

THE

# TarHelium



A Publication of the North Carolina Section of the American Chemical Society

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December 1987

*The North Carolina Distinguished Speaker Series*

**Dr. Pedro Cuatrecasas**  
Vice President and Director  
Glaxo, Inc.

**Evolving Concepts of Receptor Structures  
and Transduction Mechanism**

Tuesday, December 15, 1987  
Meredith College  
3800 Hillsborough Street  
Raleigh, N.C.

*Dinner*  
President's Dining Room  
6:00

*Lecture*  
Cate Center Auditorium  
7:30

*Reception to follow lecture*

The dinner cost is \$9.00 for members and guests and \$4.50 for students. Please make reservations by phoning one of the following people by Friday morning, December 11: in Chapel Hill, Debbie Edwards, 962-2172; in Durham, Carolyn Bean, 684-2414; in Raleigh, Joyce Dunn, 737-2545; in Fayetteville, Sandra Smith, 486-1500. To cancel reservations for the meal, please call Debbie Edwards in Chapel Hill at 962-2172.

**Pedro Cuatrecasas, M.D.**—Dr. Cuatrecasas is Senior Vice President of Research and Development and a Director of Glaxo, Inc. He is a native of Spain. Dr. Cuatrecasas received his A.B. and M.D. degrees from Washington University in St. Louis and completed his internship and residency at Johns Hopkins Hospital. From 1964 to 1970 he held various positions at the National Institutes of Health, while working on problems in endocrinology, chemical biology, and enzymology. From 1970 to 1975, he taught pharmacology, experimental therapeutics, and medicine at Johns Hopkins University School of Medicine. He moved to North Carolina in 1975 and joined Burroughs Wellcome Co., where he was Vice President of the Research, Development and Medical Division, head of the Department of Molecular Biology, and a Director of the company. He is an adjunct professor at Duke University and at the University of North Carolina at Chapel Hill.

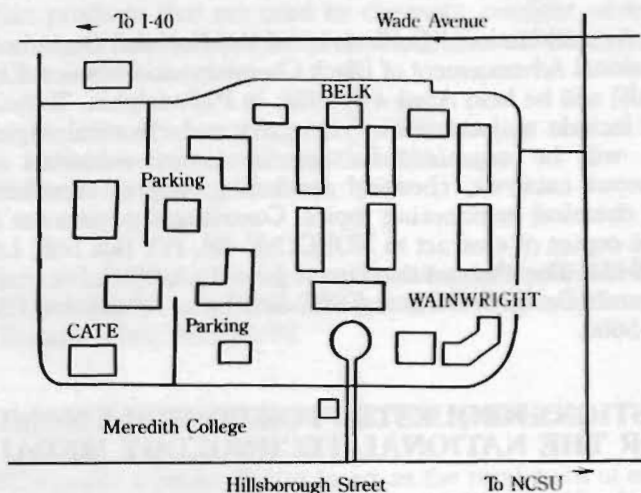
Dr. Cuatrecasas is a member of numerous scientific societies and organizations, including the ACS, National Academy of Sciences, and the National Medical foundation. He serves on the editorial board of a large number of journals and is Editor of the Journal of Applied Biochemistry. He has presented named lectures at universities throughout the country and has received honorary degrees from the University of Barcelona and Mt. Sinai School of Medicine. He has received many scientific awards, including the John Jacob Abel Prize in pharmacology in 1972, the Eli Lilly Award of the American Diabetes Association in 1975, the Beerman Award of the Society for Investigative Dermatology in 1981, the Goodman and Gilman Award in 1982, the Isco Award from the University of Nebraska in 1985, the DuPont Specialty Diagnostics Award in 1986, and the Wolf Prize in Medicine in 1987. These awards recognize his contributions to the study of the structure and mechanisms of peptide hormones and drug receptors, and the development of affinity chromatography.

We are pleased to have Dr. Cuatrecasas as a North Carolina Distinguished Speaker for 1987.

### **Evolving Concepts of Receptor Structures and Transduction Mechanism**

Recent progress in the cloning of receptors has provided new insights in the classification of receptors based on chemical structure rather than biological activity. The knowledge derived from structures is helping us to understand the ways by which receptors convey molecular information or transduce signals across biological membranes.

## DIRECTIONS TO MEREDITH COLLEGE



## LOCAL SECTION ELECTION RESULTS REPORTED

Election results for our section were tabulated in November and are reported below. These new officers will assume their new positions in January.

President-elect	Alvin Crumbliss	109
	Robert Shaw	63
Secretary	Michael Crimmins	93
	Reginald Shiflett	80
Councilor	Maurice Bursey	107
	Kathryn MacLeod	69
Alternate Councilor	Halbert Carmichael	80
	Ivy Carrol	91

## JANUARY POLYMER GROUP MEETING SET

The next meeting of the Polymer Group will be held jointly with the ACS Tuesday, January 26 at the North Carolina State University Faculty Club. The speaker will be Dr. Royce Murray, who will present a lecture on "Electron Conduction, Diffusion and Plasticization: Phenomenon in Polymer Films by Solid State Electrochemistry." The social hour begins at 5:30 p.m. followed by a buffet dinner at 6:30 p.m. The presentation begins at 7:30 p.m. Dinner reservations are required. Call Beverly Maxwell at 552-3811 by January 24. The Faculty Club is located on the north side of Hillsborough St. in Raleigh between the beltline and the State Fairgrounds.

## **CONFERENCE FOR BLACK CHEMISTS AND ENGINEERS PLANNED**

The 15th Annual National Conference of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCCChE) will be held April 4-8, 1988, in Philadelphia. Technical sessions will include major areas of chemistry and chemical engineering. Symposia will be organized for special topics: materials science, heterogeneous catalysis, chemical marketing, organic synthesis, and emerging chemical engineering topics. Contributed papers are invited. Send three copies of abstract to NOBCCChE '88, P.O. Box 588, Lafayette Hill, PA 19444. The abstract deadline is January 8, 1988. For more information contact Dr. D.M. Barnes, AT&T Bell Labs, Allentown, PA 18103 (215) 439-5680.

## **SUGGESTIONS REQUESTED FOR POSSIBLE NOMINEES FOR THE NATIONAL TECHNOLOGY MEDAL**

ACS members are invited by the Committee on Patents and Related Matters (CP&RM) to suggest possible candidates for nomination for the National Technology Medal. Recently funded by the United States Department of Commerce and established by the Stevenson-Wydler Innovation Act of 1980, the medal is awarded annually by the President. It may be awarded to individuals, groups, companies, or institutions within the U.S. for outstanding contributions to technology or for the promotion of the technological work force

Nomination applications may be obtained by contacting the staff liaison to CP&RM, Ms. Nancy Mullens (202 872-4479); deadline for submission of applications is February 1, 1988.

## **1988 NATIONAL ACS DUES**

If you have not received your 1988 dues bill or have questions about your bill, please call (614) 421-3776. To charge your payment by phone, call toll-free (800) 227-5558. Questions on the ACS credit policy should be directed to Earl Klinefelter, Head of the Membership Activities Department at (202) 872-4372.

## ADVERTISE IN *TarHelium*

If you market products that are used by chemists, consider advertising in *TarHelium*, the official publication of the North Carolina Section of the American Chemical Society.

Some of the benefits of advertising in *TarHelium*:

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For more information about *TarHelium* advertisements, contact Dr. Jeff Wilson at (919) 248-3433 or write him in care of Burroughs Wellcome Co., Research Triangle Park, NC 27709.

## EDITOR NEEDED FOR *CHEMTECH*

*CHEMTECH* needs a Senior Editor to act as the focal point of editorial operations in Washington, DC., in support of the Editor, Dr. Ben Luberoff, in Summit, N.J.

The successful applicant will be responsible for coordinating the flow of *CHEMTECH* articles at all stages from manuscript to printed page and for managing the Washington, DC., editorial office. He or she will ensure that article selection, copy editing, art and layout are properly integrated for each monthly issue of the magazine. In addition, he or she will work with the authors on the development of their manuscripts and will "pencil edit" and contribute importantly to article presentation on the printed page. There will be regular opportunities to travel.

Applicants should possess a degree in science or engineering and have held a responsible position in an editorial operation, preferably one that involved coordination of multiple functions.

The position will be based as ACS headquarters in Washington. Salary will be from the upper thirties. ACS has an excellent benefit package.

Resumes should stress relevant experience. Address them in confidence to Marv Coyner, American Chemical Society, Room 101, 1155 16th St. N.W., Washington, DC. 20036.

## FUTURE PROGRAMS

**Speaker:** Royce W. Murray **Date:** January 26

**Program:** "Electron Conduction, Diffusion and Plasticization: Phenomenon in Polymer Films by Solid State Electrochemistry."

**Location:** NCSU Faculty Club

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**Speaker:** Anne Wilson **Date:** February

**Program:** Planning Retreat

**Location:** Undetermined

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**Speaker:** Round Table Discussion **Date:** March

**Program:** Academic Industrial Interface

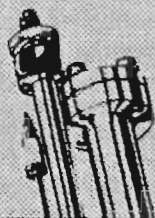
**Location:** Undetermined

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**Program:** Meeting-in-Miniature **Date:** April 9

**Location:** NCSU, McKimmon Center

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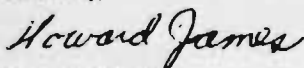
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Changes in membership status also should be submitted to the above address.

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