



CENTRAL ARKANSAS SECTION



Program:
Science Careers in the Food Industry
Dr. Carolyn Fisher

7:00 PM
Monday, October 15, 2001
Acxiom Hall, Room 119
Hendrix College

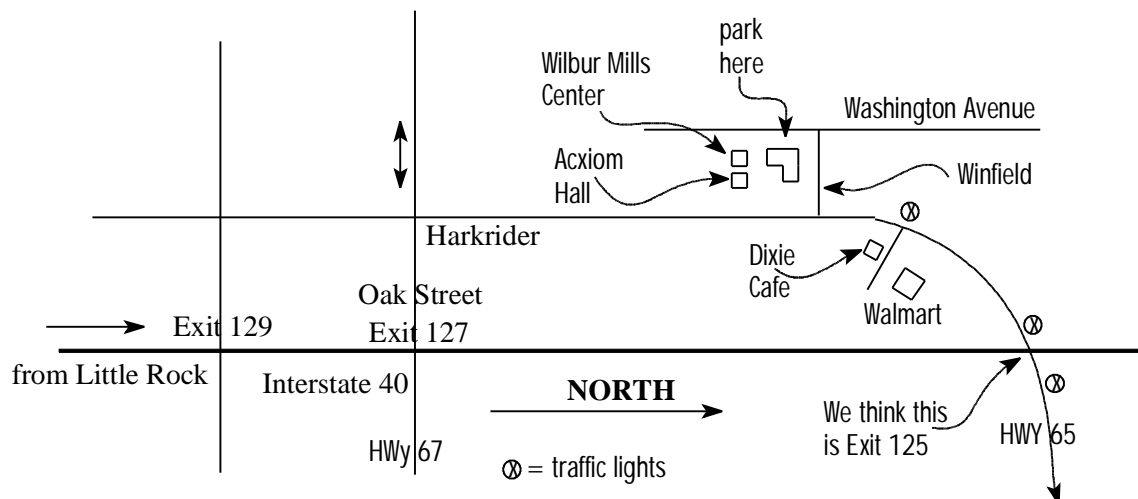
Dinner with the speaker: (if interested)
5:00 PM
Dixie Café, Conway

ABOUT THE PROGRAM: The first few minutes are used to describe my personal experiences in the food industry, then the Institute of Food Technologists' VHS videotape *In Good Taste: Career in Food Science* is shown. The focus here is that the food industry needs scientists that majored in biology, chemistry, chemical engineering, and, of course, food science. The students usually appreciate at this point a description of the entry-level jobs in quality control, research and development, and technical Sales. Then, depending on the audience, either a question and answer sessions ensues or a discussion develops about the types of chemical reactions that occur in foods and how the chemist is needed to understand and control them.

ABOUT THE SPEAKER: Carolyn Fisher received her B.S. in 1972 from Wayne State University and Ph.D. in 1978 from Stanford University. She was engaged in the research of separations at Kalsec from 1978 to 1991. Beside establishment of HPLC procedures for many different spice extracts, large scale separations lead to new products and purified active ingredients for research into their health benefits. At the University of Delaware from 1992 to 1996, she continued her work on the phenolic compounds isolated from plants and how they affect our food and health as well as writing the book *Food Flavours: Biology & Chemistry*. Her current responsibilities at McCormick & Co. encompass quality systems for industrial flavors. Her research into the efficacy and safety of both GRAS and non-GRAS botanicals has allowed McCormick to be a leader in flavoring these botanicals for future functional foods and dietary supplements.

HOW TO GET TO THE MEETING: From Little Rock stay on I-40 until the last Conway exit then exit to highway 65. Take a left under the freeway and continue on 65B past Walmart (on your left). At the Hendrix baseball field (on your left just past Walmart) take a right on Winfield and park in the library parking lot at Winfield and Washington Avenue. Walk toward the center of the campus. The Acxiom Physical Science Building is just south of the library. (MAP ON NEXT PAGE)

HOW TO GET TO DINNER: The Dixie Café is located just south of the Walmart store that you pass on the way to Hendrix.



It is time to prepare a ballot for section officers for 2002. Nominate a friend by contacting Jeff Moran at Jmoran@cteh.com or Jerry Manion at Jerrym@mail.uca.edu.

Final section meeting for 2001:

November 13: UALR: Ellis Fields, "After Oil, What Then? Alternative Sources of Fuels and Chemicals"

IF YOU HAVE FRIENDS WHO CONTINUE TO RECEIVE MEETING ANNOUNCEMENTS BY MAIL, HAVE THEM SEND THEIR EMAIL ADDRESS TO JERRYM@MAIL.UCA.EDU AND RECEIVE FUTURE MEETING ANNOUNCEMENTS ELECTONICALLY!!!

FROM THE CHAIR:

This month's tour speaker is a continuation of the lecture forum "Career Opportunities for Undergraduates". I hope that we can have a strong showing this month, like we did at the last meeting. For those that came to listen to Charles Deak, I believe you now realize some of the benefits of our local section, so for those that did not come, do not get left behind. Carylton Fisher is a great speaker, and I think she will be able to give some great advice about careers in the food industry. I have also asked to her to be prepared to discuss careers in all industries, in general terms, with interested students.

The Central Arkansas Section of the ACS held its annual fall officer meeting in late September, and it was attended by the treasurer, the counselor, the public relation officer, the national chemistry week coordinator, and myself. The major topics of discussion were as follows:

- 1) National chemistry week events
- 2) Future funding opportunities
- 3) The event for meeting the new chair
- 4) Identifying potential new officers for 2002

The overriding theme for the meeting was "funding", and the only thing we all agreed on was that we are limited and that there is no quick and easy answer. Therefore, we will be asking for your cooperation and patience in the years to come. We have identified a short-term grant, which, if granted, will cover some of the over budgeted events we have had over the past two years. Due to the limited funds, we were forced to cancel the "Meet the New Chair" event and our public event at the Arkansas Art Center for National Chemistry Week. In addition, we are discussing different ways to find additional funding and maximize the use of our yearly allotment from ACS. As some of these discussions become finalized, you should start seeing different protocols to follow for some of the routine things we have done for years. For example, student affiliate groups will now be required to submit funding proposals to the NCW coordinator by the end of the 2002 Spring semester (May 15, 2002) for the events that they have planned for the NCW week in the fall. These groups will subsequently be notified of receipt of funds for these proposals. To qualify for funds available for the NCW week in the following year, the funded student affiliates must submit a summary report describing their activities no later than one month following the NCW week in which funds were distributed. Do not confuse these plans for this year's activities. We are planning this year's activities as we have in the past, and the NCW coordinator should have contacted the student affiliates.

The changes for NCW week are one of many that must take place if long-term funding for our local section is not found. There are many ways to support long-term funding, and I have asked every undergraduate institution to help support (funding, volunteers, and facilities) the local section. I focused on these institutions because they represent over 90 percent of our membership. To date my campaign has not been a great success, but there is some good news. Harding University is a leader among our undergraduate institutions and has donated an undisclosed amount of funds to our local section. I now challenge all our undergraduate institutions to do the same. If all of our undergraduate institutions join together, I believe we can free up enough funds to support an investment program without jeopardizing any of our current programs. I am proposing that we cut our current budget by 30 percent to support the investing program. Currently, this interprets into approximately \$1200/year, which represents approximately \$150/year per institution, the time it takes to volunteer to write a grant for the local section, or a single fund-raising event to benefit the local section. I do not know about you but this seems like a great deal when you realize that our local section is currently giving each institution approximately \$1000 in the form of student affiliate support, funding for facility and student travel, tour speakers, career placement for their students, support for their NCW events, and much more. If the additional funds cannot be found, then the local section will be forced to cut some of these current programs if we ever want to grow and develop into a professional society which does more than cater to one sector of chemistry.

Although the details for the investment program are not worked out, I believe we must first find the funds to invest before we go to the next step. It is my hope that a good investment advisor (if you are interested let me know) can use an investment program like this to provide the future funding needed to develop programs for our governmental and industrial representatives. When we can offer our governmental and industrial representatives some programs that they enjoy, I will feel comfortable asking these representatives to help us in other ventures. I do not feel it is right to ask Eastman Chemical Co. or any other industrial company to continually fund academia ventures. These companies have been a great support to us in the past, but I think it is time to find other alternatives that can be sustained.

The last topic discussed at the officer meeting was identifying potential officers for 2002. We currently have vacancies available for all offices (Chair-elect, treasurer, secretary, NCW coordinator, public relation officer, councilor, and alternate councilor). If you are interested in holding one of these offices, please submit your name to Jerry Manion (JERRYM@MAIL.UCA.EDU or 501-450-5944).

-Jeffery H. Moran

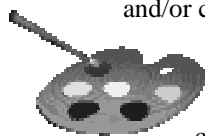
NOTES FROM THE SEPTEMBER MEETING:

Approximately 50 people (many of them college students) attended the ACS meeting on September 12 at the Arkansas State Crime Lab. During his talk on "Forensic Chemistry in the Private Sector", Charles K. Deak described cases in which he has been involved as the owner and operator of a private forensics laboratory. Many of the instances cited required the use of nonstandard laboratory approaches including the determination of percent carbon in soil for location of a gravesite and the use of ninhydrin to determine that items of clothing had been worn. Tours of the laboratory facilities were provided before and after the talk. Jeff Moran discussed a number of items related to section business including the possibility of external funding for section activities and plans for National Chemistry Week

FROM THE NATIONAL ACS:

GEARING UP FOR NATIONAL CHEMISTRY WEEK NOVEMBER 4-10, 2001

Thousands of chemists, teachers, students, and other volunteers will join forces to celebrate National Chemistry Week-2001. Participants are gearing up and planning events to carry out the theme--*Celebrating Chemistry and Art*. Events will include chemical demonstrations and hands-on activities; lectures and public displays; contests and games. In recognition of the 125th Anniversary of the American Chemical Society, local sections through the nation will conduct the unifying event, "*Celebrating Chemistry—Then and Now*, a poster contest for K-12th grade students. The contest challenges students to draw a poster illustrating how chemists and/or chemistry have contributed to positive changes in the quality of our lives in the past 125 years. Also during NCW-2001, the American Chemical Society will sponsor a T-shirt design contest for Student Affiliate Chapters, "*Chemistry: The Winning Formula*." The contest provides students an opportunity to share their unique talents by creating illustrations that can be used to promote chemistry and its positive contributions to everyday life.



Your support can play an important role in helping the public better understand what chemistry is and how it relates to everything that is around us. For NCW products and more information, visit the NCW website and ACS Online Store at www.chemistry.org/ncw; write Office of Community Activities, American Chemical Society, 1155 Sixteenth Street, NW, Washington, DC 20036 or telephone 1-800-227-5558, ext. 6097. Plan to participate, celebrate, and educate!

How Many Elements do You Know?

Everything is made of substances we call elements. Take this quiz to see how many of the elements you know about. Choose answers to the following questions from the list of elements below.

What element.....

1. has the same name as a U.S. coin?
2. is a metal and is found in blood?
3. is an important mineral found in milk?
4. is needed in order for something to burn?
5. is used in glowing signs?
6. makes balloons float?
7. is found in toothpaste to help prevent cavities?
8. is used to make airplanes?
9. helps to purify water in swimming pools?
10. is used to make jewelry?

Oxygen	Neon
Helium	Chlorine
Platinum	Fluorine
Aluminum	Iron
Calcium	Nickel

