



The Fibril Angle

Fall 2003 Newsletter

**Cellulose and Renewable Materials Division,
American Chemical Society**

<http://membership.acs.org/C/CELL/>

Cellulose and Renewable Materials

Program Chair: Paul Gatenholm

pg@pol.chalmers.se

227th national ACS meeting

Anaheim, CA, March 28 - April 1, 2004

Anselm Payen Award Honoring D. Delmer, Biosynthesis of Cellulose, C.Haigler North Carolina State University, Dept. of Crop Science, 2207 Williams Hall, Campus Box 7620 Raleigh, NC 27695, candace.haigler@ttu.edu, R. Blanton, North Carolina State University, Dept. of Botany, 2214 Gardner Hall, Campus Box 7612, Raleigh, NC 27695 larry.blanton@ncsu.edu

Bacterial Cellulose: Preparation, Properties and Applications, Malcolm Brown, Molecular Genetics and Microbiology, University of Texas, 78712 Austin, TX, USA, phone 5124713364, fax 5124713573, rmbrown@mail.utexas.edu, T.Kondo, Kyushu University, Japan, phone 81926422997, fax 8192643078 tekondo@agr.kyushu-u.ac.jp

Feedstocks for the Future: Renewables for the Production of Chemicals and Materials, J. Bozell, NREL, joe.bozell@nrel.gov, Martin Patel, University of Utrecht, The Netherlands, phone +31302537634, m.patel@chem.uu.nl

Production and Utilization of Microbial Polymers, D. Solaiman USDA, dsolaiman@errc.ars.usda.gov, W. Marmer, USDA, wmarmer@errc.ars.usda.gov, D. Kaplan, Tufts University, david.kaplan@tufts.edu, (Cosponsor BIOT)

Laboratory Automation for Improved Catalysts Enabling Economic Biomass Conversion, Stephen Decker, NREL, phone 3033847759, steve.decker@nrel.gov, Michael Himmel NREL, phone 3033847756, mike.himmel@nrel.gov, Michael Lamsa (Novozymes Biotech)

Fibers for structural materials, J. Cardamone jcardamone@errc.ars.usda.gov, S. Murphy Rayonier, Phone 912 588 8118 Fax: 912 588 8300, sheila.murphy@rayonier.com, S. Eichhorn UMIST, UK, Stephen.j.eichhorn@umist.ac.uk

Inspired by Nature. From Biosynthesis to Advanced Renewable Materials

Poster Session, P. Gatenholm, Chalmers University, Sweden, phone: +46317723407, fax: +46317723418, pg@pol.chalmers.se

SCIMIX, P. Gatenholm, Chalmers University, Sweden, phone: +46317723407, fax: +46317723418, pg@pol.chalmers.se

From the Desk of the Chair

There is something about the chill of an early morning in fall that seems to trigger an involuntary response in us; maybe it's the primeval instinct to store up provisions for the coming winter. In any case, the already healthy pace of activity in your Division has certainly picked up as fall has arrived.

We're happy to announce that Professor Wolfgang Glasser has joined the Executive Committee as our new Nominations Chair. Professor Glasser succeeds Professor Robert St. John Manley, who performed the duties of this office for many years with his characteristic flair and diligence; we thank him for all the good work. The Nominations Committee that he leads is composed, according to our by-Laws, of four members; himself, the Chair (yours truly), the Chair-Elect (Paul Gatenholm), and a member () appointed by Professor Glasser in consultation with the Chair. That committee leapt into action and came up with the slate of nominees that you will find in the attached election ballot. They will also be working to develop the future leadership of the Division; you can find their charter on the new CELL website, described elsewhere in this newsletter.

Our new Awards Chair, Steve Kelley, has been quite active and successful in recruiting high quality nominations for both the Payen Award and the Graduate Student award. You are encouraged to nominate a qualified candidate for one of the division awards; the Division Fellow award in particular will be awarded in the fall of 2004, so there is still time to submit a nomination for this cycle. Nomination form and instructions have been ably updated (for this and other awards) by Awards Co-chair, Professor William Winter (thanks Bill!) and may also be found on the CELL website.

Our Treasurer, Jan Cardamone, has done a wonderful job of protecting the principal of our Division through the financial straights of the last several years. We have actually grown our principal in the face of poor interest rates and stock market downturns, a remarkable performance. Now a task force composed of herself, Bill Marmer, and Steve Kelley have recommended an adjustment to our investments to reduce an operational money market account that had grown beyond our operational needs, and place that money in a higher return mixed bond/stock fund. This motion has been approved by your Executive Committee and we hope will lead to even more ability in future to fund initiatives.

Speaking of which, our programming is healthier than ever under the leadership of Program Chair and Chair-Elect Paul Gatenholm. Take a look elsewhere in the newsletter at the advance programs for Anaheim and Philadelphia next year. The symposia promise to be fascinating, there are a lot of them, and they fully support the Division's efforts to broaden our scope. And there are other exciting programming events in store for those and future meetings – stay tuned! All in all, CELL sessions will be a very exciting place to be in 2004!

From the Desk of the Chair

We must also note an unhappy event this year. Due to a regular adjustment in the ACS formula for calculating the number of councilors that each division and local section may elect, and to the decline in CELL membership for the last several years that new Membership Chair Tim Rials noted in the last newsletter, we are losing a councilor seat next year. The most equitable way to decide which councilor we would lose (we had two, and will now



have one going forward until our membership increases) was to have the next councilor and alternate councilor (we lose an alternate too) up for election, not stand for re-election. Therefore Councilor John Blackwell and Alternate Councilor Noelle Bertoniere will no longer be serving in those roles after 2003. We will miss their hard work, guidance, and insight in Council and for the Division in those councilor roles. It would be hard to overestimate the positive influence that both have had on CELL, and I'd like to give them my warmest personal thanks for all that they have done not only for the Division but to help and advise me.

Kevin Edgar

Eastman Chemical Company

Councilor Report

The Council of the ACS includes Divisions and Local Section representatives, elected by the membership, who help the Board of Directors and the President of the ACS in the management of activities of the Society. This is accomplished through participation in several committees of the Board, the President, or both. As your councilor, I serve in the Meetings and Expositions Committee, on the Special Task force on the Meeting Finances, and on the Committee on Environmental Improvement (Associate).

Divisions contribute significantly to the two major National Meetings (Spring and Fall), which are major events. Local Sections (LS's) provide Regional ACS meetings and a number of local activities in support of a large fraction of the Society membership that does not go to National meetings (less than 20%). Local Section meetings are smaller and have not yet reached the level of the National meetings. What will the future meetings of the society be like in 20 years from now? We are considering this kind of questions in those committees. We are continuing to address cost issues of meetings and activities of the Society leadership.

So far, the ACS/Divisions/National Meetings have had an unwritten, and often unrecognized, policy of supporting the participation of students at the National meetings with minimum registration fees. This participation is essential to create the new workforce for industry, academia, and government, and thus is viewed as a society good. This unwritten policy and the society's financial investments difficulties (parallel the whole economy) have made it much more difficult to break even in National Meetings.

Councilor Report

The provision of low registration fees to students contributed to going in the red for meetings. On the positive side, Expositions at National meetings have become stronger and stronger, and they have offset some of the "losses" of National meetings. This is a very complex issue and as your Councilor, I have been trying to help the Society understand what factors contribute to a financially successful meeting (as well as technical and professional).

This gives you some background for The Petition that was presented to Council in New Orleans (after many years of debate): to increase funding for both Divisions and Local Sections. What makes meetings of both Divisions and Local Sections successful starts with an outstanding technical program. National meetings Expositions do very well after a slow start. The meetings and expositions often offset each other. How to increase the ability of the Divisions and Local Sections improve their technical quality to increase the number of attendees and the reach of the Society to our membership? While some Divisions have sponsors for symposia, many cannot bring the best of a field to these meetings for lack of travel funds. Many more students would come if the Divisions had student travel funds awards. Additional funds to Divisions and Local Sections will help increase the number of benefits of belonging to the Society.

In the final form, the Petition includes a gradual dues increase to "pay for" the money needed for the Divisions and LS's. This is because the ACS is under pressure to fund the cost of the Petition from current budgeted funds. The increase of dues up to a 4-year period was presented as temporary assessment. It is hoped that when times "get better," the money needed by this project will be a budgeted "line" item (like the unwritten policy of sponsoring students), and the dues assessment providing funding for this item can be reduced. The dues increase is a concern of many committees and members but there are many positive outcomes if the petition passes.

Helena Chum
Councilor, CELL Division

News and Highlights from the 226th ACS Meeting in New Orleans

As always, the spring national ACS meeting was a focal point for CELL's annual activities. For starters, we had an outstanding program put together by Program Chair Paul Gatenholm, his Program Committee, and the yeoman work of symposia organizers. We had nearly 140 papers presented in five separate symposia, and in an enormously successful poster session at Sci-Mix (beer, popcorn, old and new colleagues and friends, and great science – an unbeatable combination). Despite an unlucky draw from ACS that put us in a rather cramped hotel location (they PROMISE to do better in Anaheim), our speakers, symposia chairs, and attendees were undeterred. Sessions were lively and well-attended, there was plenty of corridor conversation, and the program was a complete success.

CELL at New Orleans - Polysaccharides and All That Jazz

We got some business done in New Orleans as well. Much of this is covered in other reports so won't be repeated here. Suffice it to say that we found that Treasurer Jan Cardamone had done her usual stellar job in protecting Division assets through difficult times, that our Division programs and processes are for the most part functioning well, and that plans are well on track for more outstanding programs through the next several meetings (they will no doubt remain excellent much longer than that, but our detailed program planning tends to reach out about 2 years into the future). A small task force was deputized to recommend some modest reallocations of Division accounts to reduce liquidity and maximize principal growth (our liquid assets were exceeding our short-term needs). This Task Force has since made its recommendations, the Committee has voted to approve, and they have been implemented. The Committee voted to support this past summer's Gordon Conference on the Chemistry of Polysaccharides in the amount of \$1500 (remember that CELL was the founder of this conference). Our concept for this Gordon Conference is still unique in that it rotates between North America, Europe, and Japan, in recognition of the increasingly global nature of our profession and membership. This summer's conference in Italy (chaired by CELL Program Chair Paul Gatenholm) was a success in spite of SARS, the war in Iraq, and the poor global economic situation.



As always, we shared the results of the Executive Committee meeting and of the Program Committee planning at the open Business and Program meeting on Monday evening right after the last technical session. Many good ideas for programs and organizers were offered by our members in attendance (a good crowd this time in spite of the location). Though it has been mentioned elsewhere, it bears repeating that our annual awards dinner at the Plimssoll Club high over New Orleans was a truly memorable affair. Our heartfelt thanks to Noelie Bertoniere; many contributed ably to the arrangements, but it truly could not have happened without Noelie's hard work. Payen Awardee Dr. Manley, and the other awardees enjoyed a beautiful night; be sure to join us in Anaheim for another wonderful CELL awards dinner.



Finally, one of the most important events was a Strategic Planning Workshop facilitated by Jon Hockman and involving your Executive Committee in addition to several newer members of the Division. We emerged with new resolve to focus our membership, awards, programming, publicity, and other activities to drive our Division towards our vision:

CELL is the global leader in the chemical science and technology of renewable materials and biopolymers.

We are making progress towards that vision; you will see that in improved programming this year, in better communications with our members such as more frequent newsletters like this one, and our excellent new website that you will hear about elsewhere in this issue, as well as exciting activities around awards and membership that you will be learning about soon. It was an appropriately spicy and upbeat week in New Orleans for CELL!



Graduate Student Award

During the dinner, the Graduate Student Award, sponsored by the Division of Cellulose and Renewable Materials and Eastman Chemical Company was presented to Richard Chandra, who completed his doctoral work in 2003 at IPST under the direction of Art Ragauskas. Richard presented an oral presentation at the national meeting entitled "Invigorating high-kraft pulps with laccase". Dr. Chandra is currently a post doctoral fellow at the University of British Columbia.

Congratulations Richard!



News and Highlights from the 226th ACS Meeting in New Orleans

Banquet and Reception



News and Highlights from the 226th ACS Meeting in New Orleans

2002 Anselme Payen Awardee



It was also announced that the 2002 Anselme Payen awardee will be R. St. John Manley, Paprican Adjunct Professor, Department of Chemistry at McGill University. St. John Manley earned a B.Sc. degree with honours in Chemistry at McGill University in Montreal, Canada. He obtained his Ph.D. in Physical Chemistry at the same University. His Ph.D. thesis research was carried out under the supervision of Professor S.G. Mason and dealt with the motions and interactions of model particles in suspensions subjected to shear flow.

After receiving his Ph.D. degree, Dr. Manley was the recipient of a NRC Overseas Postdoctoral Fellowship, which was used for further studies at the Institute of Physical Chemistry, University of Uppsala, Sweden. During this period he undertook extensive studies of the solution properties of polymer under the supervision of Professor Stig Claesson. For this work he was awarded the D.Sc. degree in Physical Chemistry.

Returning to Canada he accepted a position as research scientist at the Pulp and Paper Research Institute on the McGill campus. A few years later he was appointed Research Associate in the Department of Chemistry at McGill, and subsequently he became Paprican Adjunct Professor in the Department. He has supervised the work of many Postdoctoral Fellows and Visiting Scientists, and directed the Thesis research of many graduate students.

Professor Manley is a leading figure in the field of Cellulose Chemistry in Canada. He is also well known internationally for his wide-ranging studies of crystallization phenomena, morphology and phase behavior in synthetic polymer systems. His career has been distinguished by pioneering contributions which have deepened the understanding of several aspects of polymer science, notably; the properties of cellulose and its derivatives in solution and in the solid state, the kinetics and mechanism of polymer crystallization, the morphology of nascent polyolefins, chain extension and alignment during ultradrawing and in extensional flow systems, and finally binary blends of crystalline polymers and blends of cellulose with synthetic polymers.

Professor Manley has served on the Editorial Advisory Board of the ACS journal *Macromolecules* (1982-1984) and the *Journal of Macromolecular Science (Physics)*. He is a member of the Chemical Institute of Canada, The American Association for the Advancement of Science and the American Physical Society. He is a Fellow of the American Physical Society and a Fellow of the Chemical Institute of Canada.



News and Highlights from the 226th ACS Meeting in New Orleans

2002 Anselme Payen Awardee

Thanks to the hospitality of our friends in New Orleans, the magnificent Plimsol Club at the top of the World Trade Building in New Orleans was the site of the Anselme Payen Award dinner. About 75 division members including many Paprican colleagues and friends were on hand for the Sunset Reception overlooking the Mississippi. Jim Manley and his wife were on hand to receive the well-deserved congratulations for Jim's long-standing service and participation in the Divisional activities over the past years. After the usual handing out of awards and recognitions for service to the Division, hosted by Kevin Edgar, the master of ceremony: Derek Gray took over the festivities.



The usual roasting by well-known experts such as Jim Blackwell and Bob Marchessault was followed by humorous and serious presentations from Yoshiyuki Nishio and Peter Zugenmaier. All of the remarks were based on the long standing friendship, professional relation and esteem between Jim and the roasters. Derek Gray, a long-standing colleague at the Pulp & Paper Research Centre on the McGill campus emphasized the continuity of Jim's contributions to the Division and the universality of his thinking in terms of polymer science relating to cellulose. Some sport was also made of how "Rockcliffe St. John" metamorphosed into "Jim".

Jim's closing remarks were along the lines of "how good can it get" spoken in a thankful recognition to the colleagues who were on hand for this enjoyable climax to the annual APA festivities.

Robert H. Marchessault



Nominations for CELL Division Awards

ANSELME PAYEN AWARD

Cash Award: \$3,000

Application Deadline: December 1

Award Announcement: Following Spring National ACS Meeting

Award Presentation: Next Spring National ACS Meeting

This award is named for the distinguished French scientist who discovered cellulose, and pioneered in the chemistry of both cellulose and lignin. The Anselme Payen Award, which includes a bronze medal and an honorarium of \$3,000, is given by the Cellulose and Renewable Materials, ACS, to honor and encourage outstanding professional contributions to the science and chemical technology of cellulose and its allied products.

The Anselme Payen Award is international and all scientists conducting research in the field of cellulose are eligible for nomination. Selection of the awardee is based on the application package. These are individually ranked by a panel of nine judges who are appointed by the current Chair-Elect and are unknown to each other. Three judges rotate off the panel each year. The identity of all members is known only to the Chair of the awards committee who compiles the results. After the awardee accepts, the Chair of the Awards Committee announces the winner at the next Spring ACS meeting. The awardee for that year is honored at the following Spring ACS meeting at a Symposium and Banquet. The award bears the year the winner was announced. It is presented the following year to allow time for organization of the Symposium and Banquet.

DIVISION FELLOW AWARD

In 1983 the Division established the Division Fellow Award to recognize its members whose dedication, leadership and enthusiastic service has kept the Cellulose and Renewable Materials Division moving forward.

Selection of Awardees

In October following the fall ACS meeting, the Awards Chair solicits nominations for the Division Fellow Award from current members of the Executive Committee and from any past officers. Nominations are sent to the Awards Chair by December 1. The Awards Chair selects 3 to 5 judges who make up the Division Fellow Award Committee. The judges rank the nominees. The judges will also indicate the number of awards that should be given with a maximum of three awards being possible in a single year. The Program Chair announces the name(s) of Division Fellows at the Spring ACS meeting with the Award(s) to be given at the following Fall ACS meeting. The Fellows are presented with plaques.

Nominations for CELL Division Awards

GRADUATE STUDENT AWARD

An annual award cosponsored by the Cellulose and Renewable Materials Division of the American Chemical Society and Eastman Chemical Company.

WHO IS ELIGIBLE?

Any graduate student studying the chemical nature of cellulose, paper, textiles and other renewable materials. This includes, but is not limited to, study of the biosynthesis of biomass components and natural fibers, novel chemical routes for separating biomass into its constituent components, innovative processes for converting biomass, its individual components, or natural fibers into value-added products, and the development of new analytical techniques for characterizing the chemical properties of these materials. The competition is open to any graduate students currently enrolled or have graduated with the past year.

HOW DO I APPLY?

The Application package consists of the following: A cover letter stating the applicant's personal information i.e. full name, address, daytime telephone number, fax number, e-mail address and social security number. As well as, the title of research activity, graduate school attended, research supervisor's name and research committee members' names. A paper suitable for publication that represents the applicant's most significant graduate research accomplishment. The applicant must be the principal author of this paper. A summary document describing the applicant's research contributions and defining how that work fits into the current state-of-the-art (3-5 pages). A letter signed by the applicant's research supervisor and verifying that the student meets the requirements of the Graduate Student Award.

THE SELECTION PROCESS

All applications must be complete by October 1 and the Recipient will be notified by December 1. Selection of an awardee will be based upon the information included in the application package.

THE AWARD

The Graduate Student Award for Excellence in Cellulose or Renewable Materials Research consists of a check for \$2,000 and an individual plaque honoring their accomplishment. The recipient will be invited to attend the following Spring ACS meeting and deliver an oral presentation describing their work.

Submit the completed application package to:

Dr. Stephen S. Kelley
National Bioenergy Center
National Renewable Energy Laboratory
1617 Cole Boulevard
Golden, CO 80401
Phone: (303) 384-6123
FAX: (303) 384-6363
E-mail: steve_kelley@nrel.gov

Membership Special Offers

The **Cellulose and Renewable Materials Division of the American Chemical Association** and the scientific journal *Holzforschung* are pleased to announce a new cooperation. Beginning in 2004, members of ACS-Cell will receive deeply discounted membership prices on the print and on-line versions of *Holzforschung*.

Holzforschung is an international scholarly journal, led by the editors Horst Nimz and Oskar Faix, that publishes cutting-edge research on the biology, chemistry, physics and technology of wood and wood components. Rated year after year as the number one scientific journal in the category of Pulp and Paper (ISI Journal Citation Index), *Holzforschung* represents innovative, high quality basic and applied research. The German title reflects the journal's origins in a long scientific tradition, but all articles are published in English to stimulate and promote understanding between experts all over the world.



For more information on the journal and a free electronic issue, visit our website at: <http://www.degruyter.de/journals/holz>. ACS-Cell will keep you updated on how to order your membership subscription. Should you have any further questions, please contact the *Holzforschung* Editorial Office at Editorial.Office@degruyter.de. We look forward to a productive cooperation between our two organizations!

The **Cellulose and Renewable Materials Division of the American Chemical Association** has an arrangement with the scientific journal *Cellulose* (Kluwer Academic Press, www.wkap.com) which allows members of the Cell Division to enter personal (*i.e.* non-institutional) subscriptions to the journal at the much-discounted rate of \$65 per year (2003-rate). By subscribing to *Cellulose* in 2003, Cellulose Division members will have an opportunity to gain first-hand information about the most recent advances in cellulose and polymer chemistry and ultrastructure.





American Chemical Society Application for Membership

Name: _____
Professional Affiliation: _____
Address: _____
City: _____ State: _____
Country: _____ Zip: _____
Phone (including area code): _____
Fax (including area code): _____
E-mail Address: _____

I am a member of the American Chemical Society.

My ACS membership number is:

I want to join the American Chemical Society.

Full Division Membership (Requires ACS membership): \$10.00/year.

Affiliate Membership (Does not require ACS membership): \$11.00/year.

National Affiliate (Doesn't qualify for membership, but major vocational interest is related to a chemical science)

Division affiliate (Neither a member of ACS nor a National Affiliate)

Associate Member (Completed a degree not certified by ACS, and lacking 3 years working experience)

Student Membership (Requires student membership in ACS): free

Emeritus Member (At least 35 years of paid membership, retired from full-time professional employment, over age 70): free

Please return this application along with a check for membership dues to:

Dr. Timothy G. Rials
University of Tennessee
Department of Forestry, Wildlife, & Fisheries
2506 Jacob Dr.
Knoxville, TN 37996-4570

Please make checks payable to: Cellulose, Paper and Textile Division, ACS.

Programming

Dear Colleagues!

Welcome to new program of our renewed Division! My ambition as Program Chair for 2004-2006 is to: 1) increase number of Symposia and focus in strategically important areas, 2) link symposia together so they appear as larger program for each ACS meeting, 3) organize Symposia twice a year (spring and fall), 4) increase interactions with other Divisions and other organizations by co-organizing and cosponsoring Symposia 5) participate in selected ACS Regional Meetings, 6) reintroduce tutorials on



Sundays and connect them to current program 7) introduce poster session on Sunday (just after Sunday Tutorials) for graduate students and young scientists combined with social activity. This very ambitious program will hopefully result in increased visibility of Division and increased membership. I aim to closely collaborate with Division Chair, Publicity Chair and Membership Chair to accomplish this. I am also looking forward to active participation of all Division members in all coming activities, as symposia organizers, sponsors, speakers, poster presenters and listeners. Welcome!

Paul Gatenholm
Program Chair

Proposed Future Program

Philadelphia, August 22-26, 2004

Preparative and Degradative Methods in Wood Chemistry, John Kadla, The University of British Columbia, 4034-2424 Main Mall, Vancouver, BC, kadla@interchange.ubc.ca, Tel. 604-827-5254, Fax. 604-822-9104 Dimitris Argyropoulos, Department of Wood and Paper Science, North Carolina State University, Raleigh, NC, 27695-8005, dimitris.argyropoulos@ncsu.edu, Tel. 919 515-7708, Fax 919 515-6302,

Modeling and Theoretical Aspects of Lignocellulosics, Tom Elder, Auburn; Al French Renewable Materials, W. Marmor USDA, Chi Chung Lee USDA

Green Plastics, Graham Swift GrahamGswift@aol.com, Organized by Division of Industrial & Engineering Chemistry (I&EC)

Genomics and Proteomics for the Chemical, Pharmaceutical and Food Industries, John Kozarich, johnk@activx.com, ActivX Biosciences, 11025 North Torrey Pines Road, La Jolla, CA 92067, Tel 858 526-2502, Organized by Biotechnology Secretariat (BTEC)

Polysaccharides in Drug Delivery and other Pharmaceutical Applications, François Ravenelle, fravenelle@labopharm.com, Labopharm Inc. 480 Blvd Armand-Frappier, Laval (Québec), H7V 4B4 Tel.: (450) 680-3215 Fax.: (450) 687-1181, (cosponsor MACRO)

Proposed Future Program

Philadelphia, August 22-26, 2004

Polymers in Pharmacy, J.Long, john.long@dsm.com, DSM Copolymer, Tel. 330 244-9680, Fax. 330 244-9684, Organized by MACRO

Novel Analytical Tools for Characterization of Polysaccharides, C. Buchanan buck@eastman.com, Eastman Chemical Company, Phone: 423.229.8562, Fax: 423.229.4558, W. Winter wtwinter@syrr.edu, Syracuse, P. Mischnik (cosponsor ANYL)

International Symposium on Tannins, Daneel Ferreira, National Center for Natural Products Research, School of Pharmacy, The University of Mississippi, University, MS 38677, USA, Tel (+91) 662 915 1572, Fax (+91) 662 915 7062, E-mail dferreir@olemiss.edu, Herbert Kolodziej, Institute fur Pharmazie, Pharmazeutische Biologie Freie Universitat Berlin Konigin-Luise- Str 2+4, D-14195 Berlin, Germany, kolpharm@zedat.fu-berlin.de, tel: 49 30 838 53731, fax: 49 30 838 53729, Prof Takashi Yoshida, Faculty of Pharmaceutical Sciences, Okayama University, Tsushima, Okayama 700-8530, Japan, e-mail: yoshida@pheasant.pharm.okayama-u.ac.jp, tel & fax: +81-(0)86-251-7936, Prof Augustin Scalbert, Laboratoire des Maladies Metaboliques et Micronutriments, INRA, Centre de Recherche de Clermont-Ferrand/Theix, 63122 Saint-Genes-Champanelle, France, Tel: 04 73 62 47 87 (direct), 04 73 62 42 38 (secretariat), Fax: 04 73 62 46 38, Email: scalbert@clermont.inra.fr

Surface Energy Characterization of Fibers, Fillers and Paper, Organized by D. Steven Keller, dkeller@syrr.edu, Organized by Division of Colloid and Surface Chemistry, COLL Poster Session, P. Gatenholm, Chalmers University, Sweden, phone: +46317723407, fax: +46317723418, pg@pol.chalmers.se

Other Meetings Where CELL Participates

1. Gordon Research Conference, The Chemistry of Polysaccharides, Japan, August 2005, Chair S. Kuga, Vice-Chair D. Gray
2. Honolulu, Pacificchem, December 2005
3. Gordon Research Conference, The Chemistry of Polysaccharides, 2007, Chair D. Gray

Publicity Chair

As the new publicity chair for the division, I would like to take this time to personally thank Tom Elder for the division for all his efforts over the past few years. Tom has done an exceptional job, and I hope to continue this tradition.

As the incoming publicity chair, my main mandate will be to increase the divisions (CELL) visibility, and attempt to reach a larger scientific community. As a measure of doing so, I have started by reconstructing the CELL webpage – Look and see the page has taken on a whole look!

<http://membership.acs.org/C/CELL/>

Shawn Mansfield
Publicity Chair

2003 Elections

15 November 2003

Dear Division Member,

Enclosed is the Division Ballot to elect the following CELL Division officers: Secretary for a term of 3 years, Treasurer for a term of 3 years and one member-at-large for a term of 3 years. Also included are biographies and statements of the candidates. An opportunity for write-in candidates is presented for each office.

After reviewing the candidates' qualifications, please mark the Ballot and return it for my attention to the address indicated on the ballot, *before December 2nd, 2003*.

Thank you very much for your contribution in shaping the future of the Division.

Yours Sincerely

John F. Kadla

CELL Division Secretary

BIOGRAPHIES AND STATEMENTS OF THE CANDIDATES

CANDIDATE FOR SECRETARY (3 year term)

Dr John F. Kadla

Dr. John F. Kadla is an Associate Professor of Biomaterials Chemistry in the Department of Wood Science at the University of British Columbia. His current research interests are on the utilization of wood biopolymers in fibers and composite materials and studying the interfacial phenomenon in polymer blends and composites. His group is known internationally for its contributions to our understanding of the mechanisms of oxygen- and chlorine-based reactions with lignin. These efforts have been disseminated in excess of fifty scientific papers, numerous scientific conferences and invited presentations. Professor Kadla has been a member of the executive committee of the CELL division since 1999 and he currently serves as secretary of the CELL division.

In recent years the Cellulose and Renewable Materials division (CELL) has been the source of a significant number of initiatives of benefit to most of its members. The visibility of these activities has contributed to a solid membership and increased international awareness of the status of North American research on cellulosic and lignocellulosic materials. The division plays an important role in bringing together scientists concerned with the chemistry of cellulose, wood, natural and man-made fibers, and functional products made from them. My association with the executive of the CELL division of the American Chemical Society, over the past 5 years has allowed me to learn much about the division, and I look forward to serving the Division in the future.

2003 Elections

BIOGRAPHIES AND STATEMENTS OF THE CANDIDATES

CANDIDATE FOR TREASURER (3 year term)

Dr. Jeanette Cardamone

Dr. Jeanette M. Cardamone is a Senior Scientist, Research Chemist, and Supervisor of Wool Research at the USDA ARS Eastern Regional Research Center in Wyndmoor, PA. She has served in that position since 1991 after faculty appointments at The Ohio State University and Virginia Polytechnic Institute and State University. Dr. Cardamone has been a member of the Cellulose and Renewable Materials Division since 1985. She has presented research in the Division on numerous occasions, reporting on lignin-derived finish for cotton textiles, evaluation of degradation in museum textiles, and nondestructive FTIR determination of aging in cellulosic textiles, bleaching and dyeing of wool, union dyeing of wool/cotton blended textiles with selective modification of cellulose, and the bioactivity of wool fibers. She has published her research in book chapters in ACS Advances in Chemistry Series and ACS Symposium Series. Dr. Cardamone has organized and presided over several Divisional Symposia and has co-edited an ACS Symposium Series book, published in 2000. She has presented research in numerous international symposia and has published in Textile Research Journal, Textile Chemist and Colorist, AATCC Review, and American Dyestuff Reporter.

Dr. Cardamone has served as Treasurer of the Cellulose and Renewable Materials Division for the past six years. She views this position of Treasurer as key to ensuring that resources become available to support programs and symposia organizers. The Division's Anselme Payen and Graduate Student Award have received international recognition and have been supported by accrued interest from several well-managed funds. The Treasurer consults with Division members concerning the current status of funds and is responsible for investing the Division's income, distributing its resources, tracking its accounts, maintaining its fiscal documentation and reporting the status of the accounts to ACS, the Division's membership and of course, the IRS. If elected to the position of Treasurer of the Cellulose and Renewable Materials Division, I will continue to endeavor to keep our well-organized structure for monitoring and reporting on these funds.

CANDIDATE FOR MEMBER AT LARGE (3 year term)

Dr. Deb Mohnen

Debra Mohnen is Associate Professor in the Department of Biochemistry and Molecular and at the Complex Carbohydrate Research Center (CCRC) at the University of Georgia, Athens. She received her B.A. (Magna cum laude, 1979) from Lawrence University, Appleton, WI, and an M.S. (1981) and Ph.D. (1985) from the University of Illinois, Urbana, IL based on research conducted at the Friedrich Miescher Institute, Basel, Switzerland on the molecular biology of developmentally-regulated plant glycanohydrolases. She did postdoctoral research at the Friedrich Miescher Institute, Basel, Switzerland and at the Complex Carbohydrate Research Center, University of Georgia and the USDA, ARS, Russell Research Center, Athens, Georgia.

2003 Elections

BIOGRAPHIES AND STATEMENTS OF THE CANDIDATES

CANDIDATE FOR MEMBER AT LARGE (3 year term)

Dr. Deb Mohnen

In 1990 she became Assistant Professor in the Department of Biochemistry and Molecular and at the CCRC, University of Georgia, Athens. Her research is on the biosynthesis and the plant-based and biomedical functions of the complex family of plant cell wall polysaccharides known as pectin. She publishes research papers and reviews on pectin biosynthesis and function including the frequently-cited Ridley et al., Pectins: structure, biosynthesis, and oligogalacturonide-related signaling. *Phytochemistry* (2001) 57:929-967. Her awards and service include the Stell and Charles Guttman Scholarship (1978), the University of Illinois Fellowship (1980-1981), NIH National Research Award (1987-1989), invited panelist presentations such as the University of Georgia Graduate Women's Consortium (GWC) meeting panel, Feb. 19, 2001, the "Undergraduate Research Forum" panel, July 5, 2001; and the "Women and Science" Panel October 2, 2002. She organized the ACS Symposium entitled "Plant Polysaccharides", April 1-5, 2001, San Diego and co-organized the Plant Cell Wall Biosynthesis Meeting, May 12-15, 2002, UCLA Lake Arrowhead Conference Center. She was recently elected to Chair the 2009 Plant Cell Walls Gordon Research Conference. She currently serves as invited faculty sponsor for the University of Georgia chapter of Association for Women in Science (AWIS), is a member of the University of Georgia Biomedical and Health Sciences Institute, and is an appointed member of American Chemical Society Cellulose and Renewable Materials Program Committee (2003-2005). She has given numerous invited presentations at international meetings including the 1999 Protein Club symposium "Pathway Engineering in Plants" in York, UK; the International Symposium entitled "Pectins and Pectinases 2001" in Rotterdam, Netherlands; the 2001 Chemistry of Polysaccharides Gordon Conference, and was Session Chair of the "Polysaccharide Biosynthesis" session at the 2003 Plant Cell Walls Gordon Conference. Her researching funding is from the USDA and NSF. As Co-PI on the NSF Research Coordination Network grant entitled "Plant Cell Wall Biosynthesis Research Network" she runs "CarboSource Services" an NSF-funded service to provide rare substrates for plant wall polysaccharide synthesis to the research community.

2003 Elections

CELLULOSE AND RENEWABLE MATERIALS DIVISION AMERICAN CHEMICAL SOCIETY

BALLOT FOR 2004 OFFICERS

Ballot Deadline *December 2nd, 2003*

SECRETARY (3 year term)

John Kadla

(write-in) _____

TREASURER (3-year term)

Jeanette Cardamone

(write-in) _____

MEMBER AT LARGE (3 year term)

Deb Mohnen

(write-in) _____

For signature identification purposes, please sign the Ballot envelope before returning.

Please return this Ballot **before December 20th, 2002** to:

Dr. John F. Kadla
4034-2424 Main Mall
University of British Columbia
Vancouver, B.C. Canada
V6T 1Z4