



THE FILTER PRESS

Newsletter of the Georgia Section of the American Chemical Society

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Learning from Interactive Web Pages *Professor Henry R. Bungay* *Rensselaer Polytechnic Institute*

Even in its infancy, the World Wide Web is profoundly changing teaching. Hypermedia with links for easy navigation can present information with digression and interspersed explanations that are not possible with books, lectures, or videotapes that have fixed, linear formats. Wise teachers create local archives of web pages gleaned from the internet because long waits for downloading cripple the learning process. Placing internet teaching materials in the Public Domain allows iteration and competition as better and better presentations evolve. The internet is a dynamic medium that can be changed in minutes and published instantly. Web pages should exploit computer technology and not just display what could be on a hard copy. Features such as animation and interation can transmit concepts in ways that are unapproachable by the print page. Java, the premier language for creating such features, has a steep learning curve, but modifying code developed by others is a quick entry into a new realm of publication. Examples of pages that do something are found in the archive for our courses that substitute web pages for one-half of the old lectures.

Henry Bungay is a Professor of Chemical Engineering at Rensselaer Polytechnic Institute. His experience includes over 10 years in industry, appointments at two other universities, a year with the National Science Foundation, and a short stint with ERDA, a forerunner of the US Department of Energy. He was Resident Energy Fellow with New York State ERDA. His book *Energy, the Biomass Options* won the American Association of Publishers Award for Outstanding Technical Book, and he has written three other books about using computers for teaching. He received the James Van Lanen Distinguished Service Award and the Marvin Johnson Award, both from the Division of Microbial and Biochemical Technology of the American Chemical Society. He is a fellow of the American Institute of Chemical Engineers and a licensed professional engineer in Virginia and New Jersey. His research interests are high-rate continuous bioprocessing, control of photosynthesis, and biomass energy.

Monday, March 20, at the Wyndham Garden Hotel, Marietta



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Georgia ACS meeting announcements are available by email. To be placed on our mailing list, just send a short message to Alan Gabrielli (agabriel@spsu.edu)

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Monday, March 20th, at The Wyndham Gardens Hotel

Learning from Interactive Web Pages

Professor Henry Bungay

Rensselaer Polytechnic Institute

Date: Monday, March 20th, 2000

Time: 6:30 - 7:30 pm arrive & social
7.30 - 8:30 pm Speaker

Dinner: There is no sit-down meal for this meeting, hors d'oeuvres will be served during the social hour.

Location: Wyndham Garden Hotel
1775, Parkway Place NW,
Marietta, GA, 30067
(770)428-4400

Directions: I75, exit 263. You can see the hotel from the Interstate. If you are travelling north from Atlanta take exit 263 – 120 West, go over the Interstate, go left at the second light and immediately left again. If you are travelling south turn right at top of exit ramp, go left at first light and immediately left again.

Cost: \$10 per person, full-time students with ID and high school teachers, \$5 . Payment should be made to the **ACS Georgia Section** and will be collected at the door.

NOTE: Feel free to bring a blank computer disk with you; Dr. Bungay has suggested that you may want to make copies of his talk and it can be downloaded quickly and easily.

RSVP: Lucian A. Lucia, 404-894-9712, <lucian.lucia@ipst.gatech.edu> or Kathie Seley, 404-894-4013, <katherine.seley@chemistry.gatech.edu> When making reservations, please state your name, professional affiliation, and telephone number. **Reservation deadline is 5:00 PM on the Thursday preceding the meeting. If you make a dinner reservation but fail to attend, you must still make payment for your meal to treasurer Angus Wilkinson, School of Chemistry and Biochemistry, Georgia Institute of Technology, Atlanta, Georgia 30332-0400, (404) 894-7452.**



2000 Georgia Section Meetings:

April 18th

Careers in Chemistry
Dr. Grant Dubois, Coca-Cola
Dr. Larry Gollob, Georgia-Pacific Resins
Dr. Tom Lachocki, BioLab

May

Herty Award

June

Summer Picnic

September

Dr. Tony Shuker

October 4th

NMR on Polymers
Dr. Ben Luberoff

November 6th

Chemistry Profession
Dr. Cecil Dybowski

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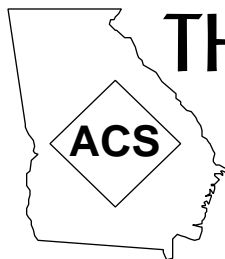
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