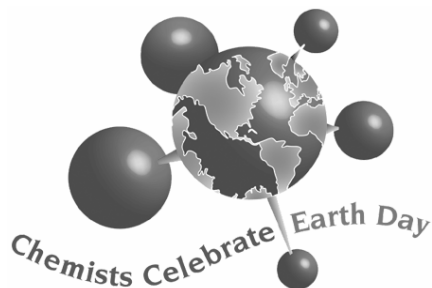


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Design, Despair, and Deceit in Scientific Discovery

Dr. James Bohning
Lehigh University

Tuesday, March 29, 2005
Mount Saint Mary College

Dinner: 5:30 PM
Student Lounge (reservation needed for dinner)

Lecture: 7:00 PM
Reception Room, Aquinas Hall

Contact Dr. Lynn Maelia (Mount Saint Mary) at
845-569-3131 or by e-mail at maelia@msmc.edu.

About the lecture: Do scientists crave financial and other acclamations to guide them as they decide on the course of their work? Or are they more altruistic, following what Ralph Waldo Emerson said, that "All science has one aim, namely to find a theory of Nature"? While there are no simple answers, some aspects of the question will be explored in three case histories of scientific discovery. In one situation, the discovery was carefully calculated and executed to achieve a very specific purpose. In another, the discovery was the result of an accident that originally caused the investigators anguish. In the last instance, the reported discovery never happened at all. Each incident provides some insight into how scientific discoveries do, or do not, evolve.

About the speaker: Dr. James J. Bohning is Professor Emeritus of Chemistry at Wilkes University, where he was a faculty member from 1959 to 1990. He served there as chemistry department chair from 1970 to 1986 and environmental science department chair from 1987 to 1990. Dr. Bohning was chair of the American Chemical Society's Division of the History of Chemistry in 1986, received the Division's Outstanding Paper Award in 1989, and has presented more than 40 papers before the Division at national meetings of the Society. He was on the advisory committee of the Society's National Historic Chemical Landmarks Program from its inception in 1992 through 2001, and is currently a consultant to the committee. He was on the editorial advisory board of the centennial history of the Dow Chemical Company, published in 1997. Beginning in 1985 he developed the oral history program of the Chemical Heritage Foundation in Philadelphia, and was the Foundation's Director of Oral

History from 1990 to 1995. From 1995 to 1998 he was a science writer for the News Service group of the American Chemical Society in Washington, D.C. He is currently a Visiting Research Scientist and CESAR Fellow at Lehigh University.

About the dinner: Dinner is \$20 per person, which includes a chicken entrée, pasta, rice, salad, dessert, and beverage. Contact Dr. Maelia at 845-569-3131 or by e-mail at maelia@msmc.edu to reserve.

Directions: Mount Saint Mary College is located at 330 Powell Avenue in Newburgh, NY. For additional information, visit <http://www.msmc.edu>. Take I-84E to Exit 10. At the bottom of the ramp take a right onto 9W South. (From the East, take I-84W to the second exit after the Newburgh-Beacon Bridge (Exit 10S). At the bottom of the ramp, turn right onto Rte. 32 and then another right at the first traffic light onto 9W South.) From 9W South, turn left onto North Plank Road (south of the I-84 overpass). Stay on North Plank Road 1/4 mile and turn right at the first traffic light onto Powell Avenue. The College is 1/4 mile on the left.

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You will then receive an e-mail message with more information about the listserv (posting, unsubscribing, etc.).

6th Annual ACS Undergraduate Chemistry Research Symposium

Wednesday, April 20, 2005

3:00 – 8:00 PM
Vassar College

Poster Session: 3:00-4:30 PM (Villard Room)
Refreshments: 4:30 PM
Talk: 4:45 PM
Dinner: 6:15 PM (Alumnae House)

Guest Speaker: Dr. Ronald Breslow

S.L. Mitchill Professor of Chemistry and University Professor
Department of Chemistry, Columbia University

Topic: *"What is Left for the Next Generation of
Chemists to Do?"*

The Mid-Hudson Section of the American Chemical Society is pleased to announce the sixth annual Undergraduate Chemistry Research Symposium to be held at Vassar College on Wednesday, April 20, from 3:00 to 8:00 PM. The symposium provides a chance for area undergraduate students in the chemical sciences to present their research. All areas of chemistry, environmental science, molecular biology, and related fields are welcome. The poster presentations will be held from 3:00-4:30 PM, followed by a guest speaker at 4:45 PM.

The Symposium: The symposium will be held from 3:00-4:30 PM in the Villard Room on the second floor of the College Center at Vassar College. Set-up must be completed by 3:00 PM. As in previous years, all research will be presented as posters. To present a poster, please submit an abstract of 200 words or less. The format for the abstract should adhere as closely as possible to the following guidelines: 1) 12 point Times-Roman font, 2) One inch margins, 3) MS Word document, 4) The abstract title should be typed in capital letters, followed by the authors' names and institution name, institution address, and telephone number in lower case letters. Advisor's name should be followed by an asterisk (*). **Please submit the abstract no later than Friday, April 8 by e-mail or diskette to Dr. Miriam Rossi.** If you are unable to meet this deadline, please contact Dr. Rossi by phone or e-mail (845-437-5746/rossi@vassar.edu). We will have poster easels available for the first 35 participants; tables will also be available. Your poster should be self-supported on cardboard or posterboard backing. The standard size for ACS posters is 48 inches wide by 36 inches high. You will be contacted before the symposium to confirm acceptance of your abstract. Please note: there will be a \$25 conference fee per poster up to \$100 maximum per school. Please submit your abstract, via e-mail or diskette, to:

Dr. Miriam Rossi
Department of Chemistry
Vassar College, Box 484
124 Raymond Avenue
Poughkeepsie, NY 12604

Dinner: Please make reservations with Dr. Miriam Rossi by **Friday, April 8**. The buffet-style dinner is \$28 per person. Dinner includes salad, a choice of entrée (chicken or vegetarian), bread, dessert, and beverage (cash bar).

Directions: Vassar College is located off Raymond Avenue in Poughkeepsie, NY. Refer to the following link for driving directions: <http://www.vassar.edu/directions/>. Enter the Main Entrance of the campus on Raymond Avenue and The Main Building and College Center are in front of the Main Entrance. The Security Guard at the Main Entrance will direct you to parking. The Villard Room is on the second floor of the Main Building/College Center. The Alumnae House is located across the street from the tennis courts on Raymond Ave at Vassar.

Call for Applications for Undergraduate Student Research Awards

The Mid-Hudson Section of the American Chemical Society invites applications for 2005 Undergraduate Research Awards from student researchers who plan to present their work at the 2005 undergraduate poster symposium. Three students will be selected to receive \$200 in awards. *Applications for research awards are not a requirement for attending and presenting at the poster symposium.*

Rationale

The Mid-Hudson Section wishes to reward undergraduates who participate in good quality research and plan to present at the poster symposium by providing small grants to allow students to present at a regional or national conference.

Criteria

Research work should be completed by a student currently enrolled (2004-2005 academic year) as an undergraduate at one of colleges in the Mid-Hudson ACS area. Students must plan to present their work at the 2005 Mid-Hudson ACS Undergraduate Research Poster Symposium.

Application Procedure

Applicants must submit a short (2 page maximum) summary of their research work aimed at an audience with college level chemistry knowledge. Applicants should include a brief background, relevant results, and possible significance of the research to the wider community. The summary should be written in normal scientific format and divided into appropriate sections (Introduction, Experimental, Results and Discussion, Conclusion, Acknowledgements, and References). Applications should be sent along with the poster abstract to Dr. Miriam Rossi (Vassar College, Box 484, 124 Raymond Ave, Poughkeepsie, NY 12604, e-mail: rossi@vassar.edu) by April 8, 2005, preferably in electronic format (as a WORD document).

Science Fair Judges Needed

Judges are needed for the upcoming **Dutchess County Regional Science Fair**. It will be held on Saturday, **April 9, 2005**, at Falcon Hall, Dutchess Community College in Poughkeepsie. Directions are available at <http://www.sunydutchess.edu/aboutthecollege/>. It will begin at 9:00 AM and judging should end by 1:00 PM.

The Mid-Hudson Section has been active in this annual fair for many years. We present special awards to deserving chemistry-related projects. Those who have participated in the past would attest to the satisfaction they received from being involved in this event. The judges get to interact with the individual students, asking questions and giving feedback. The students are very enthusiastic and appreciative of the scientists who are willing to come out on a Saturday morning to view and judge their efforts.

Please contact Patti Cusatis at 914-785-2970 (work) or 845-569-1359 (home) or by e-mail at patti.cusatis@cibasc.com for more information or to volunteer.

Volunteer judges are also needed for the **12th Annual Tri-County Science & Technology Fair**, Saturday, **April 16, 2005**, at the Harvey School in Katonah, NY.

This fair is open to all students in Westchester, Putnam, and Rockland, from kindergarten to 12th grade, in public and private schools. School districts are already participating by holding local competitions at their individual schools. The first-place winners from each school will compete in the fair. The emphasis is on original research-type science/technology projects and the advantages of getting teachers from all disciplines (not just science) involved. There is particular attention paid to the high school level as this fair is the necessary stepping stone for entrance into the Science Congress competition at the state level. The Putnam Children's Discovery Center, the Westchester & Putnam Technology Educators Association, the Westchester Chapter of Science Teachers of New York State, and the Hudson Valley Council of Technical Societies are cosponsoring this event. Several local companies and organizations have contributed to the funding of this event.

Awards will be presented in several categories in each of three grade levels (elementary, middle, and high school). The categories, modeled after the New York State Science Congress competition, are: Biology, Chemistry, Mathematics/Computers, Engineering/Technology, Environment, Earth/Space Science, Physics, and Psychology.

Volunteers should have a technical background in the categories to be judged and an enthusiasm to inspire children in Science & Technology. Orientation (with a continental breakfast) will begin at 9:00 AM on April 16. Judging will begin at 10:00 AM. We will try to place you in the field closest to your expertise. Volunteers will judge anywhere from 7 to 12 students either from elementary, middle, and/or high school. Mentor young scientists-to-be, listen to them, and share your experiences. Judging will end by 1:00 PM. A light lunch will be served, followed by the awards ceremony. If you can participate in this worthwhile and enjoyable activity, please fill out the registration form at <http://www.discoveryctr.org/tcsfvolunteers.htm>.

After submitting your registration form, you will be listed as an official judge in the Science Fair program. A few weeks before the Fair, you will be e-mailed with a reminder and sent a packet of information, including a map with directions, judging guidelines, and a program.

If you have specific questions regarding the Tri-County Science & Technology Fair, please contact Frank Iacopelli at 845-276-2076 ext. 305 or by e-mail at iacofr@consumer.org.

WCC News

The Women Chemists Committee will have a dinner meeting on Friday, April 15, at 6:30 at the Cena 2000 at the Newburgh Waterfront. The water chemistry workshop being organized for the November STANYS conference will be discussed. If you are interested in attending the dinner, please contact Mary Dery at 845-528-0230, or e-mail at derymary@aol.com.

Mary Dery, Ph.D.
President


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Chemists Celebrate National Chemistry Week 2004 Poster Contest Winners in the Mid-Hudson Section
-from Michelle Rodden

Our judge was Ms. Nora Balantzian from Ulster County Community College. She is an Advertising Design & Graphics Art major and plans to transfer to SUNY New Paltz as a Graphic Art major. Her career goal is to be a graphic designer.

Entries were judged based on the following criteria: (a) poster met material and size requirements, (b) originality and creativity, (c) relevance to and incorporating the theme (health & wellness), and (d) visual impact and neatness. One hundred sixty entries were received in three of the four age categories. Prizes were awarded on the local level for 1st, 2nd, and 3rd place in each category. First Place posters have been submitted to the National ACS in Washington, D.C. and will be displayed during the 229th ACS National Meeting in San Diego, CA, March 13 - 17, 2005. One winner and one honorable mention will be chosen in each category for the national prize. National winners will receive a handheld color TV. National honorable mentions will receive a set of TalkAbout 2-Way radios. Teachers of winning students will receive a "Periodic Table of the Elephants" Poster.

Grades K - 2

FIRST PLACE

Michele Amado, Grade 2
144 North Putt Corners Road
New Paltz, NY 12561
(845) 255-5127
St. Joseph's School
Mrs. Cranston, teacher
235 Wall Street
Kingston, NY 12401
(845) 339-4390

SECOND PLACE

Cheyenne Michelle Lopez,
Grade 2
120 Hardenburg Road
Ulster Park, NY 12487
St. Joseph's School
Mrs. Cranston, teacher
235 Wall Street
Kingston, NY 12401
(845) 339-4390

THIRD PLACE

Ryan Bayer, Grade K
87 Heritage Lane
Montgomery, NY
Bishop Dunn Memorial School
Mrs. Kleister, teacher
50 Gidney Avenue
Newburgh, NY 12550
(845) 569-3494

Grade 3 - 5

FIRST PLACE

Taylor Garrison, Grade 5
7 Churchill Street
Cornwall-on-Hudson, NY
12520
(845) 534-1385
Bishop Dunn Memorial School
Mrs. Kleister, teacher
50 Gidney Avenue
Newburgh, NY 12550
(845) 569-3494

SECOND PLACE

Meghan Spoth, Grade 5
5 Rodmans Lane
Ulster Park, NY 12487
(845) 338-0803
St. Joseph's School
Ms. Merker, teacher
235 Wall Street
Kingston, NY 12401
(845) 339-4390

THIRD PLACE

Vincent Terrone, Grade 5
109 East Main Street
Port Ewen, NY 12466
(845) 339-0601
St. Joseph's School
Ms. Merker, teacher
235 Wall Street
Kingston, NY 12401
(845) 339-4390

Grades 6 - 8

FIRST PLACE

Corey Affron, Grade 7
6 Harvey Way
Marlboro, NY 12550
(845) 565-1959
Bishop Dunn Memorial School
Mrs. Kleister, teacher
50 Gidney Avenue
Newburgh, NY 12550
(845) 569-3494

SECOND PLACE

Noelle Gogg, Grade 7
66 Roosevelt Avenue
Kingston, NY 12401
(845) 338-1607
St. Joseph's School
Ms. Merker, teacher
235 Wall Street
Kingston, NY 12401
(845) 339-4390

THIRD PLACE

Polly McElrath, Grade 7
104 Boulevard
Kingston, NY 12401
(845) 338-2406
St. Joseph's School
Ms. Merker, teacher
235 Wall Street
Kingston, NY 12401
(845) 339-4390

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Department of Chemistry
Columbia University

Topic: What is Left for the Next Generation of Chemists to Do?

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(Please Post)