The TarHelium

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The TarHelium
c/o William L. Switzer, Editor
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Vol. 24, No. 4 December 1993

W. L. Switzer, Editor
S. T. Purrington, Assistant Editor
P. A. Flowers, Advertising

The TarHelium is a publication of the North Carolina Section of the American Chemical Society. The views expressed herein are not necessarily those of the Section. Public lectures and seminars as well as announcements of interest to the ACS membership will be listed as deemed appropriate by the editor and as space permits. Short commentaries or contributed articles will also be considered. Also, we are happy to publicize, free of charge, any job openings for chemists. (We also accept paid advertisements for more extensive recruiting announcements.) The **Deadline** for each publication is usually the first of the month prior to publication.

Contributions for *The TarHelium*: Send to the W. L. Switzer, Editor, Chemistry-8204, North Carolina State University, Raleigh NC 27695-8204. Phone: (919) 515-2945, Fax: (919) 515-5079 and Internet: bill_switzer@ncsu.edu.

Advertising: All nine issues of the TarHelium will accept advertising. The cost is: $25 per column-inch based on a 3.5 inch width; two-inch minimum. There is a 10% discount for advertising in four or more issues in a publication year which runs from September through April plus one issue in the summer. Contact Paul Flowers, Advertising Manager, Department of Physical Science, Pembroke State University, Pembroke NC 28372, Phone: (919) 521-6247 Fax: (919) 521-6649 and Internet: paul@nat.pembroke.edu.

Donations to the NC Section of the ACS help sustain Local Section activities. All contributions are tax deductible and greatly appreciated.

Voicemail Information Line: (919) 541-7183 in the RTP

10-General ACS
11-Polymer Discussion Group
52-NMR Discussion Group
53-Mass Spectrometry Discussion Group
54-Triangle Chromatography Discussion Group

If you wish to change your membership status or *The TarHelium* mailing address, please submit your new address along with your old address in the form of a recent *C&EN* or *TarHelium* address label to:

Manager, Membership & Subscription Services
American Chemical Society
P. O. Box 3337
Columbus, OH 43210

If you wish to receive announcements of Local Section ACS events by electronic mail, please submit your e-mail address to the Internet address given above for the Editor.

Deadline for January Publication
December 1, 1993

National ACS meetings:

March 13-18, 1994, San Diego
August 21-26, 1994, Washington
April 2-7, 1995, Anaheim
August 20-25, 1995, Chicago
March 24-29, 1996, Seattle
August 25-30, 1996, Boston

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MS Discussion Group Meeting

Thursday, December 2, 1993

Dr. Dawn Riegner, Department of Chemistry
University of North Carolina, Chapel Hill
"Factors Influencing Relative Ion Abundance in FTICR Collision Induced Dissociation Mass Spectrometry"

Dr. Don Chace, Division of Genetics and Metabolism
Department of Pediatrics, Duke University Medical Center
"Application of Dynamic Liquid SIMS Mass Spectrometry in the Analysis of Metabolic Profiles from Blood Spots"

Dreyfus Auditorium,
Research Triangle Institute
Institute Dr., Research Triangle Park NC

Social: 7:00 p. m. Dreyfus Auditorium
Lectures: 7:30 p m. Dreyfus Auditorium (open to the public)
Reservations: not necessary

NC Distinguished Speaker Local Section Awards

Tuesday, December 7, 1993

Dr. F. Ivy Carroll, Research Triangle Institute
"Cocaine Research: Pharmacophore Development and Brain Imaging Studies"

Friday Continuing Education Center
University of North Carolina
Highway 54, Chapel Hill NC

Social Hour: 6:30 p. m. Willow Room
Dinner†: 7:00 p. m. Magnolia Room ($16 members/guest; $8.00 Students/High School Teachers)
Awards/Lecture: 8:00 p. m. Magnolia Room (open to the public; no charge)

†Reservations required for the dinner In Chapel Hill call Becky Smith, 962-2172; in Durham, Bonnie Turner, 660-1506; in Raleigh, Joyce Dunn, 515-2355; in Fayetteville, Sandra Smith, 486-1571; or by e-mail at Internet: bill_switzer@ncsu.edu. Reservations Deadline: Noon, Friday, December 4.

Chair's Awards

At the December meeting of the North Carolina ACS Chapter, 1993 Chair's Awards will be presented to the following individuals:

Alex Tropsha - for success in chairing the NC Section Fall Symposium on "Molecular Modeling: Integration of Theory and Experiment" and efforts to organize and charter a new Molecular Modeling Discussion Group.

Ken Cutler - for extraordinary efforts resulting in a highly successful Project SEED the program in the summer of 1993.

Erin Keating - for superb program direction for National Chemistry Week activities which actually spread over the month of November and reached many families in our region.

Polymer Discussion Group Meeting

Thursday, December 9, 1993

Richard Schrock, Massachusetts Institute of Technology
"Olefin Metathesis"

North Carolina State University Faculty Club
4200 Hillsborough St., Raleigh NC

5:30 p. m. Social Hour
6:30 p. m. Dinner†(members-guests: $15; students $8)
7:30 p. m. Lecture

†Reservations by noon, December 7, with Walter Pawlowski (919) 543-2243 (IBM-RTP).

Increase in Local Section Dues

At the December Local Section meeting, a business meeting will be held to discuss the proposed increase in Local Section dues from $3.00 to $5.00. The Local Section Executive Committee strongly supports this very modest dues increase. Ballots were sent with the November *TarHelium*. The voting deadline in December 31, 1993. The ballot should be sent to:

Dr. Michael T. Riebe-EP 2084, NCACS Secretary
Glaxo, Inc.
5 Moore Dr.
Research Triangle Park NC 27701-4613

If there was a problem in receiving the ballot, contact the *TarHelium* Editor, Bill Switzer. His address, phone numbers and e-mail address are given on page 2.

Local Section Election Results

Chair Elect: Michael T. Riebe (Glaxo)
Secretary: Carol A. Haney (NCSU)
Councilor '94: James L. Chao (IBM)
Alternate Councilor '94: Malcolm D. E. Forbes (UNC-CH)

Section Distributes Publication

The NC Section distributed copies of "Serendipity in Science" to all public high schools in the Section. Teachers were asked to place copies in public libraries, too. This publication is available to private school on request. Contact the Editor; see page 2.

NC ACS to Host SERM 1998

At the 1993 Southeastern Regional Meeting (SERM) in Johnson City TN, the NC Section made a successful bid to host the 1998 SERM. After studying six alternative sites, five of which seemed capable of hosting the meeting, the bid was made proposing the Sheraton Imperial Hotel and Convention Center near the Research Triangle Park. Work will begin soon on organizing this meeting. Local Section officers would appreciate identifying members dedicated to working for this meeting. Please look for opportunities as they arise and are reported in the *TarHelium*. The bid committee was: James S. Bernstein (BW), Halbert C. Carmichael (NCSU), William E. Hatfield (UNC-CH), Peter Smith (Duke) and William L. Switzer, Chair (NCSU).

Job Openings

All job announcements are broadcast immediately upon receipt to the e-mail distribution list. If you wish to be included send your address to: bill_switzer@ncsu.edu.

Burroughs Wellcome: Job Line at (919) 315-8347.

EPA-RTP: Job line (919) 541-3014. Updated every Friday.

Glaxo: Job Line (919) 248-2565

RTI: Contact: Research Triangle Institute, Office of Human Resources, PO Box 12194, Research Triangle Park NC 27709-2194. Phone: (919) 541-6466.

Postdoctoral Chemist (Term) F0430 62A PhD in Organic Chemistry with training in organic synthesis. Will conduct research to synthesize novel organic compounds. (Term) (GC) Analytical Chemist I/II/III G0073 70A BS/BA or MS in Chemistry with experience in trace metal analysis. Experience in clean room techniques and operation of graphite furnace AA or ASV preferred. Experience with GLP's helpful. Will perform research and analysis in inorganic analytical chemistry and methods development for graphite furnace AA and ASV. (GC) Chem. Eng./Env. Eng./Env. Sci. II/III J0245 94A BS/MS in Engineering/Environmental Science with good written/oral communication skills essential. Experience with computer spreadsheet and database mgmt. and in pollution prevention/waste mgmt. and the ability to travel to industrial facilities required. Will conduct environmental research tasks assigned by and under the supervision of project leader. (GC) Chemist I F0415 63A BS in Chemistry with training or experience in organic synthesis. Will synthesize, purify and analyze organic compounds. (GC) Chemist I/II F0427 63A BS/BA in Chemistry with emphasis in organic chemistry and training or experience in analytical methods. Will conduct studies of the metabolism of drugs and environmental chemicals and analyze biological fluids for these chemicals. (GC) For. An. Tox. III/Res. For. An. Tox. I F0414 64A BS/BA in Chemistry or related discipline with at least 1-2 yrs. experience in the review and certification of GC/MS and immunoassay data, QC procedures and chain of custody. Will review laboratory inspection reports, SOP's, data, remedial action submissions, assist in determining laboratory status and other duties as required. (GC) Postdoctoral Chemist (Term) F0409 63A PhD in Organic Chemistry with training in organic synthesis. Will conduct research to synthesize novel organic compounds. (Term) (GC) Postdoctoral Chemist (Term) F0417 60A PhD in Organic Chemistry with synthetic chemistry research experience. Will synthesize phosphonates and protein conjugates with some metabolism and kinetics work possible. (Term) (GC) Postdoctoral Chemist (Term) F0422 63A PhD in Chemistry with research experience in organic synthesis. Will conduct research in the synthesis of organic compounds. (Term) (GC) Postdoctoral Chemist (Term) F0423 63A PhD in Organic Chemistry. Duties include organic synthesis. (Term) (GC) Postdoctoral Chemist (Term) F0424 63A PhD in Organic Chemistry plus experience with organic synthesis. Duties include radiosynthesis. (Term) (GC) Postdoctoral Chemist (Term) F0426 63A PhD in Chemistry with experience in organic synthesis. Will synthesize novel organic compounds. (GC) Postdoctoral Chemist (Term) F0428 64A PhD in biochemistry, molecular biology or related biological science. Background in biochemistry, enzymology or cell biology is required. Experience with radiolabeled tracer techniques is desired. Will conduct research to develop mechanistic-based assays for anti-cancer agents found in natural products particularly plants. (Term) (GC) Postdoctoral Chemist (Term) F0429 64A PhD in organic chemistry with experience or training in organic synthesis. Will conduct research to synthesize novel organic compounds. (Term) (GC) Quality Assurance Specialist I/II F0425 60D BS/BA in Chemistry/Biology with experience in analytical chemistry, pharmacokinetics. GLP audits and inspections. Will perform audits and inspections of toxicology and analytical chemistry procedures and reports. (GC) Res. Analytical Chemist II/III G0071 72A PhD in Analytical Chemistry with 2-5 years of experience in analytical/environmental chemistry. Experience conducting independent research programs. Should have good communication and management skills. Develop independent research programs. Write proposals and grants, manage projects, interact with clients. (GC) Res. Forensic An. Toxicologist I/II F0407 64A PhD or equivalent in Chem., Toxicology, Pharm. or related discipline with experience in the technical direction of a forensic urine drug testing laboratory or as an inspector of FUD laboratories. Must have excellent communication skills. Will review laboratory applications, inspection reports; SOP's; laboratory data & other information; determination of lab. cert. status; performance testing & results. (GC) Res. Nat. Prod. Sci. III/Sr. NPS I/II/III F0413 60A PhD with experience in the isolation and structure determination of natural products. (Experience in synthesis and testing of natural products will be considered). Will be responsible for leading natural products research programs; writing successful grant/contract proposals; managing research projects and supervising laboratory staff. (GC)Research Chemist I/II F0410 66A PhD in Polymer Chemistry with 3-5 years of postdoctoral research experience in polymer chemistry or material science. Will be responsible for developing R&D proposals to generate external funding and to carry out funded research in the area of polymer science. (GC)

Area Seminars

Dec 2 J. Israelachvili, University of California, Santa Barbara, "Interactions Between Surfaces In Liquids: Relations Between Liquid Structures and Forces", UNC-Colloquium

Dec 3 Craig A. Townsend, Johns Hopkins University, "Recent Studies of the Origins and Functions of Natural Products", Duke

Dec 7 D. Sogah, Cornell University, "Synthesis of Polymers of Controlled Sequence and Topology", UNC

Dec 7 F. Ivy Carroll, Research Triangle Institute, "Cocaine Research: Pharmacophore Development and Brain Imaging Studies", ACS

Dec 9 Richard Schrock, Massachusetts Institute of Technology, "Olefin Metathesis", Polymer

Dec 9 C. Lineberber, University of Colorado, "Time Resolved Dynamics In Large Molecular Cluster Ions", UNC

Dec 10 Sr. Mary Virginia Orna, College of New Rochelle, "Uncovering the Secrets of Medieval Artists Through Chemistry", NC Museum of Art

ACS-American Chemical Society general meeting. Call Bill Switzer (919) 515-2945 (NCSU). Voice Mail (919) 541-7183, box 10

MS-Mass Spectrometry Discussion Group. Call Carol Haney (919) 515-3746. Voice Mail (919) 541-7183, box 53

NMR-NMR discussion Group. Call Stephen Brown (919) 941-3207 (Glaxo), Voice Mail (919) 541-7183, box 52

Polymer-ACS Polymer Discussion Group. Call Walter Pawlowski (919) 543-2243 (IBM-RTP). Voice Mail (919) 541-7183, box 11

TCDG-Triangle Chromatography Discussion Group. Call John Hines, RTI 541-6647. Voice Mail (919) 541-7183, box 54

Duke (Chemistry) Call Bonnie Turner at 660-1506.

NCSU (Chemistry) Call Joyce Weatherspoon at 515-2548.

UNC-CH (Chemistry) Call Becky Smith at 962-2172.

NCSU Seminar at NC Museum of Art

On Friday December 10th, Sister Mary Virginia Orna, College of New Rochelle, is giving a seminar on "Uncovering the Secrets of Medieval Artists Through Chemistry" for the NCSU Chemistry Department. This special seminar, which is open to the public, will be held at the North Carolina Museum of Art at 3:30 p. m. with refreshments provided at 3:00 before the talk. The museum is an excellent environment in which to see the art that Sister Mary Virginia will be describing.

Faculty Grants and Contracts

ACS: "Pyruvate Aldolases for Stereocontrolled Carbon-Carbon Bond Formation," Eric J. Toone, Duke

NIH: "Syntheses of Some Optically Active Alkaloids," (Shannon Award) Steven W. Baldwin, Duke; "Pentyl Glycosides in Transformations at Anomeric Center," Bertram O. Fraser-Reid, Duke; "Pyruvate Aldolases in Organic Synthesis," Eric J. Toone, Duke; "Bio-Organic Photochemistry," Michael C. Pirrung, Duke

NC Biotechnology Center: "Enzymatically Amplified Electrochemical Sensors for Oxidizable Pharmaceuticals," Louis A. Coury, Duke; "A Protein Engineering Approach to Designing Protein-bases Inhibitors," Marshall Hall Edgell, UNC-CH; "Immobilized Metal-ion Affinity Gel Electrophoresis of Phosphoproteins," Leonard Holmes, Pembroke State; "Expand and update an introductory biochemistry course; design and implement a new advanced biochemistry course for undergraduates," William L. Miller, NCSU; "Establish an intensive short course in biotechnology for business executives," Michael C. Pirrung, Duke; "Genetically Tailored Polypeptides," Edward T. Samulski, UNC-CH

USDA: "Studies of Insect Epoxide Hydrolase," R. J. Linderman and R. M. Roe, NCSU

US DOE: " Theoretical Studies of Surface Reactions on Metals and Electronic Materials," Dr. J. L. Whitten, NCSU

Area News

NCSU** and **Glaxo Research Institute: are sponsoring a series of public lectures on current topics in biochemistry that will begin Nov. 18. The first lecture will concern RNA, the nucleic acid that helps control cellular chemical activities essential for life.

Dr. Douglas H. Turner of the University of Rochester in Rochester, NY, was the first speaker on "RNA Folding and Unfolding" on November 18. The lecture series, which is free and open to the public, will bring three renowned speakers to the NCSU campus each year for four years. In addition, the annual Matrone Lecture will complement the series by bringing a fourth speaker to campus.

The first year of lectures will focus on RNA structure and function. Like DNA, RNA is a nucleic acid that is the blueprint for life for certain organisms and for viruses that cause disease, including HIV, mammary tumor virus and feline leukemia virus.

Glaxo is funding the lecture series to promote collaboration between its scientists and faculty and students at NCSU who are working on RNA research. Scientists believe that RNA applications will be the foundation of a new wave of pharmaceutical products.

Upcoming lecture speakers are: Dr. Harry F. Noller, University of California, Santa Cruz, January 20, "RNA Structure and Function" (Matrone Lecture); Dr. Ellie Ehrenfeld, University of California, Irvine, February 17, "Polio Virus Replication"; and Dr. Alan P. Wolffe, National Institutes of Health, March 10, "Y Box Proteins: Roles in Transcription and Translation."

NCSU: The North Carolina State University Board of Trustees has presented the Alexander Quarles Holladay Medal for Excellence to four faculty members for their outstanding careers at NCSU. Among the four is Dr. James K. Ferrell, Alcoa Professor of Chemical Engineering emeritus and former interim dean of the College of Engineering. Ferrell has been an administrator and faculty member at NCSU for more than 30 years. Ferrell joined the NCSU faculty in 1954 after receiving the first doctoral degree in chemical engineering awarded by NCSU. He has served in numerous administrative and teaching positions including as head of the Department of Chemical Engineering, as associate engineering dean of graduate studies, and as interim dean of engineering. A pioneer in computer systems development, Ferrell also is internationally recognized for his contributions to the field of heat transfer.

Holladay Medal recipients are selected by the Board of Trustees in consultation with the provost and the University Honors Council. The Holladay Medal is the highest honor bestowed on a faculty member by the trustees and the university.

In other news, Dr. Jerry L. Whitten, dean of the College of Physical and Mathematical Sciences at North Carolina State University, has been appointed a four-year term on The Burroughs Wellcome Fund Board of Directors. An internationally known molecular chemist, Whitten was selected because of his chemistry background and his interest in science education.

A private, non-profit foundation, The Burroughs Wellcome Fund was established in 1955. It seeks to advance medical knowledge through research and for other scientific, scholarly and educational purposes. "I am excited about joining the fund's board and contributing to its investment in medical research and the underlying science," Whitten said. Whitten came to NCSU as dean and professor of chemistry in 1989. Prior to that, he was chairman of the Department of Chemistry at State University of New York at Stony Brook. He received his bachelor of science degree and his doctoral degree from Georgia Institute of Technology. He is a member of the New York Academy of Sciences, the American Chemical Society and the American Physical Society.

Dr. Suzanne T. Purrington was elected Secretary-Treasurer of the ACS Division of Fluorine Chemistry.

Dr. Joseph Hall, Biochemistry, has been appointed to serve on the Advisory Panel for the Physiology and Behavior Program at the National Science Foundation. The panel develops and recommends policies concerning the peer review process.

Dr. Elizabeth Theil, Biochemistry, has been appointed to the Division of Research Grants Advisory Committee at NIH to develop and recommend policies concerning the peer review process. She also was elected Vice-Chair of the 1994 "Metals in Biology Gordon Conference" and will be Chair for 1995.

Catalyst Awards

Twenty-four outstanding teachers of science, chemistry and chemical engineering will be honored by the Chemical Manufacturers Association's Catalyst Awards program in 1994. To date, 436 leaders in chemical and science education from the United State and Canada have been recognized by the program throughout its 38-year history. The following awards will be given in 1994:

NATIONAL AWARDS: $5000, medal and citation to:

- Four professors of chemistry/chem. eng. in four-year colleges
- One professor of chemistry in a two-year college.
- One high school chemistry teacher.
- One middle school science teacher.
- One elementary school science teacher

REGIONAL AWARDS: $2500, medal and citation to:

- Four professors of chemistry in two-year colleges.
- Four high school chemistry teachers.
- Four middle schools science teachers.
- Four elementary school science teachers.

Nomination information available from the Editor. Deadline is January 28, 1994.

Duke Symposium Honors Ghirardelli

"CHIRALITY, STEREOCHEMISTRY AND ORGANIZED MEDIA"

A Symposium Honoring Dr. Robert G. Ghirardelli

Sponsored by the Department of Chemistry, Duke University and the United States Army Research Office

Gross Chemistry Laboratory, Duke University

Registration: 1:00 p. m.-2:00 p. m. Lobby of Gross Laboratory
Fee: $25 includes box lunch on Saturday. Students, not including lunch, admitted free.

Friday, January 21, 1994
Session on Chirality and Stereochemistry
Prof. Richard A. Palmer, Chairman

2:00 Professor George Gokel, University of Miami, "Feeble Forces and Flexible Frameworks"

3:00 Professor Bertram Fraser-Reid, Duke University, "Carbohydrates to Carbocycles: Strategies for Densely Functionalized Natural Products"

4:00 Professor Gary Schuster, University of Illinois, "Photoresolution of Organic Photoreceptors in Liquid Crystalline Media: Approaches to a Chiroptical Switch"

Saturday, Jan 22
Session on Organized Media
Dr. Reginald Seiders, Chairman

9:00 Professor Robert Moss, Rutgers University, "Iodosobenzoates as Hydrolysis Catalysts"

10:00 Professor Warren Ford, Oklahoma State University, "Catalysis by Cationic Latexes"

11:00 Professor Fennel Evans, University of Minnesota, "Direct Imaging of Surfaces Used in Surface Forces Apparatus Measurements"

12:00 Lunch

1:00 Professor David Jaeger, University of Wyoming, "Chiral Cleaveable Surfactants"

2:00 Professor Fred Menger, Emory University, "Reactions in Microemulsions"

3:00 Panel on Organized Media and Phase Transfer Catalysis, Dr. Richard Ward, Edgewood RD&E Center, Chairman

NC "Science Star" Awards

SCIENCE: North Carolina is seeking nominations of people who have made significant contributions to the promotion of science literacy and science education in North Carolina. Appropriate nominees might be:

- outstanding teachers at any level who have inspired students to pursue careers in science, medicine or engineering
- scientists in business, government or industry who have organized effective recruitment plans for women and minorities for science careers
- people instrumental in developing school partnerships that have helped stimulate student interest in science
- people who have made substantial contributions to scientific/technical literacy

Contact the *TarHelium* editor, Bill Switzer, for nomination information. See page 2.

Iota Sigma Pi Awards Nominations

Iota Sigma Pi is soliciting nominations for three awards and scholarships: 1) the Undergraduate Award for Excellence in Chemistry, 2) the Gladys Anderson Emerson Scholarship (awarded to Elizabeth Margaret Currin of NCSU in 1993) and 3) the Anna Louise Hoffman Award for Outstanding Achievement in Graduate Research.

For the undergraduate award, the criteria are: excellence in chemistry and a senior woman in an accredited college or university, but the nominee need not be an Iota Sigma Pi member. For the Emerson Scholarship, the criteria are: excellence in chemistry or biochemistry, a woman who has attained junior standing in her curriculum at an accredited college or university with at least one semester of work to complete as of August 1 following the announcement and must be a member of Iota Sigma Pi. Membership may be applied for as part of the nomination. For the Hoffman Award, the candidate must be a full-time woman graduate student who is a candidate for a graduate degree in an accredited institution. The research must fall into one of the main chemical divisions: analytical, biochemical, inorganic, organic physical and/or ancillary divisions of chemistry.

Request applications materials from the *TarHelium* Editor, Bill Switzer. See page 2.

Mr. Wizard Wins Science Media Award

Don Herbert, better known as Mr. Wizard of the children's cable channel Nickelodeon, has been named the winner of 1994 American Chemical Society's James T. Grady-James H. Stack Award for Interpreting Chemistry for the Public.

The $3,000 award includes a gold medal and bronze replica and will be presented on March 15, 1994, in San Diego national meeting of the American Chemical Society.

"Over the years, Don has been personally responsible for more people going into the sciences than any other single person in this country… He has helped millions of people to understand what science is all about," according to George Tressel, former Director of Informal Science Education for the NSF.

Mr. Wizard has been America's science teacher for more than 40 years on commercial, public and cable television. Herbert is most recognized by today's generation for Nickelodeon's "Mr. Wizard's World" which aired from 1983-91. Reruns of these shows are still seen today.

Also in the 1980s, he produced 637 "How About" science shorts for public television. In 1987, "How About" tied with No 1 for the AAAS/Westinghouse Science Journalism Award for best science reporting on television.

Herbert began his TV career with NBC in 1951. He performed more than 4,500 science demonstrations using common household items during 14 seasons on "Watch Mr. Wizard." From 1952-59, he also was the science reporter with Ronald Reagan on the weekly "General Electric Theater" series.

Herbert's other contributions to science education television were his 30-second "Mr. Wizard Close-ups" on NBC's Saturday morning cartoon programming in the 1970s and his public television science personality show, "Experiment," which aired from 1965-66.

Herbert was born on July 10, 1917, and received his BS in Science and Drama from the University of Wisconsin, La Crosse in 1940. He resides in Bell Canyon, Calif.

Gopher to the ACS

The ACS Gopher server can be reached from: "All the Gopher Servers in the World : American Chemical Society"

The contents are: About the American Chemical Society Gopher (text), ACS Books Catalog (directory), ACS Information Numbers (text), Internet Chemistry Resources (text), Other Chemistry Gophers (directory) and Publications (directory).

The file, "About the American Chemical Society Gopher," reads: "Welcome to the American Chemical Society Gopher. This system contains items of interest to individual chemists. It currently contains the following categories of information.

Supplementary Material pages from the Journal of the American Chemical Society, beginning 1993. (Format: Page images as TIFF with Group 4 fax compression)

Copyright Transfer Form - for authors publishing in the ACS journals. (Format: TIFF with Group 4 fax compression)

Instructions for Authors for each of the 24 Peer-Reviewed journals. (Format: ASCII text files)

If you have other items which you feel would be useful, please contact us by sending e-mail to gopher@acsinfo.acs.org"

Anyone trying this Gopher who finds information that can be shared, please send contributions to the Editor; see page 2.

Kids & Chemistry In the Community

With kid-friendly kits like "Creatures from a Desert Pond" and "Jiggle Jelly," the ACS is test-launching a new program designed to share the excitement o chemistry with children ages 9-12.

The Kids & Chemistry program pairs scientists with kids for hands-on experiments that relate science to everyday life. In the process they will learn about current science issues and basic chemistry principles. The program is a partnership between local volunteers and ACS, and it will be supported by schools, companies and parents in communities where .

Kids & Chemistry will initially be tested for a year in Irvine, Calif.; Minneapolis; Baytown, Texas; and Arlington, Va. The programs will be launched in these cities starting in late September. If the test run is a success, the program will go national through ACS's network of local sections.

Kids & Chemistry centers around hands-on kits supplied by ACS. These lunch-bag sized packages hold enough experimental materials for four children each, and are meant to be used outside school. The kits include "Creatures from a Desert Pond," "Jiggle Jelly," "Chemical Reactions," and "Acid Rain."

The experiments are designed to relate science to real-life applications. For example, the "Chemical Reactions" kit will give children insight on how their bodies digest food. The "Acid Rain" kit will show the effect of acid rain on different surfaces. These kits also will include instructions for other experiments, covering topics such as the polymer science behind disposable baby diapers.

A second facet of Kids & Chemistry is CHEM (Chemicals, Health, Environment, & Me), a classroom program from the Lawrence Hall of Science in Berkeley, Calif. Other components include Science-By-Mail (a pen-pal program with scientists, developed by the Boston Museum of Science) and Project Link (a school-based mentoring program to promote gender equity in math and science).

Another crucial element of the program is the Science Alliance for Kids & Chemistry. This involves employers and civic groups, which can donate money, time or the use of facilities or materials to run the program. Communities also can get involved by providing a venue for the Kids & Chemistry sessions, for instance meetings, museums, shopping malls and schools.

ACS will train volunteers to conduct the programs and work with children. If you would like information, please contact Sophie Wilkinson at the ACS News Service at 202/872-4443.