



THE FILTER PRESS

Newsletter of the Georgia Section of the American Chemical Society

Volume 12, Number 1

January, 2002

Renewing Chemistry in the 21st Century

Dr. James Ferris, President

Institute of Paper Science and Technology

In the first half of the 20th century, Georgia chemist Charles Herty transformed the economy of the south by applying science, passion, persistence, and the art of public persuasion to demonstrate that newsprint could be made from pine trees. In doing so, he began an economic revolution throughout the southern states and created a primary economic engine for the state of Georgia. Today, as we enter into the 21st century, this economic pillar is under attack by lower cost wood and paper products from subtropical regions of the world. To meet this challenge, our scientific community must employ passion, persistence, public persuasiveness, and a new generation of chemistry and biotechnology to insure our forest industry remains competitive and to preserve the grand legacy of Charles Herty.

James L. Ferris is President of the Institute of Paper Science and Technology (IPST) in Atlanta, Georgia. IPST is located on the campus of, and has an Alliance with, the Georgia Institute of Technology.

Dr. Ferris earned a B.S. degree in chemical engineering in 1966 from the University of Washington, Seattle and his M.S. (1969) and PhD (1974) degrees from the Institute of Paper Chemistry, Appleton Wisconsin. The Institute of Paper Chemistry moved from Appleton to Atlanta in 1989 and became the Institute of Paper Science and Technology at that time. Dr. Ferris is the first alumni of the school to become its president.

Dr. Ferris began working as a Project Engineer at the Weyerhaeuser Company in the Everett Kraft Mill before completing his undergraduate degree. He left Weyerhaeuser in 1967 to return to school for his graduate work.

Dr. Ferris then returned to Weyerhaeuser after completing his doctorate. He held various technical managerial titles during his 21 year career with this company beginning as Division Bleaching Scientist, and subsequently holding the positions of Technical Service Manager, Research and Development Manager, Director of Fiber Products Research and Development, Manufacturing Manager/Quality Director of the Pulp Division, and Vice President of Research and Development. He then accepted his current position in 1996 as President of the Institute of Paper Science and Technology.

Dr. Ferris is currently a Director of Albany International Corporation, a Trustee of the Georgia Tech Research Corporation, and a Director of the Atlanta Regional Consortium for Higher Education. He is a past Director of the Technical Association of the Pulp and Paper Industry [TAPPI].

A graduate of the Naval Officer Candidate School in Newport, RI, Dr. Ferris served as a line officer on destroyers in the western pacific from 1970/1972.

Tuesday, January 29, 2002 at the Wyndham Midtown Hotel, Atlanta



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Georgia Institute of Technology

Susan Hornbuckle
Clayton State College

Tom Netzel
Georgia State University

Officers of the Local Georgia ACS

The following slate of officers for this year with expiration of their term in office in parentheses is shown below:

Brian Fowler, Chair (2002)	Lissa Dulany (2002)
Joe Stoner, Chair-Elect (2002)	Bill McGonigal (2002)
Kathy Seley, Past Chair (2002)	Lihong D'Angelo (2002)
Holly Davis, Treasurer (2002)	David Collard (2003)
Lucian Lucia, Secretary (2002)	Tom Netzel (2003)
Don Hicks (2003)	Theresa Chamblee (2002)

Since our current Treasurer is stepping down this year, Holly Davis of Coca Cola has come forward as a candidate. According to our Section By-Laws (and as supported by the Constitution of ACS National), we are not required to have a general election with only one candidate; therefore, Holly will become our new Treasurer at the beginning of next year. We ask that all interested parties who wish to serve our Section, please come forward next year and contact either Brian Fowler or Joe Stoner for more information. We are always looking for new blood and fresh talent!

Advertise employment positions (temporary or permanent), goods, services, etc. in the Filter Press! Prices for advertisements per issue are:

Full Page	7" x 10"	\$200
Half Page	7" x 5"	\$150
Quarter page	3 1/2" x 5"	\$100
Eighth page	3 1/2" x 2 1/2"	\$50

*There is a 10% discount for 4 or more issues.

Send camera-ready copy of the advertisement to the address below or by email to agabriel@spsu.edu. Indicate the number of months it should run as well as the size.

Alan Gabrielli
School of Arts and Sciences
Southern Polytechnic State University
1100 South Marietta Parkway
Marietta GA 30060-2896
(770)528-7464 FAX: (770)528-5510

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Postmaster: Send address changes to Brian Fowler, 3466 Irwin Bridge Rd., Conyers, GA 30012

Renewing Chemistry in the 21st Century

**Dr. James Ferris,
President – Institute of Paper Science and Technology**

*Wyndham Midtown Hotel
Atlanta, GA*

Date: Tuesday, January 29, 2002

Time: 6:30 - 7:00 p.m. Arrive
7:00- 8:00 p.m. Dinner
8:00- 9:00 p.m. Program

Dinner: Fresh Garden Salad with choice of dressing, Dinner rolls
Choice of Entrée: Chicken Dijonnaise – sauteed with white wine and Dijon mustard sauce with rice pilaf and fresh seasonal vegetables or
Pork Medallions – complimented with caramelized bourbon apples and garlic cheese grits or
Grilled Salmon –seasoned with a whole grain mustard sauce, over a bed of fresh seasoned vegetables, Dessert: Cheesecake with Chocolate and Raspberry Sauce Freshly Brewed Iced Tea, Water and Coffee

Location: Wyndham Midtown Atlanta
125 10th street, NE
Atlanta, GA
404-873-4800

Directions: Exit I-75/85 connector at the Techwood/10th/14th exit, go east on 10th Street to Peachtree, go through the light on Peachtree and it is on your immediate right.

Cost: \$25.00 per person, full-time students with ID and high school teachers, \$20.00 Payment should be made to the ACS Georgia Section and will be collected at the door.

RSVP: Brian Fowler, Bridgestar Inc. 770-602-4222, bstar1@bellsouth.net
When making reservations, please state your name, professional affiliation, and telephone number. Reservation deadline is 5:00 PM on Friday January 25, 2002. If you make a dinner reservation but fail to attend, you must still make payment for your meal.



2002 Georgia Section Meetings:

February 21, 2002

Plutonium, An Element for All Seasons
Gregory Choppin

March

Careers in Chemistry Meeting

April

Science Play Competition

May

2002 Herty Award

January Chair's Message

Greetings and Happy New Year! Growing up, it always seemed that the holidays took forever to arrive. Now it seems we barely have time to blink before they disappear...

I hope everyone had a chance to eat a little, celebrate a little with family and friends, and reflect a little on what is important to them personally in this changing world.

We are working hard to make 2002 a great year in our Georgia Local Section!

To begin, we have a not-to-be missed talk by Dr. James Ferris – President of the Institute of Paper Science and Technology on Renewing Our Commitment to Chemistry in the 21st Century. Dr. Ferris honored Charles Herty at the dedication of his Savannah laboratory as a National Chemistry Historic Site and he speaks passionately about meeting the challenges of the modern day paper industry. Several of our other meetings will feature national ACS speakers on a variety of interesting subjects.

We have a Careers in Chemistry meeting in March, which will give a big boost to students graduating and entering the job market for the first time, as well as to anyone facing a job decision in this volatile marketplace. For something new, we are hosting a Science Play Competition for high school students as our April meeting. The students will write their own one act play about a notable scientist or discovery and present their creation to our section. Another exciting area we have been working in is our tie-in with government at the state and national level. The October meeting will feature a COLGA Roundtable with some of our area political representatives.

Our effort to establish a large email database of our members is continuing, so be sure to join your fellow members who have already elected to be on our distribution list by sending your name and email address to me at bstar1@bellsouth.net. We welcome in our new officers and new volunteers and as always welcome your participation in making our local ACS

successful. If you would like to get further involved in the fun, just let any of us know and I'm sure we can put you to work and increase your fun at the same time.

Best wishes and I hope to see many of you in 2002!

Brian

April Play Competition

The Georgia Section is hosting a play competition for any high schools that are interested in participating. The students will write a one-act play of no more than 2000 words on a notable scientist or scientific discovery. In March, a committee will review all entries and then pick three to present at our April meeting.

Awards will be presented to the groups based on the vote of our members. Sign up is open now, so if you are a high school teacher interested in having your group participate, please call Brian Fowler at 770-602-4222 or email at bstar1@bellsouth.net and for the details.

HELP! HELP! ON GEORGIA SECTION HISTORY!

We are trying to collect a file of Filter Press issues as far back as possible. We have several issues each year between 1969 and 1989 and from 1995 to the present. We need any issues you might have, but especially 1989 issues through 1996 and prior to 1970. If you have any of these issues, or know of anyone or a department that might have these issues, please email Don Hicks at address: dojowh@aol.com or write to him at 6235 Rivercliff Drive, Atlanta, 30328, or contact another officer of the Section. We will return them after making copies. We are also sending this notice to other ACS Sections in Georgia and asking for their help since many of their members were formerly members of the Georgia Section. The officers appreciate your help in this effort.

Councilor Report Fall 2001—Don Hicks

Only 3 days were spent at the Fall ACS meeting in Chicago due to family vacation travels. About 40 % of my time there was at a CPRC Council Committee meeting, 40 % at the Council meeting, and the rest at other committee meetings or functions.

Council actions included (1) electing some members of the Committee on Committees (now more than 50 % female), the Council Policy Committee, and the Committee on Nominations and Elections; (2) approving a minor change in meeting registration categories so that all ACS members pay the same registration fee regardless of worldwide geographical residence; (3) approved a change in By-Laws clarifying membership requirements for chemical technicians; and (4) postponed voting until the Orlando meeting in 2002 on a petition to increase the size of the “society committees” (i.e. the two committees on Budget and Finance and Education).

As usual, Council heard reports from several officers plus many Board and Council committees. A few selected notes from all this includes the fact that ACS income dropped a bit due to poorer investment income. But publications income and less than expected capital spending cushioned this somewhat. 400 colleges now use CAS SciFinder Scholar internet searching versus only 120 last year. The ACS website, chemistry.org, has just started a new 2nd version with many improvements (some strongly suggested by my CPRC committee). A new “EZ local section report” system is operating and plans call for developing ways for “chemistry.org” to help local sections *develop first-rate websites that are easy to maintain and keep current* without having to learn authoring software! Results were presented on an email poll, sent to 90,000 members since the spring meeting, were presented by Dr. Judy Giordan (task force chair). 8000 responses came back from the 80,000 email addresses that were still current. Some results are on web at <http://chemistry.org/presidentialpoll>. Science literacy and quality chemical education, funding, and public image were the top 3 issues rated most important for ACS to consider, but many

of these same people were unfamiliar with ACS programs designed to address these issues. 51 % of respondents said they were “extremely” or “very” satisfied with their membership.

A report of ChemCensus 2000 showed that more than half of chemistry degrees in last 2-4 years went to women! Which makes me wonder if we will soon need a Council Committee on Men Chemists? The ACS Board of Directors approved a plan put forth by the Presidential-Board Task Force on Women In the chemical Professions. In the new 2001-2003 ACS Strategic Plan (which you ought to read!), three of the 10 strategic thrusts of action are specific benefit to industrial members.....namely to provide programs/activities to help career development, improve services to industrial members, and improve public appreciation of the contributions of chemistry and the chemical industry that benefit society. There were 1322 jobs for 1100 job seekers at the Chicago meeting employment center. national meeting fees for 2002 were set at \$265. 15300 was the attendance at the Chicago meeting where 6089 papers were presented.

At the CPRC committee meeting we learned that the National Historic Chemical Landmark brochures *and* the part of the chemistry.org website dealing with the historic landmarks had received a 2001 national award from the American Graphic Design Awards Competition. Also, some new types of pre-taped radio packages have been developed. Three large print advertisements were developed by ACS and appeared in The New York Times, Science Magazine, and the Chronicle of Higher Education between August 17 and Sept. 10.

They were in the form of a toast to “chemistry” with one going like this: “Here’s to the purity of water, the sweetness of corn, the stretch of a sock, the luster of red lipstick, the strength of asphalt, the sizzle of a steak, the healing power of medicine, the shine on a window, and the stuff of dreams! Here’s

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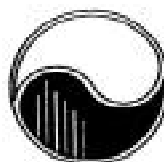
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to chemistry, the science of matter....science that matters.” Overlaid on a time-stop photograph of a drop of water falling on a pool of water, with mention at bottom of ACS 125th anniversary, number of members and world’s largest scientific society, and directing the reader to the website. National Chemistry Week in 2002 will have the theme “Chemistry Keeps Us Clean” and NCW will occur in 4th week of October in the future. NCW originated with the Council Committee on Public Relations & Communications (CPRC) on which I serve. Reagent Chemicals (9th edition) is available for purchase now on the web as the first ACS web-based book. Minority Affairs committee announced that 1000 scholars have been in the ACS Scholars program in its first 6 years with 363 graduating. All ACS print journals are supposed to have back issues available on line by sometime 2002. An updated version of the book “What Every Chemist Should Know About Patents” is now on the web. The Professional Training Committee announced that the ACS Certified B.S. degree program is considered to be a model by all scientific societies. The treasurer’s office announced that by 11/6/01 some 50,000 would be available in 2001 to aid local sections and 100,000 available to aid divisions.

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GA ACS COLGA NOTES

Joe Stoner

The Section's Committee on Legislative and Government Affairs (COLGA), chaired by Tom Netzel, is working to develop relationships with legislators who represent members of our section. Tom has asked me to develop the relationship with Representative John Lewis, who represents the Fifth Congressional District, covering essentially the City of Atlanta. Congressman Lewis is a highly regarded legislator, serving the Fifth District for many years. A member of the Democratic leadership team in the House, he has broad influence within the legislative process.

In order to begin to develop our relationship more fully, I scheduled a meeting with George Duesenbury, who is a Special Assistant to the Congressman in the Atlanta office. He said that the Congressman was supportive of our philosophical positions with respect to funding of research and development and funding of education initiatives. He encouraged us to build relationships with the Congressman's staff in Washington, in particular Eric Mitchell, who covers environmental issues, and Tammy Boyd, who covers education and health issues. He suggested that phone calls are most effective, but that letters are effective as well. Traditionally letters are more effective than e-mail, but with recent events, e-mail is getting more attention. He felt that Representative Lewis would be very supportive of our issues, but he suggested that we develop a relationship with a Republican Congressman as well, who could be more influential in developing legislation in a Republican controlled House. He suggested that Congressman Lewis would like to visit with us at one of our meetings and that we should address an invitation to him by letter to the Atlanta office.

I was encouraged by the accessibility of the Congressman's staff and look forward to working with them on legislative issues.

HERTY AWARD NOMINATIONS SOUGHT

The Georgia Section of the ACS is soliciting nominations for the year 2002 Charles Holmes Herty Medal, which is presented annually to recognize the work and service of an outstanding chemist from the Southeastern section of the country. The award recipient is honored at a ceremony in late spring at the GA ACS section, and a gold medal (designed to commemorate the work of Herty) is awarded.

Nominees may come from academic, government, or industrial laboratories, and must have been doing research in the southeastern region for more than 10 years. The deadline for submission of nominations for the 2002 award is March 15, 2002. Please send all nominations with at least two supporting letters to:

Dr. Lihong D'Angelo
Chair of the Herty Award Committee
TEC415, The Coca-Cola Company
P.O. Box 1734
Atlanta, GA, 30301
ldangelo@na.ko.com
(404)676-8920.

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