLER LECTURER

Director, Max-Planck Institute
for Polymer Research
Mainz, Germany

BUTLER LECTURESHIP TITLE:
LESSONS FROM THE MATERIALS CHEMIST'S TOOLBOX

Professor Müllen joined the Max-Planck Society in 1989 and currently serves as the Director of the Max-Planck Institute for Polymer Research. His current research focuses on synthetic macromolecular chemistry, supramolecular chemistry, and material sciences. Professor Müllen has been

awarded numerous honors, including the: Bayer Distinguished Lecturer (Washington University), Smets-Lecturer (Belgium), Nozoe Award (San Diego), Kyoto University Foundation Award, and the Science Award of the "Stifterverband."



Prof. Ned Thomas
THE 2003 BUTLER LECTURER

Department of Materials Science & Engineering
Massachusetts Institute of Technology
Cambridge, MA, USA

BUTLER LECTURESHIP TITLE:
THE SCIENCE AND ENGINEERING OF BLOCK POLYMER BASED MATERIALS

Professor Thomas is the Morris Cohen Professor of Materials Science & Engineering at MIT. He is a leading world authority in characterizing complex synthetic polymer systems, especially block copolymer structures, and relating this

information to physical behavior. His research group is best known for its work in microscopy (TEM, SEM, AFM) and in xray scattering (WAXS, SAXS) experimentation. In addition, Professor Thomas is the founding Director for the nation's Institute for Soldier Nanotechnologies.

Prof. David Tirrell
THE 2002 BUTLER LECTURER

Chairman, Department of Chemistry and Chemical Engineering, California Institute of Technology
Pasadena, CA, USA

BUTLER LECTURESHIP TITLE:
A POLYMER CHEMIST'S VIEW OF PROTEIN SYNTHESIS AND DESIGN

In addition to being the Chairman of Chemistry and Chemical Engineering at Caltech, **Professor Tirrell** is the Ross McCollum - William H. Corcoran Professor of Chemistry and Chemical Engineering. Professor Tirrell's most important

contributions to chemistry have come in three areas: i). radical copolymerization mechanisms, ii). biometric membrane chemistry, and iii). development of molecular biological approaches to new polymeric materials. He is the world authority on non-natural amino acid chemistry, his group having done the pioneering research in this field.



Prof. J.M. Fréchet
THE 2000 BUTLER LECTURER

Department of Chemistry, University of California, Berkeley and Materials Sciences Division, Lawrence Berkeley National Laboratory, Berkeley, CA, USA

BUTLER LECTURESHIP TITLE:
FUNCTIONAL POLYMERS: FROM DESIGN TO APPLICATIONS

Professor Fréchet is Professor of Chemistry at the University of California, Berkeley and heads the Polymer Program at the Lawrence Berkeley National Laboratory. His research at the interface of organic

and polymer chemistry is directed towards functional polymers, their design, synthesis, and applications. Jean Fréchet is one of the very few to be inducted into three national academies in the USA: The National Academy of Science, The National Academy of Engineering, and The American Academy of Arts and Sciences. He is among the best-known polymer chemists in the world today.

Prof. Dr. Gerhard Wegner
THE 1999 BUTLER LECTURER

Director Emeritus, Max-Planck Institute
for Polymer Research
Mainz, Germany

BUTLER LECTURESHIP TITLE:
SUPRAMOLECULAR CHEMISTRY

Professor Wegner is one of the two founding directors of the Max-Planck Institute for Polymer Research in Mainz, Germany, which after a period of only ten years was already considered as one of the premier institutions in the field of polymer science worldwide. His name is firmly linked with key concepts that govern the science of organic materials today, such as the self organization of macromolecules, supramolecular chemistry, nanostructures, and the control of properties by molecular architecture. Dr. Wegner's achievements have been recognized by numerous awards and honors, including the Otto Bayer Prize, the Philip Morris Prize, the Hermann Staudinger Medal of the German Chemical Society, and the American Chemical Society Award in Polymer Chemistry.

