

PULP & PAPER FOUNDATION, INC. 2001 ANNUAL REPORT



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47th Annual Meeting Minutes
Past Presidents of the Foundation IBC

Faculty, Administrators & Faculty Emeritus



Dr. Hou-Min Chang Ruben B. Robertson Prof. of Pulp & Paper Science & Technology



Dr. John Kadla Associate Professor Wood & Paper Science



Dr. Martin A. Hubbe Associate Professor and Buckman Distinguished Scientist



Dr. Chen-Loung Chen Senior Research Associate Wood & Paper Science



Dr. Adrianna G. Kirkman Professor Wood & Paper Science



Dr. Medwick V. Byrd Undergraduate Coordinator

FACULTY



Dr. Richard D. Gilbert Professor Emeritus Graduate Administrator Wood & Paper Science



Dr. Joel J. Pawlak Assistant Professor Wood & Paper Science



David Ashcraft Executive In Residence and Associate Director Development

FACULTY EMERITUS



Dr. John A. Heitmann, Jr. Professor Wood & Paper Science



Dr. M. K. Ramasubramanian Associate Professor Mechanical Engineering Wood & Paper Science



Dr. Hasan Jameel Ellis-Signe Olsson Prof. Wood & Paper Science



Dr. Richard A. Venditti Associate Professor Wood & Paper Science





Dr. Larry A. Nielsen Dean: College of Natural Resources



Dr. Michael J. Kocurek Professor and Dept. Head Wood & Paper Science



Dr. Josef S. Gratzl Professor Emeritus



Robert G. Hitchings Professor Emeritus



Dr. Richard J. Thomas Professor Emeritus



Dr. Elisabeth A. Wheeler Professor Emeritus



Dr. Eric L. Ellwood Dean Emeritus



Dr. Larry W. Tombaugh Dean Emeritus

Foundation Officers and Staff

FOUNDATION OFFICERS



A. Ben Groce, Jr. President



Jim Bowen 2nd Vice President



George Worsley Asst. Treasurer



David Ashcraft Associate Director



B. Robert Harley Vice President



Kathryn S. Hart Treasurer



J. Ben Chilton Executive Director

TERMS EXPIRING 2002

Jim Bowen, VP, Paper Division, Sonoco Products Company, Hartsville, SC Michael Gasser, Chairman, Grief Brothers Corporation, Deleware, Ohio Asa D. Hardison, Group VP, Containerboard Manufacturing, Georgia-Pacific Corporation, Monticello, MS

Terry Burns, Division President, Pulp and Paper, Nalco Chemical Company, Naperville, IL

Noel G. Watson, President & CEO, Jacobs Engineering Group, Inc., Pasadena, CA

Pule Calderon, President, Durango-Georgia

TERMS EXPIRING 2003

B. Robert Harley, Director, Process & Environmental Affairs, Bowater, Inc. Dwayne H. Hinkie, Paper Machine Superintendent - Rome Mill, Inland

Paperboard & Packaging, Inc., Rome, GA

Jim Myers, VP, Pulp and Paper Mills, Williamette, Fort Mill, SC

Thomas F. Miller, Director, Strategic Accounts, Eka Chemicals, Inc., Marietta, GA

TERMS EXPIRING 2004

Tom Freeland, Senior VP, BE & K, Birmingham, AL

Fuad Abdullah, District Manager, Procter & Gamble, Albany, GA

Robert A. Feeser, President, Containerboard Division, MeadWestvaco Corporation, GA

Katherine Buckman Davis, C.E.O. Bulab Holdings, Inc., Memphis, TN

A. Ben Groce, Jr., Senior Vice President and General Manager, Boise Cascade Corp., Boise, ID

Jack Holder, Mill Manager, Packaging Corporation of America, Counce, TN John Adeimy, Director of Pulp & Paper Sales for N.A., Honeywell, Duluth, GA

TERMS EXPIRING 2005

Chris Broomhead, National Sales Manager Paper Group, BASF Corporation F. Gray Carter, Vice President, Lumberton Operations, Buckeye Technologies, Inc.

Mike Edwards, Vice President, Manufacturing, Weyerhaeuser Company Ronnie Hise, Assistant to Group VP, MeadWestvaco Corporation John Holland, President of Performance Systems, Vulcan Chemicals Jay Miele, Vice President, Sales and Technology, Andritz, Inc. L Kirk Semke

STANDING COMMITTEE CHAIRPERSONS:

Executive/Investment Committee Nominating Committee Development Committee Scholarship Committee Student Recruitment Committee

Membership Committee

Student Employment Committee Curriculum Committee Equipment & Technology Committee A. Ben Groce, Jr. Richard Phillips Katherine Buckman Davis B. Robert Harley John McClendon Phil Davis Asa D. Hardison, Chair Charlie Hodges, Co-Chair F. Gray Carter Ronald Estridge Ronnie Hise



A. Ben Groce, Jr.

The primary objectives of the Pulp and Paper Foundation are "... to develop a source of graduates with the technical and engineering skills necessary to immediately have an impact on the industry's pulp and paper operation. Both summer employment and scholarships will be provided in order to encourage the best and the brightest students to enroll in NC State's paper science program."

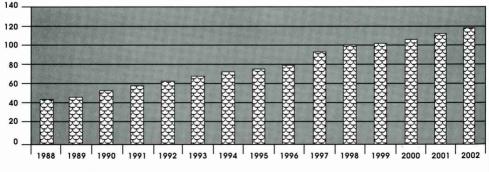
Meeting these objectives has certainly become more challenging as the industry has consolidated, paper markets matured, and global competition increased. Over the past ten years, Primary foundation members have decreased from 26 to 15, a 42% reduction. Fewer companies are recruiting on campus, summer jobs are less available, and endowed scholarships from corporate sponsors are now scarce. Most alarming is that although 85% of the graduating students found permanent placement, only 20% went to work in the traditional paper industry.

I am very pleased to report that, in spite of these adversities, the Foundation, the faculty, and the university have made tremendous progress in the areas of recruiting, supporting, and developing talent. Since 1992, endowed scholarships have gone from 60 to 115; the average GPA of entering students was 3.94 and today is 4.41; SAT scores have risen from 1180 to 1262; and the percent of scholarship recipients whose GPA is 4.0 or better has climbed from 68 to 98%. Enrollment for the past two years has been about the same even though we had a larger freshman class than in the past few years. The size of the graduating class has also remained about the same.

There is no question that our industry provides excellent longterm career opportunities for the talented graduates from the paper program. There is likewise no question that the need for these high-caliber individuals to meet the numerous challenges we face has never been more pressing. It is time for each of us, within our respective organizations, to re-emphasize the importance of hiring graduating students into key positions across the industry. Unless we do, they will no doubt find successful careers elsewhere.

Respectfully submitted,

A. Ben Groce, Jr., President



PPT Endowed Scholarship Growth

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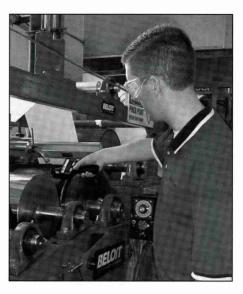
Dean's Report

Larry A. Nielsen

I knew what to say in my first message to you as dean last year—lots of nice words and high expectations for the future. What to say after having completed that first year—a year in which the economies of both the pulp and paper industry and the university suffered, and a year of renewed attention to some basic questions about life and civility?

Let me repeat a quip that was making the rounds a few years ago and may now seem trite—the Chinese symbol for "crisis" is made up of the superimposed symbols for "danger" and "opportunity." It is a rare time indeed when opportunity comes without danger, but it is also clear that winners in business and life are those who recognize both and respond to both. In our College of Natural Resources, we intend to pay attention to the danger, but to focus on the opportunity.





What are the dangers of this time for us? Complacency and caution. We have a strong tradition built on educating the entry-level professionals that will operate your mills and businesses. We have a research program that has helped create two generations of technology and product improvement. Faced with current conditions, we could be content with that success and so cautious that we refuse to grow and change. Now, however, would be the worst time for such complacency, when the industry is undergoing major changes and is eager for new answers. At this time, we need to be certain that our classrooms and our laboratories are preparing the professionals and knowledge for the future, not the past.

Which leads us to the opportunities-a subject I would much rather discuss. As we look forward to the coming decade, we will be driven by one principle and three strategies. The principle is that our college exists to help improve people's lives through their sustainable use of natural resources. Some of our faculty and friends may question whether such a principle includes them, but my sense of this principle is that it includes assuring economic prosperity, healthy environments, and stable communities. Consequently the topics that we pursue will be broad-for example, one of our most precious natural resources is time; our parks, recreation and tourism faculty help us use leisure time well for activities that enrich life and work. The sectors we address will be equally broad-for example, improving the processes and products of the paper industry will improve profitability while also improving resource efficiency and, hence, the quality of the environment,

We will use three strategies. First, we will **invest in our champions**. The best way to continue our past success is to keep

our great programs great, and to keep our most productive researchers at the peak of effectiveness. The capital of a university is the faculty, and we know that investments in that capital yield extraordinary dividends, both short and longterm. We will continue to hire the best scholars the world has to offer and team them with the best students and associates. The addition of two outstanding lignin scholars, Dimitri Argyropolous and Vincent Chiang, is evidence of our commitment to invest in champions. And the synergy that occurs when such outstanding faculty work with outstanding students, from freshmen to post-docs, is unbeatable. You are the beneficiaries when these students, not only technically competent but also proven problem-solvers and savvy in the workplace, arrive as employees. The Pulp and Paper Foundation has provided the basis for recruiting outstanding undergraduate students into our program, and we depend on your generosity and foresight to continue expanding our recruiting advantage.

Second, we are committed to **growing innovation**. Our vision for the future is that our best scientists will be engaged in exploring and developing new ideas—products, processes, technologies. We will invest in these innovations, but with the clear understanding that some will be successful and others not. That's okay with us. In fact, we consider some failure to be the cost of learning—the ultimate reason we exist. We are prepared to shut down less promising research and development areas, and then to invest more vigorously in those with greater promise. We also know that the best ideas will be collaborative, reaching across disciplines from forestry to pulp/paper science to economics and policy. Our recent success with new grant programs linking **Ron Sederoff's** program in forest molecular genetics to **Hou-Min Chang** and **John** Kadla's program in fiber quality and manufacturing has demonstrated the rich intellectual and physical resources that a comprehensive college like ours can bring to innovation. This is our model for the future.

Third, we will help our students move from learners to leaders. Our students have always benefited from the practical experience they get in internships, cooperative studies, and summer employment in the industry. We will build on that tradition to bring a broader range of capabilities and experiences to our students so they are poised solidly to excel not only in entry positions, but also in executive roles and community leadership. Recent scholarship endowments that provide for undergraduate international experiences are one way to enhance students' maturity and world-view. But we also intend to expand students' exposure to industry leaders, community involvement, diversity-the full, complex mosaic that comprises the world of business, industry, and community. Our role model for this effort is David Ashcraft, who brings a career as an industry leader to the classroom, opening students' eves and expanding their vision-no student remains untouched in David's presence.

We strongly believe that by investing in champions, growing innovation, and helping students grow from learners to leaders, we will meet the challenge of helping the pulp and paper in dustry become stronger and more profitable in the future. And, through that, to help sustain the economic prosperity, healthy environments, and stable communities that we all want and need. As we act on these opportunities, we thank you for the support and collaboration that you have always provided—and always will provide. We couldn't do it without you!



Department Head Report



Michael Kocurek

North Carolina State has the vision to be the institution of choice for Education and Research in Pulp & Paper Science, Engineering, and Technology.

Students

EDUCATION

The new entering freshman class number 26 and the total undergraduate enrollment is 140. Graduate enrollment is 21, including seven distance Masters degree students. Our total enrollment of 161 ranks NCSU as the largest paper Science program in the U.S. This success is due to increased coordination of recruiting by Ben Chilton and Lesley Grieco, increased faculty participation, alumni, industry representation a new industry message, and increased scholarship support.

The 2001-2002 graduating class introduced to the Foundation last fall joined the industry as follows:

Elizabeth Ann Blackburn Marquis Dion Bennett Brandon Ward Bray Julie Cheng Stacey Davidson Charles Clifton Daw Jeffrey Daniel Flanagan Charles Hinson Christy Michele Huggins David L. Johnson Samuel Craig Littlejohn Robert McGuire Lowe Norfolk Naval Shipyard Tackticks L.L.C. Kimberly-Clark Kimberly-Clark ENSR International Weyerhaeuser Babcock and Wilcox Babcock and Wilcox Weyerhaeuser NC State University, BS CHE A & T State University Institute of Paper Science and Technology Jason Thomas Persinger Randall Oldin Pittard John Allen Quick, Jr. Aaron Drake Smith Elizabeth Ashley Speller William Edgar Stallings Brian Richard Stepp Scott Charles Taylor Erik Steven Welf Betsy Whitley Erik Kyle Yarbrough Hercules Procter & Gamble Pactiv, Kimberly-Clark Rayonier Shell Chemicals Northwestern University International Paper Kimberly-Clark BASF Venture company

Paper Science had two University Valedictorians, Emily Denis Hafer, and Erik Steven Welf in this year's graduating class. Erik Welf was named to the U.S. News and World Report's Who's Who of University Graduates. Erik was the only student named from N.C. State and is, we believe, the first pulp and paper student from any paper school to be so honored.

North Carolina State students received a record six TAPPI Division scholarships; Kelley Mandracchia also received the Cullilson Leadership Award.

Summer internships and semester co-op positions were provided for 100% of the rising juniors, seniors, and 9th semester seniors. This will enhance the value of these graduates of the class of 2002–03 and 04. We are very grateful to the corporations, mills, and suppliers who supported this most critical of all professional development activities.

The student chapter of TAPPI/PIMA has been very successful this year. Members have actively participated with the Paper Science Department in the recruitment process. Through the Shadowing Program, prospective students experience a day in the life of a college student. Over 20 industry recruiters continue to work with TAPPI/PIMA setting up pre-nights, where they spend the night before company interviews informing students on prospective careers in the pulp and paper industry.

Paper Express is a program where elementary and middle school students learn about the paper industry and what it takes to make paper. Members also volunteer their time to tutor students in areas of math and science. In addition, students have participated in Service Raleigh, a citywide program that completes various tasks around the Raleigh area, including planting trees and beautifying pedestrian walkways.

In October, TAPPI/PIMA organized the 2nd Annual Alumni Tailgate as its primary fundraiser. Despite the cold weather, there was a great turnout of students, faculty, and alumni for the NCSU vs. UVA game. Everyone enjoyed the fried turkey, country food, and free t-shirts so much that they are already looking forward to this year's tailgate.

TAPPI/PIMA has attended three conferences this past year. In November, students attended the 2001 TAPPI Pulping Conference in Seattle, Washington where they learned about the recent advancements in pulping technology.

In March, students traveled to Atlanta, Georgia for both the Paper Summit, which comes once every three years, provided students the opportunity to network with industry professionals and view the latest in technological advances in the paper industry. At the Student Summit, attendees had the opportunity to meet their peers in pulp and paper programs throughout the United States and share with them areas where N.C. State was successful. In the fall semester, TAPPI/PIMA sponsored three flag football teams: two men's and one co-ed. The Papermakers co-ed team's regular season and playoff record earned them an invitation to compete in the National Collegiate Flag Football Tournament held in New Orleans, LA. In the spring semester, TAPPI/PIMA sponsored two teams for intramural softball.

FACULTY

Adrianna Kirkman has been appointed Associate Dean for Academic Affairs in the College of Natural Resources. We will miss her organizational leadership and wish her well as Associate Dean. She will still be teaching in Paper Science.

Med Byrd has been appointed the new Undergraduate Coordinator, and will be quickly learning Adrianna's organizational skills.

For a complete list of faculty publications and presentations, see the Departmental Annual Report.

CONTINUING EDUCATION

N.C. State is offering the widest array of continuing education to the Paper and Allied Industry of any academic institution. Our goal is to be a core provider of education to help our industry remain competitive and a workforce technologically advanced. In addition to our Bachelor of Science, Master of Science, and PhD programs, the following continuing education activities were provided:

Distance Learning Program

Three years ago, the Department offered semester long distance learning courses and a distance learning Masters Degree in Wood & Paper Science. This program was the first of its kind in the global Pulp and Paper Industry. There were 25 students registered for one of our five courses. This past year, 50 students registered to take a course, and have been admitted into the Distance Learning Masters Degree program. The Department will give priority to, and develop a customized degree program for, Foundation Member companies. A companion program in Wood products came on line this current year.

Hands on Workshops in Pulp & Paper

The pulping, bleaching, and papermaking laboratories represent a valuable asset for continuing education. The weeklong workshops are a cooperative venture with TAPPI. They provide both lecture and hands on laboratory/pilot scale experiments. They can be customized to individual groups. In the past year, three of these successful courses were held at NCSU.

Science Teacher Research Workshop: Papermaking and Recycling

The 3rd annual research program for 20 science teachers was held at N.C. State. This program is one of our best recruiting activities, and is building an alliance with our science teachers, who, in turn, each teach 25 senior level chemistry students. Over the past three years, 60 teachers and 1500 students have learned about our industry. Three other universities conducted similar programs last summer, based on the N.C. State program.

RESEARCH

The principal areas of research emphasis continue to be:

Wood Chemistry Pulp and Bleaching Recycling Wet End Chemistry Forest Biopolymers Non Wood Pulping

The area that has emerged over the past two years as the largest area of growth is Forest Biomaterials. This is a strategic research initiative with the Forest Biotechnology group to create a new generation of materials from the forest.

The students and faculty express their thanks and gratitude to the people and members of the Foundation. Without this margin of excellence, we would not be the best program in Paper Science.

Budget Request

Budget request for Support for the Pulp and Paper Foundation, Inc.

General Fund:

Margin of Excellence Fund	<u>\$76,000</u> \$76,000
Educational Support Scholarships Student Recruitment	\$141,000 <u>9,000</u> \$150,000
Administrative Support Audit Foundation Management Office Supplies, Postage, Telephone, Lega Publications Accounting Support Travel & Development, Auto	5,200 90,000 9,000 6,000 6,500 <u>7,000</u> \$123,700
Development Support Meeting Expenses Advancement support for Capital Campaign Donor Relations	23,000 20,000 <u>2,200</u> \$45,200
SUBTOTAL Special Funds Professorships SUBTOTAL	\$394,900 \$190,000 <u>79,000</u> \$269,000
TOTAL SUPPORT	\$663.000









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Onvestment Report

The Pulp and Paper Foundation's long-term investment portfolio of stocks and bonds was invested with the NC State Investment Fund, Inc. (the Fund). The Fund is a governmental not-for-profit organization established as a separate, incorporated investment fund pool. The Endowment Fund of North Carolina State University (the University) and other Universityaffiliated foundations also invest in this fund.

Following is a recap of the year-end market value of the Pulp and Paper Foundation's investments with the Fund:

The overall net total performance return for the foundations combined long-term portfolio was (8.94%) compared to fund's composite index of (6.84%). The prior year net total return was (3.91%) compared to the composite index of (5.76%).

The Foundation uses the Common Fund Short-Term Fund for its short-term cash management program. This fund earned 2.82% for the year as compared to the average 90-Day Treasury Bill rate of 2.23%. The Foundation maintained an average monthly balance of \$993,853 in this fund and received interest of \$26,588 (net of management fees). The foundation also uses the Common Fund Intermediate Cash Fund which earned a total return of 5.05% for the year as compared to 6.65% for the Merrill Lynch 1-3 Year Treasury Index. The Foundation maintained an average monthly balance of \$602,285 in this fund, and received interest of \$34,479 (net of management fees).

The Foundation has also invested in Academy Centennial Fund, LLC, a limited liability corporation, which seeks venture capital investment opportunities related to NC State University. The market value of these assets was \$206,288 at June 30, 2002.





Katherine Buckman Davis

The endowment base of the Paper Foundation continued to grow this year with Foundation gifts totaling \$ 2.1 million, including nine new endowments and increased contributions to another ten endowments. During a year when the stock market severely reduced the personal wealth of most people and amid increased need for charitable contributions to other organizations, friends of NC State continued to remember the Paper Foundation.

New endowments established during the year 2001-2002 included:

Irene Flowers Crisp Memorial Scholarship, established by Jim Crisp in memory of his wife, Irene

Stanley J. Buckman Memorial International Internship Award, established by Kathy Buckman Davis in memory of her grandfather

Jameel Family Endowment, established by Dr. Hasan Jameel

- Roy Hunter Endowed Scholarship, established by friends of Roy Hunter
- Ryan T. Smith Honorary Scholarship established by the Class of 2001
- Neal Binkley Memorial Scholarship, established by friends, family and colleagues

Rick Holley Family Scholarship, a planned gift by Dr. Rick Holley Jane Howe Scholarship, a planned gift by Jane Howe

Ben and Peggy Chilton Fund, a planned gift by Ben and Peggy Chilton

Each year, many of our donors increase contributions to established endowments; increases during 2001-2002 included:

Boise Scholarship Bowater/NC State Alumni Scholarship E.J. and Sue Brickhouse Scholarship Dr. Hou-Min Chang Scholarship Class of 1966 Ronald B. Estridge Family Scholarship Carol and Carter Fox Scholarship JWI Group/Cecil Terry Scholarship Hazard H. and Ada C. May scholarship Richard H. Owens Scholarship Sture G. Olsson Scholarship PaperChase Scholarship Kirk Semke Scholarship

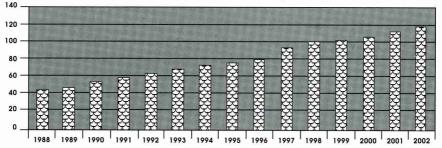
Other gifts included increases to the Olsen and Robertson Professorships, and Bob Carpenter made a significant deferred gift to the J. Robert Carpenter Scholarship.

NC State recognizes lifetime giving through its Giving Societies, and we are pleased to recognize new members of these societies. The list of members of the society who have given to the Paper Foundation is included on page 26.

The Paper Foundation now has a new program for Life Members that parallels the Universities' Annual Giving societies. Once a person becomes a life member of the Paper Foundation (\$1,000), he or she can become members of one of the Paper Foundation's Life.giving Societies by making an annual







contribution to the Foundation. The societies and giving levels include:

\$100-249	Papyrus Club
\$250-499	Mulberry Club
\$500-749	Printing Paper Club
\$750-999	Packaging Club
\$1000+	Consumer Products Club

Contributions to the Paper Foundation annual fund are non-restricted funds that are used for scholarships and program needs of the foundation. Once a person becomes a life member of the foundation, all contributions to the foundation count toward membership in one of the giving societies.

The Development Committee continues to focus on three areas for providing for the increasing needs of the Paper Science program:

- External Foundations. Thanks to the efforts of Tom Freeland, Paper Foundation Board member, NC State is planning proposals for submission to the Sloan Foundation for funding of a Furniture Center and a Tourism Center. These two centers would benefit the entire College of Natural Resources.
- Planned giving. Planned giving continues to be the area of greatest interest by alumni and friends. Continuing changes in the economy and tax laws and the maturing of our alumni base create options that can satisfy the needs of donors for income as well as provide tax benefits resulting from charitable contributions.
- Individual Endowments. Alumni and friends are also participating in the growth of the Paper Science program with annual giving, Lifetime Giving Societies and individual endowments such as the Ryan Smith Honorary Scholarship and the Class of 20XX scholarships. In addition to the champions for individual Class of 20XX scholarships, champions have been identified for the major Forest Products companies.

The Development Committees activities are integrated with a University-wide Comprehensive Capital Campaign to raise \$ 750 million for the University. The Paper Foundation along

with the Forestry Foundation is charged with the responsibility for a successful fundraising campaign for the College of Natural Resources. We just completed the first year of the silent phase of the seven-year fundraising program and raised just over \$ 6 million of the \$ 25 million goal. The Comprehensive Campaign for CNR is coordinated by a Steering Committee chaired by Mac Lupold, International Paper. Other members of the steering committee include Kathy Buckman Davis, Buckman Laboratories – Paper Science; Sam Cooke, International Paper – Forestry; Swede Frausson, retired – PRTM; and Jerry Hicks, Duct Incorporated – Wood Products. Faculty members of the Steering Committee include John Heitman, Rick Hamilton. John Stewart and Michael Kanters.

The foundation needs the input of friends and alumni for a successful program, which will then attract additional support. Thanks for a good year; the Development Committee is working hard to make 2002-2003 another success.

Kathy Buckman Davis, Chair Person Buckman Laboratories

David Ashcraft NC State University

Jerry Ballengee Retired, Union Camp

Jim Crisp Retired, Union Camp

Joe Donald Retired, Champion

Tom Freeland BE&K

Robert Harrison Retired, GL & V

Ted Owens Retired, Inland Paperboard and Packaging

Richard Phillips International Paper

Ed Robert Retired, Albany International

Endowed Scholarships

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William E. C	aldwell Scholarship
Alonzo Aldrid	ch Scholarship
Eugene E. E	Ilis Scholarship
Robert G. H	itchings Scholarship 1979
Charles W (Coker, Sr. Scholarship 1979
Noloo Schol	arship
Naico Schol	omson Scholarship
Dwight J. Th	
	son Scholarship (Increased) 1979
	Forest Scholarship 1979
Stone Conta	ainer Scholarship 1979
Weverhaeus	er Scholarship
	unders Scholarship 1980
John P. Kon	nedy Scholarship 1981
John R. Ken	mily Scholarship
Shouvin Fa	The scholarship
	. Camp Scholarship (Increased) 1982
PaperChase	Scholarship (Increased) 1983
Drs. Li-Sho	and Lee-Fun Chang Scholarship 1983
Dr. Fred B.	Schelhorn Scholarship 1983
I Robert Ca	arpenter Scholarship
Ray Smith S	Scholarship
	I Paper Scholarship
	Istries Scholarship
	sten Scholarship 1985
Union Camp	Scholarship
	akley, Jr. Scholarship
Caraustar In	ndustries Scholarship 1985
M. Lebby Bo	binest, Jr. Scholarship 1985
John Milton	May, Jr. Scholarship 1985
James Rive	r Scholarship
	rbonnier Scholarship
	er Scholarship
	Rogers Scholarship
Betz Dearbo	orn Scholarship 1988
Albright & V	Vilson Scholarship
William V. C	ross & Nalco Scholarship
Tidewater C	onstruction Scholarship 1988
	ineering Scholarship 1988
Will P Lovin	Scholarship
John A. Hoi	tmann. III Scholarship
Hercules So	cholarship
	ood Scholarship
	Sherman Scholarship
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Hazard H &	Ada C. May Scholarship (Increased)1988
Rector/Ash	craft Scholarship 1988
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Cascade III	Owens Scholarship (Increased)
Richard H.	Jwens Scholarship (Increased)
Robert E. N	1ason
	xander Memorial Scholarship
	" Rice Family Scholarship 1990
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Ronald B. E	stridge Family Scholarship (Increased) 1990
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Broctor & G	amble Scholarship
MacMillon	Bloedel Scholarship
	Piette Scholarship
	rporation Scholarship 1991
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Carol and C	Carter Fox Scholarship (Increased)
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	ily Scholarship
WE "Bill"	Hamilton Scholarship
W.L. DIII	Pailov Sabalarship
william M.	Bailey Scholarship
internationa	al Paper/INCSU Alumni #1 Scholarship

Ciba-Geigy Scholarship	93
Metso Paper #2 Scholarship	93
Class of 1966 Scholarship (Increased) 199	
International Paper/NCSU Alumni #2 Scholarship	
International Paper/NCSU Alumni #3 Scholarship	94
Thiele Kaolin Scholarship 19	94
TAPPI Envirochase Scholarship 199	95
John L. Moore Scholarship 199	
Asea Brown Boveri Scholarship 199	
Sonoco/NCSU Alumni Scholarship 19	95
Virginia Fibre Corporation/Robert C. Macauley Scholarship	95
JWI Group/Cecil Terry Scholarship (Increased)	90
Jacqueline S. Moore Scholarship	90
Dr. Hou-Min Chang Scholarship (<i>Increased</i>)	90
Bowater/NC State Alumni Scholarship (Increased)	90
EKA Chemical Scholarship	90
Albany International Scholarship	
Speciality Minerals Scholarship	97
Kellogg Brown & Root Scholarship	97
Jacobs Engineering Group Scholarship	
St. Laurent Paper Products Corp./NCSU Alumni Scholarship 19	97
Inland/NCSU Alumni Scholarship	97
Inland PaperBoard and Packaging Scholarship	97
*Wes Smith Scholarship	97
Homer "Slick" Lusby Scholarship	97
Thermo Web Scholarship	
Kirk Semke Scholarship (Increased)	
Magdalene Thompson Donald Scholarship	
Irving S. and Helen Half Goldstein Graduate Fellowship	
William E. and Therese Smith/EEC International Scholarship 19	
Weavexx Scholarship	98
Boise Scholarship (Increased)	98
Sequa Chemical Scholarship	98
*B.C. "Bob" Moore Scholarship	98
*J. Robert Carpenter Scholarship	
Wm.(Scotty) Greig Scholarship	99
IP Riegelwood/NCSU Alumni	
Georgia-Pacific Scholarship 19	99
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*Deferred gift

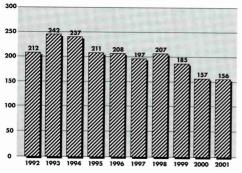




John McClendon

The entering class of 2002 – 2003 has 24 freshmen and three transfer students. Although the number of entering students is lower than last year's entering class, these students still have impressive statistics. Nineteen students have merit scholarships and three students have non-merit scholarships. For those receiving merit scholarships, the average SAT is 1262 and the average GPA is 4.41. Students from six states, including MD, NC, SC, TN, TX, and VA, applied to the program this year. Thank you to the NC State faculty and staff as well as alumni and industry representatives who assisted with recruiting this past year.

PPT ENROLLMENT



Lesley Grieco, the Coordinator of Recruiting, has stayed busy recruiting at high schools, community colleges, industry open-houses, conferences, and teacher and student workshops. The third annual teacher workshop was held at NC State in June. Fifteen teachers from NC, SC, TX, and VA attended a three-day workshop in which they received license renewal credits and an experiment kit to use in their classrooms. Once again, the teachers evaluated this course favorably, and we hope they will advertise the Paper Science program to their students. They have already been responsible for some students entering the program. Thank you to **MeadWestvaco (VA and TX)** and **Jeffrey M. Siegrist & Co.** for sponsoring teachers. Spaces are held for industry-sponsored teachers so please contact Lesley if your company is interested.

Also this past summer, NC State Paper Science hosted 20 high school juniors and seniors again for a four-day workshop that was sponsored by the Burroughs Wellcome Fund. This workshop was once again successful! After the first student workshop, four participants applied to Paper Science and two have enrolled. Hopefully, we will capture some more students from the workshop this past summer. Due to the committee's suggestion, Lesley also held three workshops in industry this past summer to inform industry personnel and alumni about the Paper Science program and NC State in general. Finally, the new recruiting video is now on CD format.

We appreciate the efforts of the following committee members, and I would like to recognize Mr. Philip Davis who became chairman July 1.

Mr. John McClendon (chair)	Miss Lesley Grieco NC State University
Mr. Philip Davis (incoming chair)	nangan - randa a manan san sara nangan san sa
Sonoco Products Company	Mr. B. Robert Harley Bowater, Inc.
concer roducts company	Dowaler, mc.
Dr. Patrice Alexander	Mr. Robert C. Harrison
International Paper	
	Mr. Roy Hunter
Mr. Dan Armstrong	
International Paper	Mr. J. Eliot Malak
	International Paper
Mr. Ronnie Campbell	
MeadWestvaco	Mr. John F. Prichard
	Weyerhaeuser
Mr. Ben Chilton	
NC State University	Mr. Jeffrey M. Siegrist
	Jeffrey M. Siegrist & Co.
Mr. Thomas H. Eck	
Southeast Paper Mnfg.	Mr. Phil Strader
	ONDEO-Nalco Chemical

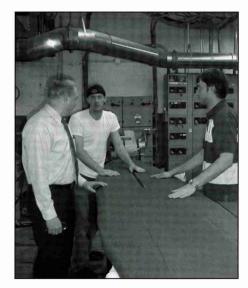
Company

Mr. Gene Foster Honeywell/Measurex

Recruiting Statistics

State/City	Company/Source	Apps	Offers	Accept
Maryland				-
Frostburg	MeadWestvaco	1	0	0
North Carolina				
Andrews		1	0	0
Apex		1	0	0
Ararat		1	1	0
Arden		1	1	0
Asheville	Blue Ridge Paper	1	1	0
Bahama		1	1	1
Bryson City		1	0	0
Cary		2	1	1
Charlotte		2	2	1
Chocowinity	Weyerhaeuser	1	1	1
Conover		1	0	1
Currie	I.P.	1	1	0
Deep Run		1	0	0
Eden		2	1	2
Elon College		1	1	1
Fayetteville		1	1	1
Forest City		1	1	1
Garner		1	1	1
Gastonia		1	0	1
Greenville	Weyerhaeuser	1	1	1
Hatteras		1	1	1
Hickory		1	1	1
High Point		1	1	1
Kinston		1	1	0
Kure Beach		1	1	1
Laurinburg	Weyerhaeuser	1	1	0
Littleton	I.P.	2	0	2
Matthews		1	1	1
McLeansville		1	1	1
Monroe		1	1	0
Murphy		1	1	0
Newland		1	1	0
Penrose	Ecusta	1	0	0
Raleigh		4	2	0
Roanoke Rapids	I.P.	1	1	1
Statesville	1	1	0	
Sylva	Blue Ridge	1	1	0
Tabor City		2	2	0
Wendell		1	1	1
Williamston	Weyerhaeuser	1	0	0
Wilmington	I.P.	2	2	0

State/City	Company/Source	Apps	Offers	Accept
<i>South Carolina</i> Hartsville	Sonoco	1	1	0
<i>Tennessee</i> Cleveland	Bowater	1	0	0
<i>Texas</i> Beaumont	MeadWestvaco	2	1	0
Sour Lake	MeadWestvaco	1	1	0
Virginia				
Amherst	Greif Bros.	1	1	1
Boydton		1	1	0
Chesterfield	Smurfit-Stone	2	1	1
Franklin	I.P.	2	1	2
Hopewell	Smurfit-Stone	1	0	0
Orange		1	1	0
TOTALS		64	44	27



2002-2003 Scholarship Recipients

UPPERCLASS



Breanne Wiley Donohue Raleigh, NC



Cynthia Ann Hendren Laurinburg, NC



Tony Jackson Harris Littleton, NC



FRESHMAN

David Gregory Abrecht Hickory, NC



Robert Justin Brett Greenville, NC



Kevin Ray Bullock Forest City, NC



Jonathan Daniel Burrus Hatteras, NC



Armando De Jesus Contreras Wendell, NC



Garner, NC

Aaron Lawrence Fipps Matthews, NC



Jennifer Lee Griffin Bahama, NC



Patrick Christopher Guley Elon College, NC



Jeremy Allan Haddock Chocowinity, NC



Austin Cornell Kizzie Fayetteville, NC



Jason Clifford La Course Kure Beach, NC



Kevin Ryan McGlynn McLeansville, NC



Niral B. Patel Chesterfield, VA



Keith Andrew Slaton Franklin, VA



Kelley Lynn Spence Roanoke Rapids, NC

16 • Pulp and Paper Foundation. Inc.



Terence Patrick Steed Eden, NC



Vesna Tosanovic High Point, NC



Jarrod Anthony Tucker Amherst, VA



Sara Rose Welter Charlotte, NC



1

Graham Thomas White Franklin, VA

Scholarship Report



B. Robert Harley

The Scholarship Committee met on February 7 this year to review the applicants for Pulp and Paper Foundation scholarships and to renew the upperclass awards. The cost of those upperclass renewals was \$209,100. This left \$105,900 for entering freshmen and new upperclass applicants.

The University is beginning to place a heavier emphasis on an applicant's high school GPA, as opposed to the SAT. Even though this new emphasis can adversely impact the Admission Index (AI) of a student, the committee felt we should maintain the minimum AI of 2.9 to qualify for a scholarship.

The Committee awarded two "super scholarships" (\$10,000 each) to out-of-state students based on a descending A.I. to a minimum of 3.13. Two "super scholarships" (\$5,000 each) were awarded to in-state students based on descending A.I. down to a minimum of 3.43.

The academic quality of the recruits remains outstanding. The average SAT Score for the scholarship recipients was 1262 and the average GPA was 4.41.

As we have often said, to continue to attract the very best students into the paper science curriculum we must find ways to continue to offer more competitive scholarships and provide summer and co-op employment. The committee extends it appreciation to the many individuals and companies who have invested in this scholarship program.

Respectfully submitted,

B. Robert Harley, Chair Bowater, Inc.

Philip Davis Sonoco

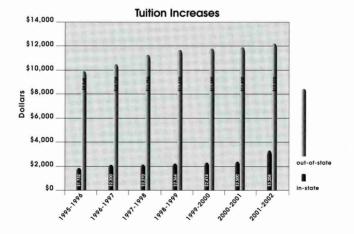
William E. Smith

Lesley Grieco Paper Science Recruiting

John M. McClendon

V. Gerald Dowless Smurfit-Stone

Adrianna Kirkman NC State Faculty



2001-2002 Scholarship Recipients

FRESHMAN

Name

Patrick James Cleary Joshua James Clemons Christopher Gentry Duncan Timothy Matthew Fincher Meredith Rachel Fulp James Patrick Furgurson Robert Mark George Benjamin Thomas Godfrey Brian Thomas Goffrth Michael Timothy Gore Robert La Thomas Hargrove Maryn Lee Heermann

Dustin George Herrmann Brian Matthew Hoffert Adam Lee Hoffman Mary Ellen May Johnson Elena Francine Malak Juliet Woodard Martin Aaron Mark Mc Clannon Donald Jason Mc Crary Steven James Mucci Jill Renee Peoples Julie Anne Roszko Nathan Avery Saunders Casey Edward Sawyer Eric Kurt Scholler Douglas Neal Way

SOPHOMORE

Name

Ionathan Matthew Barnes Patrick Wavne Behan Alan Christopher Boyd Jamie Deanne Bushnell **Emily Diane Carter** Christopher Michael Foess Stephanie Diane Hafer Aaron Christopher Miller Gregory Allen Respet Angela Roach Rebecca Robertson Susan Lynda Roszko Jesse Michele Savickas Rvan Warwick Sharkey Suzanne Therese Stock **Tiffany Watson** Michael Powell Wojdyla

Hometown

Hartsville, SC Rutherfordton, NC Raleigh, NC Stokesdale, NC Raleigh, NC Plymouth, NC Little Rock, AR Belvidere, NC Wilkesboro, NC Chadbourn, NC Chesterfield, VA

New Bern, NC New Hill, NC Conover, NC West Point, VA Cumberland, MD Williamston, NC Mocksville, NC Brevard, NC Shelby, NC Henderson, NC Raleigh, NC Hertford, NC Jamesville, NC Cramerton, NC

Award

Robert L. Bentley Scholarship Homer "Slick" Lusby Scholarship Paperchase Scholarship Shouvlin Family Scholarship Michael I. Sherman Scholarship William H. Sprague Scholarship IP/ Eugene E, Ellis Scholarship Albany International Scholarship William M. Bailey Scholarship George E. Oakley Scholarship Tidewater Construction Scholarship Hercules Employees / NC State Alumini Scholarship Hercules Scholarship; Betz Dearborn Scholarship **EKA Chemical Scholarship** Inland/NCSU Alumni Scholarship Nalco Chemical Scholarship Carol and Carter Fox Scholarship Boise Cascade Scholarship Dr. Fred B. Schelhorn Scholarship Wm E.& Therese Smith/Ecc International Rector/Ashcraft Scholarship Robert E. Mason Scholarship Segua Chemical Scholarship Sonoco/NCSU Alumni Scholarship Specialty Minerals Scholarship Caraustar Industries Scholarship Dwight J. Thompson Scholarship **Ciba Specialty Scholarship**

Hometown

Jackson, NC Hickory, NC Belhaven, NC Sour Lake, TX Waxhaw, NC Bullock, NC Laurinburg, NC High Point, NC Wilmington, NC Grifton, NC Roanoke Rapids, NC Raleigh, NC Leland, NC Charlotte, NC Wilmington, NC Arapahoe, NC Madison Heights, VA

Award

Turner Family Scholarship Dietrich V. Asten Scholarship Eric L. Ellwood Scholarship International Paper/NCSU Alumni Scholarship Jacobs Engineering Group Scholarship William (Scotty) Greig Scholarship Vinings Industries Scholarship Class Of 1966 Scholarship John L. Moore Scholarship Drs. Li-Sho & Lee-Fun Chang Scholarship Magdalene Thompson Donald Scholarship John A. Heitmann, III Scholarship IP Riegelwood/NCSU Alumni Scholarship Barre Mitchell Scholarship Jacqueline S. Moore Scholarship Weavexx Scholarship William V. Cross & Nalco Chemical Scholarship

JUNIOR

Name

Timothy James Armstrong David Keith Ashcraft Crystal Shauna Currie Brandy Nicole Dail Courtney Nicole Dockery Rachel Alvssa Ernest David Otto Foster Rvan Jason Hill Keri Michelle Lake Kevin Brooks Lowe Kelley Lynne Mandracchia Alnesha Moses Dustin S. Mountcastle Kelly Francis Newlin Courtney Eugene Pate John Louis Patteson Daniel Speight Rountree Willard Mills Salley Michael Alan Smith Heather Leake Smyth Jeff Thomas Wallace Charles Stevenson Wallace Jeremy Wayne Watters Megan Daniel Winfield Donnie Mack Young

SENIOR

Name

Edwin J. Alston Jonathan Clark Anderson Brandon Ward Bray Julie Cheng Jonathan Ray Dunn **Ricky Dean Gardner Brian Lowell Gustin** Emily Denis Hafer Colin Michael Hayes Charles Hinson **Christy Michele Huggins** Rvan Franklin Long Jason Thomas Persinger Randall Oldin Pittard Aaron Drake Smith William Edgar Stallings Brian Richard Stepp Shavova Antwaun Underdue Erik Steven Welf Betsy Whitley

Hometown

Roanoke Rapids, NC Beaumont, TX St. Pauls, NC Kinston, NC Nakina, NC Pilot Mountain, NC North, VA Greensboro, NC Midlothian VA Newsoms, VA Matthews, NC Columbia, SC West Point VA Snow Camp, NC Wagram, NC Lanexa, VA Gatesville, NC Laurinburg, NC Edenton, NC Raleigh, NC Roanoke Rapids, NC Kernersville, NC Aragon, GA Washington, NC Port St Joe, FL

Award

Asea Brown Boveri Scholarship Phillips Family Scholarship Cascade Industries Scholarship David & Doris Bossen Scholarship John R. Kennedy Scholarship Will P. Lovin Scholarship Westvaco Scholarship Thiele Kaolin Scholarship Stone Container Scholarship PIMA Southeast Scholarship Willamette Industries Scholarship Metso Paper/Sunds Scholarship Lawrence H. Camp Scholarship National Association of Paperstock Women Scholarship Kellogg Brown & Root Scholarship Clariant Corporation Scholarship E.J. & Sue Brickhouse Scholarship Dr. Hou-Min & Anne Chang Scholarship Sture G. Olsson Scholarship C. Cline Peter Scholarship Thermo Fibertek Scholarship Voith Fabrics Scholarship Inland PaperBoard & Packaging Scholarship John M. May, Jr. Scholarship Harry H. Saunders Scholarship

Hometown

Raleigh, NC Hartsville, SC Marietta, GA Raleigh, NC Wendell, NC Jamesville, NC Roswell, GA Laurinburg, NC Cary, NC Four Oaks, NC Brevard, NC Amelia Island, FL Covington, VA Littleton, NC Roper, NC Concord, NC Richmond, VA Garysburg, NC Raleigh, NC Charlotte, NC

Award

J. Robert Carpenter Scholarship Charles W. Coker, Sr. Scholarship Georgia-Pacific/James River Scholarships Kirk Semke Scholarship Ray Smith/Robert Hitchings Scholarship Weverhaeuser/Macmillan Bloedel Incorporated Scholarship Union Camp Scholarship Virginia Fibre Corporation/Robert C. Macauley Scholarship JWI/Cecil Terry Scholarship Hazard H. & Ada C. May Scholarship Richard H. Owens Scholarship E.J. "Woody" Rice Family Scholarship PIMA Dixie Scholarship M. Lebby Boinest, Jr. Scholarship Procter & Gamble Scholarship James M. Piette Scholarship PIMA Salesman's Society Scholarship International Paper Scholarship Ronald B. Estridge Family Scholarship Bowater/NC State Alumni Scholarship

Membership Report



Asa D. Hardison

Trying to maintain some sense of normalcy is probably the best way to describe our efforts for 2001-2002. As can be expected, mergers, acquisitions, and an unsure economy played havoc with our plans to expand the membership base of the foundation. Indeed, we were probably fortunate to retain the base membership close to the level of the previous year.

There are a couple of bright spots in this report. Last year we asked the membership to consider increasing their donation to help offset the ever rising tuition increases. I am happy to report that 13 companies increased their annual gifts. Those companies are: Weyerhaeuser Company, Inland Paperboard & Packaging, Inc., Procter & Gamble, Smurfit-Stone Container Corporation, Albany International Corp., BASF, Buckeye Technologies, Inc., Metso Paper, Thermo Web Systems, Inc., Vulcan Performance Chemicals, National Gypsum, Dixie Southern Pima and SP Newsprint Company. We also recognize Weavexx for reinstating their membership and the Alfred I. DuPont Foundation for supporting our program.

Bill Rogers, with the inspiration of the Membership Committee, expanded the individual *Life Member* category to include annual giving clubs. The five clubs listed below enable life members to continue annually their support of the Foundation. Early members of those clubs include Bill Rogers, David Ashcraft, Ben Chilton, Charles Stinnett, Richard Phillips, and Roy Hunter. There will be opportunities at the annual meeting to become a member of one of those clubs.

\$100-249
\$250-499
\$500-749
\$750-999
\$1000+

A current **Life Member** may choose to either remain as one of the original Life members, or embrace one of the new Life Member categories above donating annually at the levels indicated.

A special thanks to the membership committee for their many positive efforts.

Respectfully submitted,

Asa D. Hardison, Chair Georgia Pacific

Charlie Hodges, Co-chair Georgia Pacific

Jim Bowen Sonoco

Tom Dawson Caraustar Industries

Bob Fesser MeadWestvaco

Bob Harrison GL&V

Dwayne Hinkie Inland-Rome

John Holland *Vulcan*

Jim Myers Willamette

Troy Pace Hercules

Bill Rogers Georgia Pacific

Don Stewart Asten-Johnson

Diane VanValkenburgh Georgia Pacific

2001-2002 Corporate Membership

PLATINUM-PLUS MEMBERSHIP

Georgia Pacific Corporation International Paper Company Andritz, Inc.

Weyerhaeuser Company

PLATINUM MEMBERSHIP

Inland Paperboard & Packaging, Inc. (Increased) Procter & Gamble Company (Increased) Smurfit-Stone Container Corporation (Increased) MeadWestvaco Corp. Sonoco Products Company

PRIMARY MEMBERSHIP

Albany International Corp. (Increased) Asa Brown Boveri, Inc. BASF (Increased) Boise Cascade Corp. Bowater, Inc. Buckman Laboratories, Inc. Buckeye Technologies, Inc. (Increased) Caraustar Industries, Inc. **Ciba** Corporation **Clairant Corporation** Durango (was Gilman) EKA Chemical, Inc. Fluor Daniel Forest Products GL & V. Inc. **Greif Brothers** Hercules, Inc. Honeywell/Measurex Corp. J.M. Huber Corp. Jacobs Engineering Group, Inc. The Mead Corp.

Metso Paper (Increased) ONDEO Nalco Company OMYA, Inc. Packaging Corporation of America (Tenneco Packaging Corp.) Specialty Minerals, Inc. Thermo Web Systems, Inc. (Thermo Fibertek, Inc.) (Increased) Voith Inc. (Scappa Group, Incorporated) Vulcan Performance Chemicals (Increased)

ASSOCIATE MEMBERSHIP

Asten Johnson, Inc. Asten Forming Fabrics, Inc. Asten Press Fabrics, Inc. Asten Dryer Fabrics, Inc. BE&K, Inc. Chemical Products Technology (C.P.T.) Ciba Specialty Chemicals Corporation Ecolochem FMC Interstate Paper Corp. Kemira Chemicals, Inc. (Vinings Industries, Inc.) National Gypsum (Increased) Nordic Engineering, Inc. (Increased) PIMA-Southeastern Div. Weavexx Incorporated (Reinstated)

CONTRIBUTING/ SUPPORTERS

Alfred I. DuPont Foundation (New) Applied Paper Technology, Inc. ForestWeb ForestExchange Green Bay Packaging, Incorporated Jagenberg The Johnson Corp. Kelmar Industries The George Kress Foundation Inc. National Association of Paperstock Women PaperLoop Pima, Salesmen Society-Dixie Pima, Dixie Southern (Increased) Southeast Paper Manufacturing Co. SP Newsprint Company (Inceased) Turbosonic Incorporated VA Carolina TAPPI

2001-02 Individual Memberships

PULP AND PAPER LIFE TIME GIVING

David L. Ashcraft, Consumer Products Club William H. Rogers, Consumer Products Club Richard Phillips, Consumer Products Club Ben Chilton, Printing Paper Club Charles N. Stinnett, Jr., Papyrus Club Roy W. Hunter, Papyrus Club Dr. Ray E. Harrison, Papyrus Club

LIFE MEMBERS

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*Alumnus





Life Time Giving Societies

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The R. Stanhope Pullen Society

(deferred gifts through wills or trusts agreements) **M. Lebby Boinest, Jr.. J. Robert Carpenter Rick Holley (*New*) Jane Howe (*New*) Bob Moore D. Wesley Smith Ted A. Owens Francis H. Wynne Randall and Susan Ward





F. Gray Carter

The committee is pleased to report that all of the rising seniors and juniors seeking summer internships were placed in meaningful roles in our industry. We filled roles with students reaching all the way into the Freshman Class. The industry committee members with support from the university faculty and staff helped make this happen.

Corporate consolidations continue to erode the base level of available positions. However, a number of new companies offered positions that we quickly filled with eager students. A summary of student résumés was published again this year allowing quicker matching of summer jobs to potential candidates. Co-op positions continue to gain favor. Our students continue to be highly regarded when compared to graduates from other programs.

We continue to encourage our industry friends to look for opportunities to employ our paper science students. Not only do the students benefit from the enrichment in their collegiate experiences, but also prospective employers have an early opportunity to attract talented candidates for future employment.

Remember that this is your foundation and we have a responsibility to help position our students for maximum contribution upon graduation. Thank you again for your support!

2001 TO 2002 INTERNSHIPS AND CO-OPS

		Students
Company	Location	Employed
Abbott Labs	Rocky Mount, NC	1
Andritz-Ahlstrom	Atlanta, GA*/NCSU Pilot Plan	
Boise Cascade	Wallula, WA	2
Bowater	Calhoun, TN	1
Cottrell Paper Co.	Rock City Falls, NY	1
Dupont	Richmond, VA*	1
ExxonMobil	Beaumont, TX	1
Georgia-Pacific	Leaf River, MS*/Palatka, FL	3
	Big Island, VA*	
Hercules	Bennettsville, GA	1
Inland-PaperBoard	Rome, GA*	2
International Paper	Franklin, VA	11
	Roanoke Rapids, NC*	
	Franklin, VA*	
	Eastover, SC	
	Georgetown, SC	
Kimberly-Clark	Barton, England UK	7
	Beech Island, SC*	
	Marinette, WI*	
	Neenah, WI	
	Roswell, GA	
LinPac Paper	Cowpens, SC*	1
LP	Roaring River, NC	1
Nippon Paper	Tokyo, Japan	1
Procter & Gamble	Greensboro, NC	1
Smurfit-Stone	Panama City, FL	1
Sonoco Prodcuts	Bolton, GA	4
	Downingtown, PA*	
	Hartsville, SC	
	Newport, TN	
VanDrell	Hickory, NC	1
Westvaco	Evadale, TX	2
Weyerhaeuser	New Bern, NC*	4
	Plymouth, NC	
Willamette	Bennettsville, SC*	4
	Johnsonburg, PA*	
	Bennettsville, SC*	
TOTAL		52
* Indicates a co-op pos	ition	
2.2		

Respectfully Submitted,

F. Gray Carter, Chair Buckeye Technologies

Jim Bowen Sonoco Products

Robert Feeser MeadWestvaco

Ron Finkelstein National Gypsum

David Hickman Thiele Kaolin

Dee Hinkie Inland Paperboard

John Holland Vulcan Performance Chemicals Mike Kocurek NCSU Faculty

Art Kennedy National Gypsum

Adrianna Kirkman NCSU Faculty

T. J. Mahoney Vulcan Performance Chemicals

Tom Perlich Vulcan Performance Chemicals

Mark Russell Nalco Chemical

Rich Venditti NCSU Faculty





Ronnie Hise

Although the pace of equipment donation and purchases slowed considerably in the 2001-2002 time period, the department continues to upgrade its capabilities in both teaching and research. Some of the notable achievements in the past year include the following:

- Dr. Joel Pawlak is establishing a new laboratory for research in the area of paper physics. He recently acquired an atomic force microscope for this laboratory.
- The undergraduate course in pulping process analysis has been expanded to include mechanical pulping. The recently acquired KRK Pressurized Laboratory Refiner (acquired via donation in 2000) is being used to permit the production of TMP in this lab.
- Pulp and Paper freshmen are being exposed in both their first-year courses to the pilot paper machine, with a goal of "hooking" them with the excitement of paper manufacture.
- Pulp and Paper seniors are conducting research projects, which expose them to existing and new technologies in the areas of chemical pulping, mechanical pulping, nonwood bleaching, recycling, fibers, and wet end chemistry.
- NC State is adding to its existing recycling pilot plant to enhance its capabilities to conduct research in the area of fiber fractionation. This research area was initiated by the previous donation of a valuable fiber fractionation technology by Procter & Gamble.

NCSU continues to be the beneficiary of equipment made redundant through industry consolidation. The following addition was made in the past year:

 GL&V Inc. – pilot belt press, pilot miniature pressure screen with interchangeable baskets, stock feed pump, laboratory low-consistency pulper, handsheet moulds

Other donations include the following:

- Deublin Company new rotary joint for pilot rotary globe digester
- Robert E. Mason Co. / Fisher-Rosemont subsidy for acquisition of Delta-V PC-based process control system

Given the economic state of the industry, no progress was made on the two major equipment-intensive goals set last year for upgrading of the program's capabilities. These goals will be renewed for the upcoming year, and all alumni and friends are asked to see if they can contribute to these important causes:

- Pilot Paper Machine Rebuild The pilot paper machine (the Wolfpack Baby) is long overdue for a comprehensive rebuild, including replacement of old bearings, new rotary joints, and new steam and condensate piping. The goal is to improve both the appearance and functionality of the machine. A detailed proposal has been developed and submitted to the major papermaking technology companies.
- 2. Upgrade of the Paper Testing Lab with the exception of the acquisition of new brightness meter, little progress has been made toward the initiative established two years ago to upgrade the existing paper-testing lab. As it exists, the lab is adequately equipped for basic analysis of paper from different pulping operations, but it is far short of having the instruments necessary to analyze the full surface and optical properties of different types of paper. More attention will be paid to fundraising and donations required to meet this goal.

We wish to thank all supporters and alumni who made the past year's donations possible. We want to remind everyone to keep NCSU in mind whenever surplus equipment becomes available for any reason.

Respectfully submitted,

Dr. Ronnie Hise, Chair MeadWestvaco
Dr. Med Byrd NCSU Faculty

James O. Crisp Union Camp Corp. (retired)

Wayne Honeycutt Sonoco Products, Inc.

Dr. Martin Hubbe NCSU Faculty Dr. Hasan Jameel NCSU Faculty

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Charles N. Stinnett, Jr. I.P. (retired)

E. Allen Turner Andritz-Ahlstrom



MINUTES 47TH ANNUAL MEETING PULP AND PAPER FOUNDATION SHERATON IMPERIAL HOTEL RESEARCH TRIANGLE PARK OCTOBER 26, 2001

The 47th Annual Meeting of the Pulp and Paper Foundation, Inc. was called to order by President Phillips at 9:05 AM. October 26, 2001.

Dean Larry Nielsen, extended a welcome to the members present on behalf of the College and University. He spoke briefly about Chancellor Fox and her goal of having this institution be the best in the nation. He then thanked the Foundation for their truly great support of the Pulp and Paper Program.

Dr. Richard Thomas, Secretary, read the minutes from the Board of Directors meeting held on October 25, 2001.

Ms. Kathy Hart, Assistant Treasurer, presented the Auditor's report. She noted that the report included a clean opinion of our financial activities and reporting. She stated that although for the 2000/2001 fiscal year the total return on the Foundation's assets was a minus 3.9%, the Foundations financial position is excellent. As of June 30, 2001 total Endowment Funds were \$6,597,580 and Operating Funds totaled \$1,436,920.

Standing Committee reports, which were made by the Chairman or his designated representative, are printed in the 2001 Annual Report of the Pulp and Paper Foundation. Listed below are the Committees and their Chairman. Also shown are the page numbers in the 2001 Annual Report that contain the Committee Reports.

Investment Committee, Richard Phillips, Page 10 Scholarship Committee, A. Ben Groce, Jr., Page 17 Student Employment Committee, F. Gray Carter, Page 27 Development Committee, Katherine Buckman Davis, Page 11 Student Recruitment Committee, John McClendon, Page 14 Membership Committee, Asa Hardison, Page 20 Curriculum Committee, Hugh Smith, Page 26 Equipment & Technology Committee, Edward Turner, Page 28

Mr. Robert Harrison, substituting for Mr. Jerry Ballengee, Past President, read the names of the nominees for the Class of 2005 Board of Directors. They were: Mr. Chris Broomhead, Mr. Mike Edwards, Mr. F. Gray Carter, Dr. Ronnie Hise, Mr. John Holland, Mr. Jay Miele, and Dr. L. Kirk Semke. Mr. Robert Harley was nominated to fill an unexpired term for the Class of 2003. A motion was made to close the nominations. The motion was seconded and passed.

With no further business, President Phillips adjourned the meeting.

Respectively submitted,

Approved,

Dr. Richard Thomas Secretary Dr. Richard Phillips President

MINUTES INVESTMENT COMMITTEE PULP AND PAPER FOUNDATION SHERATON IMPERIAL HOTEL RESEARCH TRIANGLE PARK OCTOBER 25, 2001

President Phillips opened the meeting at 9:10 AM. Members present were Dr. Richard Phillips, Mr. Ben Groce, Ms. Kathy Hart, Assistant Treasurer, Mr. Thomas Miller, and Dr. Richard Thomas, Secretary.

A motion was made by Mr. Miller to accept the minutes from the previous meeting. After a second by Mr. Groce, the minutes were accepted.

Ms. Kathy Hart, Treasurer of the Foundation, reported the following summary of investments for the period ending June 30, 2001:

Operating Funds	Market Value
Common Short Term Fund	\$842,227
Intermediate Term Fund	\$594,693
Total Operating Funds	\$1,436,920
Endowment Funds	
NC State Investment Fund	\$6,444,350
Centennial Venture Partners	\$153,230
Total Endowment Funds	\$6,597,580

Ms. Hart also reported that through June 30, 2001 the return from the Short Term Fund was 6.1%, from the Intermediate Fund 8.8% and a negative 3.9% from the Endowment Fund.

Ms. Hart proposed that the Foundation reduce distributions from the Endowment Fund from the current 5% to 4.85%. After some discussion Mr. Miller proposed that the Investment Committee recommend this change to the Board of Directors. After a second by Dr. Phillips the motion passed. A second proposed recommendation to the Board of Directors to change the accounting system from the present accrual method to a modified cash system was moved by Mr. Miller. seconded by Mr. Groce and passed.

With no further business the Committee adjourned at 9:30 AM.

Respectfully submitted.

Dr. Richard Thomas Secretary

Dr. Richard Phillips President

Approved.

MINUTES BOARD OF DIRECTORS ORGANIZATION MEETING PULP AND PAPER FOUNDATION. INC. SHERATON IMPERIAL HOTEL RESEARCH TRIANGLE PARK **OCTOBER 26, 2001**

The Organization Meeting of the new Board of Directors was called to order by President Phillips.

Mr. Robert Harrison, substituting for Mr. Jerry Ballengee, Past President and Chairman of the Nominating Committee presented the following nominees for the indicated offices:

President	Mr. A. Ben Groce, Jr.
Vice President	Mr. B. Robert Harley
2nd Vice President	Mr. Jim Bowen
Treasurer	Ms. Kathy Hart
Assistant Treasurer	Mr. George Worsley

After a motion and second, a unanimous vote to accept the nominees for the indicated offices was made.

Mr. Harrison then proposed the following individuals as members of the Executive Committee:

> Mr. A. Ben Groce, Jr. Mr. B. Robert Harley Mr. Jim Bowen Mr. Thomas Miller Mr. Terry Burns

A motion to accept the nominees to comprise the Board of Directors was made, seconded, and approved unanimously.

Chairman of the below listed standing committees were named as follows:

Investment	Mr. A. Ben Groce, Jr.
Nominating	Dr. Richard Phillips
Curriculum	Mr. Ron Estridge
Student Recruitment	Mr. John McClendon
Scholarship	Mr. Robert Harley
Summer Employment	Mr. F. Gray Carter
Equipment and Technology	Dr. Ronnie Hise
Development	Mrs. Kathy Buckman Davis
Membership	Mr. Asa Hardison, Chair
	Mr. Charles Rogers, Co-chair

There being no further business, President Phillips adjourned the meeting.

Respectfully submitted.

Approved.

Dr. Richard Thomas Secretary

Dr. Richard Phillips President

MINUTES BOARD OF DIRECTORS PULP AND PAPER FOUNDATION SHERATON IMPERIAL HOTEL RESEARCH TRIANGLE PARK **OCTOBER 25, 2001**

President Richard Phillips opened the meeting at 10.20 a.m. He reminded everyone to review the anti-trust statement in the packet of information provided all attendees.

Dr. Richard Thomas, Secretary, requested that attendees sign the attendance list. Those present were:

John Adeimy	B. Robert Harley
David Ashcraft	Kathy Hart
Jim Bowen	Dwayne H. Hinkie
Chris Broomhead	Ronnie Hise
Terry Burns	Jack Holder
F. Gray Carter	John Holland
Ben Chilton	Jay Miele
Katherine Buckman Davis	Thomas F. Miller
Robert A. Feeser	Larry Nielsen
Tom Freeland	L. Kirk Semke
A. Ben Groce, Jr.	Richard Thomas
Asa D. Hardison	Richard Phillips

After self introductions, the minutes from last years meeting, as printed in the 2001 Annual Report were approved.

The new Dean of the College of Natural Resources, Dr. Larry Nielsen, presented an overview of the College. Although the State of North Carolina reduced the College budget, he indicated that overall the news was good. Planning has begun on an addition to Jordan Hall that will have an assignable 30,000 square feet of space. Also, Chancellor Fox has recognized the excellence of the Pulp and Paper Program and indicated her strong support of the program. Dean Nielsen then praised the faculty for their overall technical excellence, their commitment to teaching, and their cooperative nature.

Ms. Kathy Hart, Treasurer of the Foundation, reported that for the 2000/01 fiscal year the return on the Endowment Fund was a negative 3.9%. However, the overall value of the Endowment Fund increased from \$6,465,325 to \$6,597,580 because of increased gifts (endowments, memberships, etc.), The short term fund was up 6.10% and the Intermediate Cash Fund was up 8.8%. A motion by Mr. Groce to accept the Treasurer's report was made. After a second by Mr. Miller the motion carried unanimously. Ms. Hart then presented to the Board a recommendation from the Investment Committee to change the Foundation's accounting system from the current Accrual method to a Modified Cash Basis. After a short discussion, Dr. Semke made a motion to accept the recommendation. Mr. Miller seconded the motion which carried by an unanimous vote. Ms. Hart then presented a second recommendation from the Investment Committee. The Committee proposed that the 5% limit on fund withdrawal from the endowment fund be reduced to 4.85%. Dr. Semke moved that the recommendation be approved. Mr. Harley seconded the motion which then passed unanimously.

Dr. Michael Kocurek, Department Head, distributed the 2001 Pulp and Paper Program Annual Report. He discussed enrollment, the need for a significant increase in the endowment fund. He also stated that the Department has begun the process of ABET accreditation for the pulp and paper program as a General Engineering program. This would then permit changing the name of the Pulp and paper Science and Technology program to Pulp and Paper Engineering. He further noted that the program badly needs a materials science teaching laboratory.

David Ashcraft, Associate Director of the Foundation reported that eight new endowments were established during the past year. He also stated that the Endowment Fund showed an increase of 7.9% over the past year. The increase was due primarily to the addition of new money.

Mr. Bill Rogers, reporting for the Membership Committee said that they did not meet the goals set last year. However they did add nine new members and upgrades as well as seven new life members. The Committee is considering a revised plan for recruiting new members.

Mr. Ben Chilton, Executive Director, proposed several amendments to the 2000/2001 budget. They were \$10,000 in increased salaries for the Foundation office, \$10,000 to eliminate a deficit that resulted from anticipated funds not forthcoming, a \$5,000 increase in the Margin of Excellence Fund, and \$20,000 to the University Foundation office to assist in financing the upcoming University Fund Raising Campaign. After a motion by Mr. Harley and a second by Mr. Feeser, the motion to approve the budget amendments passed unanimously.

Mr. Chilton then presented, for approval, the budget for the 2002/2003 fiscal year. His proposal included an additional \$20,000 for the University Fund Raising Campaign. After a motion to accept the proposed budget by Mr. Harrison and a second by Mr. Freeland a unanimous vote in favor was cast.

Mr. Bob Harrison, substituting for Mr. Jerry Ballengee, read the names of the nominees for the Board of Directors, Class of 2005. They are: Mr. Chris Broomhead, Mr. Mike Edwards, Mr. F. Gray Carter, Mr. Ronnie Hise, Mr. John Holland, Mr. Jay Miele, and Dr. L. Kirk Semke. Mr. Robert Harley was nominated to fill an unexpired term for the Class of 2003.

There being no further business, President Phillips called for a motion to adjourn. The motion was made and the meeting adjourned at 12:00 pm.

Respectfully submitted,

Approved,

Dr. Richard Thomas Secretary Dr. Richard Phillips President

MINUTES EXECUTIVE COMMITTEE PULP AND PAPER FOUNDATION SHERATON IMPERIAL HOTEL RESEARCH TRIANGLE PARK OCTOBER 25, 2001

At 7:00 AM Dr. Phillips called the Executive Committee meeting to order and reminded everyone of the antitrust policy. Present were Dr. Richard Phillips, Mr. Ben Groce, Mr. Thomas Miller, Mr. Robert Harley, Dean Larry Nielsen, Dr. Michael Korcurek, Mr. David Ascraft, Mr. Ben Chilton, Mr. David Anderson, and Dr. Richard Thomas.

Dean Nielsen discussed the impact of budget cuts mandated by the State. A permanent cut of \$190,000 has been imposed on the College. Also, it appears that a onetime cut of 4%, about \$250,000 will occur. A wing will be added to Jordan Hall with an assignable space of 30,000 square feet. He also indicated the beginning of a University Capital Campaign. The Colleges goal, over the next seven years is \$25 million. The Dean also commented on the rapidly increasing tuition charges, especially for the out-of-state students. In order to remain competitive for outstanding students, scholarship amounts must be increased.

Mr. Ben Chilton indicated that current funding is adequate, but is concerned about the future in view of the number of mergers that are occurring. He stated that 8 new endowments were established last year and 3 this year. He revealed that the University had embarked upon a Capital Campaign with a goal of \$750 million over the next ten years. The College's goal is \$25 million. The campaign is currently in a three year silent phase. Noting the continued weakness of the College's public and alumni relations, he revealed plans for adding personnel to the College Foundation Office to address these problems.

Mr. David Anderson from the University Foundation Office discussed plans for the University's Capital Campaign. To help fund the costs of such a campaign, he asked that the Pulp and Paper Foundation provide \$23,400 per year throughout the campaign. After discussion Mr. Harley moved that the Foundation provide \$20,000 per year for the next five years, subject to annual review. After a second by Mr. Miller the motion passed. Dr. Michael Korcurek summarized departmental highlights. He indicated that he would discuss departmental programs in detail at the General Session.

Mr. David Ascraft announced that the Endowment fund increased this past year despite the 3.9% loss in equities. Increases in the Short Term and Intermediate Term as well as a significant increase in new endowment funds more than offset equity losses.

Mr. Chilton asked the Committee to add \$10,000 to the current budget o remove a deficit created by promised money not forthcoming. Mr. Miller proposed that the Committee authorize this request. After a second by Mr. Harley, the motion passed.

Dean Larry Nielsen presented the 2002/03 budget. A motion was made and approved to present the budget to the Board of Directors for approval.

Respectfully submitted, Approved,

Dr. Richard Thomas Secretary Dr. Richard Phillips President

Foundation Past Presidents



E.J. Gayner, III* 1955 -1957



H.Y. Charbonnier* 1965 - 1967



M.L. Boinest, Jr.* 1973 - 1975



Daniel O. Adams 1983 - 1985



Joe K. Donald 1993 – 1995



Dwight Thomson 1957 -1959



E.H. Graves* 1967 -1967



H.M. Reed, Jr. 1975 - 1977



D.L. Ashcraft 1985 - 1987



Ted A. Owens 1995 - 1997



Sture G. Olsson 1959 - 1961



R.E. Phinney* 1967 - 1969



L.H. Camp* 1977 - 1979



J. Robert Carpenter 1987 - 1989



Jerry H. Ballengee 1997 - 1999



Charles S. Huestis* 1952 - 1955



R.J. Leahy* 1969 - 1971



C.C. Peters 1979 - 1981



J. Carter Fox 1989 - 1991



Richard B. Phillips 1999-2001



Charles E. Hartford* 1961 - 1963



F.B. Schelhorn 1971 -1973



J.M. Piette 1981 -1983



Robert C. Harrison 1991 - 1993

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