

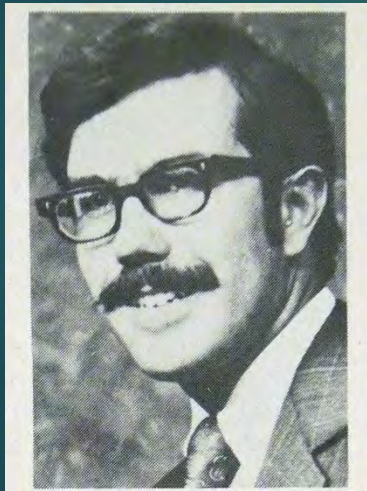
Fellows History

- ▶ February 1966 – The Executive Committee authorized the establishment of division awards and TAPPI Fellows
- ▶ June 1967 – Criteria for the Fellows designation is published and nominations called for
- ▶ September 1967 – 9 TAPPI Fellows are approved by the Board of Directors
- ▶ February 1968 – The first class of Fellows is recognized at the 53rd TAPPI Annual Meeting held at the New York Hilton Hotel
- ▶ In addition, 65 past board members, major award winners, and presidents were granted Fellow status

Longest Fellowship in Attendance



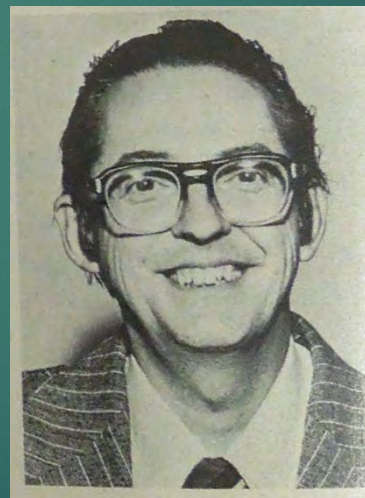
Tom Myers – 1978



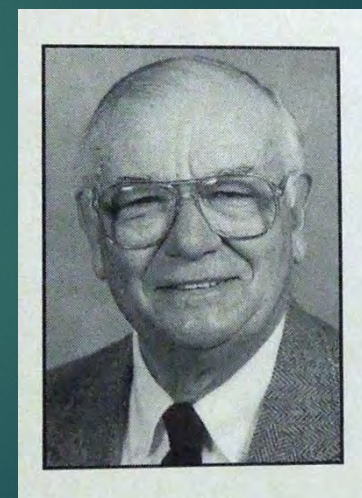
Chuck Klass – 1984



William Smith - 1984



Norman Heberer - 1989



1968 – First Class of Fellows

Note that Jasper Mardon and Ervin Kurth were absent from photos



New TAPPI Fellows (left to right): J. N. McGovern, Parsons & Whittemore, Inc., New York, N. Y.; G. E. Shaad, General Electric Co., Schenectady, N. Y.; C. G. Morse, Sealright Co., Kansas City, Mo.; and F. A. Simmonds, U. S. Forest Products Laboratory, Madison, Wis.



Left to right: H. F. Rance, Wiggins, Teape & Co., England, Miss R. M. Karapetoff Cobb, Lowe Paper Co., Ridgefield, N. J.; and P. E. Nethercut, Executive Secretary, TAPPI, New York, N. Y. Not shown are J. Mardon, MacMillan, Bloedel & Powell River Co., B. C., Canada, and E. F. Hurth, Oregon State University, Corvallis, Ore.

“TAPPI Fellow” is a new designation established several months ago to honor members who have contributed meritorious service to the Association or to the paper industry.

1968 – Past distinguished members inducted



President Aiken addresses a distinguished gathering of TAPPI Medalists, past TAPPI presidents and directors at a special ceremony during which this group was awarded Fellow Certificates.

1969

Six TAPPI members became Fellows at the special Awards Ceremony on Wednesday morning (a seventh, Truman A. Pascoe, died shortly after approval last fall).

From left to right are C. Edwin Brandon, Robert B. Hobbs, Richard S. Hunter, Stanley G. Mason, Vivian T. Stannett, and William R. Willets.

Biographical information on these seven Fellows was presented in the January issue, p. 150.



1970



This year's group of TAPPI Fellows, from five different countries, was notable for diversity of service. Photo shows eight of ten selected by the TAPPI Board (G. Gavelin and W. W. Pesch could not attend) along with three retiring TAPPI Directors and the 1970 TAPPI Medalist. Standing, l. to r.: A. W. Neubauer, Crown Zellerbach Corp.; retiring TAPPI Directors C. A. Richardson and R. W. Peters; T. N. Kleinert, consultant, Pointe Claire, Que.; Medalist B. K. Steenberg; retiring TAPPI Director H. A. Smith; and H. H. Murray of Georgia Kaolin Co. Seated, l. to r.: A. W. Wilson of *Pulp and Paper Magazine*; A. Tirado A., first ATCP president; P. Bersano, president of the Italian ATICELCA; E. C. Jahn, executive secretary of ESPRA; and T. W. Lashof of the National Bureau of Standards.

1971



Bottom left: selected as TAPPI Fellows are (left to right): Seated, G. G. Maltenfort, W. H. Rapson, R. R. Fuller, H. S. Gardner, and C. A. Lee; Standing, F. Judt, (representing Walter Brecht and Georg Jayme) J. G. Strange, Bengt Leopold, D. T. Jackson, Ferdinand Kraft, and R. H. Hagemeyer. Not shown is A. H. Nissan.

1972



TAPPI Fellows for 1972 (from left): R. M. Dorland, Douglas Jones, P. H. West, J. C. F. C. Richter, J. E. Wilber, M. L. Taylor, Wilfred Gallay, J. C. W. Evans, R. P. Whitney, and P. J. Thoma. Not in photo is J. R. Salvesen.

1973

Honored as TAPPI Fellows: *(front row, from left)* E. N. Ross, B. L. Shera, Mrs. J. Parker (accepting the Fellow certificate honoring her late husband), P. B. Wahlstrom, O. L. Forgacs; *(second row, from left)* P. C. Baldwin, G. W. Mead II, J. W. Swanson, H. B. Harris, Jr., B. J. Zobel, L. G. Stockman, and Waldemar Jensen.



1975



TAPPI FELLOWS. Seated, from left: **W. M. Hearon** of Boise Cascade Co., **Douglas Atack** of the Pulp and Paper Research Institute of Canada, **G. K. Hunger** of the Westvaco Research Center, **A. T. Luey** of the Boxboard Research and Development Association, **A. W. Plummer** of The Chesapeake Corporation of Virginia, **Isaiah Gellman** of the National Council of the Paper Industry for Air and Stream Improvement. Standing, from left: **E. L. Ellwood** of North Carolina State University, **R. J. Farrell** of the Austin Co., **J. P. Casey** of the Marschall Division Miles Laboratory, **H. J. Connell** of the S. D. Warren Division of Scott Paper Co., **E. J. Justus** of The Beloit Corp., **Max Rutishauser** of Cellulose Attisholz AG.

Fellows Trivia

- ▶ Class sizes varied greatly over the last 50 years
 - ▶ The smallest classes were in 1969, 1973, and 1981 with 7 inductees each
 - ▶ Note that in 1969 only 6 actually were inducted due to the death of one member before the awards were given
 - ▶ The largest classes were in 1988 and 1989 with 27 inductees each

1976



TAPPI FELLOWS. Designated TAPPI Fellow at the Awards Ceremony of the 1976 Annual Meeting were, *from left (seated):* **S. G. Holt** of Consolidated Papers, **R. F. Vokes** of Black Clawson Co., **R. C. Stamm** of Westvaco Corp., **D. H. Page** of the Pulp and Paper Research Institute of Canada, **P. R. Kinsey** of Federal Paperboard Corp. *Standing, from left:* **R. C. McKee** of the Institute of Paper Chemistry, **G. T. Renegar** of Container Corporation of America, **R. J. Auchter** of the U.S. Forest Products Laboratory, **C. W. Cairns** of Dow Chemical Co., **R. W. Brown** of Hammermill Paper Co., **W. O. Kroeschell** of Continental Can Co., and **J. Poyry** of Jaakko Poyry and Co.

1977



TAPPI Fellows: Designated as TAPPI Fellows at the Awards Ceremony of the 1977 Annual Meeting were, *from left (seated):* **K. R. Martin** of Hoerner Waldorf Corp., **S. T. Han** of the Institute of Paper Chemistry, **E. Strazdins** of American Cyanamid Co., **A. J. Felton** of Black Clawson Co., **J. D. Wethern** of Brunswick Pulp and Paper Co., and **G. G. Copeland** of Copeland Systems. *Standing, from left:* **R. A. Leask** of Ontario Paper Co., **H. W. Giertz** of the Technical University of Norway, **R. R. Chase** of Union Camp Corp., **R. J. Seidl** of Simpson-Lee Paper Co., **J. P. Brezinski** of the Institute of Paper Chemistry, **W. C. Rutledge** of The Mead Corp., and **H. W. Gehm** of Wapora.

1978



J. E. Atchison
Joseph E. Atchison



J. S. Barton
Crown Zellerbach



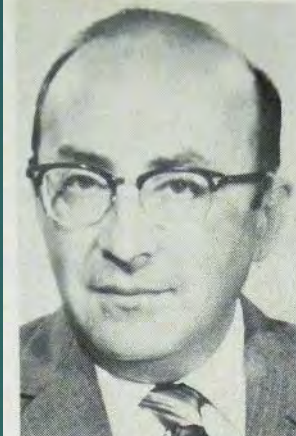
T. W. Busch
NCR, Appleton Papers



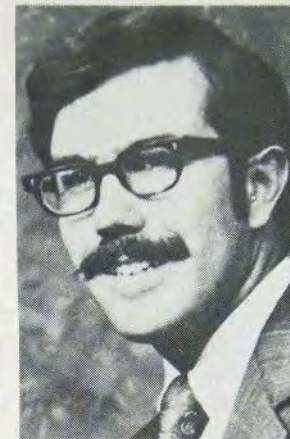
M. H. Hecht
S&S Corrugated
Paper Machinery



C. A. Jentzen
Westvaco



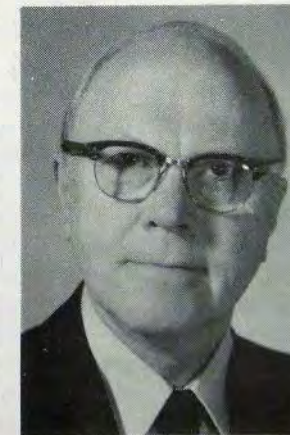
J. Marton
Westvaco



W. T. Myers
St. Regis Paper



W. C. Walker
Westvaco



W. A. Wink
IPC (retired)

1979



*TAPPI Fellows. Meritorious service to the Association and the Industry by eight members earned them the distinction of TAPPI Fellow. From left: **R. L. Miller** of St. Regis Paper, **V. A. Russo** of Scott Paper, **R. G. Hitchings** of N.C. State University, **G. L. Booth** of Black Clawson Overseas, **E. Back** of STFI, **G. F. Underhay**, retired from Bowater U.K., and **T. O. Norris** of Nekoosa Papers. Not shown is R. W. Hisey of Continental Forest Industries.*

1980



TAPPI Fellows. Twelve members who have contributed meritorious service to the industry or the Association were honored with the designation of TAPPI Fellow at the Annual Meeting. Seated, from left: **W.J. Bublitz** of Oregon State University, **L.J. Wood** of National Starch and Chemical Corp., **M.V. Merchant** of Monsanto Plastics and Resins Co., **R.A. Joss** of CPPA, and **T.G. Zentner** of Olinkraft, Inc. Standing, from left: **P.J. Kleppe** of M. Peterson & Sons, **J.W. Gilbert** of International Paper Co. (retired), **H.A. Birdsall** of Western Electric Co. (retired), **R.P. Derrick** of Simons Eastern, **R.S. Bender** of Appleton Machine Co., **W.L. Cullison** of TAPPI, **J.M. Vaughan** of Inland Container Corp., and TAPPI President **W.O. Kroeschell**, who made the award presentations.

1981



Peter Wrist, Past President and Chairman of the Fellows Committee (far left), and Past President **Bill Kroeschell** congratulate new TAPPI Fellows (from left, facing Kroeschell) **Lance Crosby**, **Douglas Wahren**, **Lothar Goettsching**, **Bill Trice**, **Dan Adams**, and **Don Gilmore**. New Fellows **Nils Hartler** and **Kyosti Sarkanen** were unable to attend the Annual Meeting.

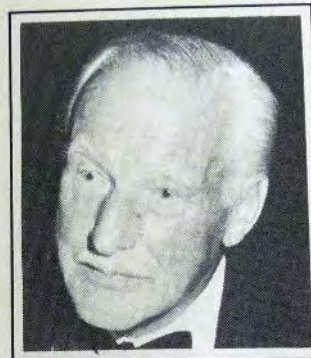
Fellows Trivia

- ▶ The Fellows organization consists of
 - ▶ 696 total members
 - ▶ 17 countries
 - ▶ 539 members from the USA
 - ▶ 157 members from the other countries
 - ▶ Canada has the largest number of members outside the USA with 62 followed by Sweden with 24

1982



Brown



Kilpper



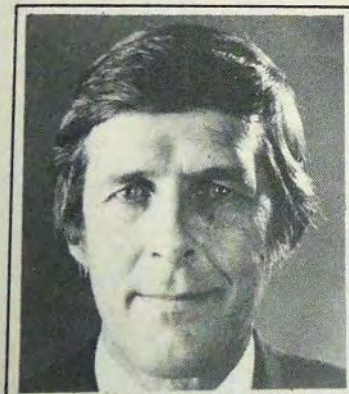
Lehtinen



Marton



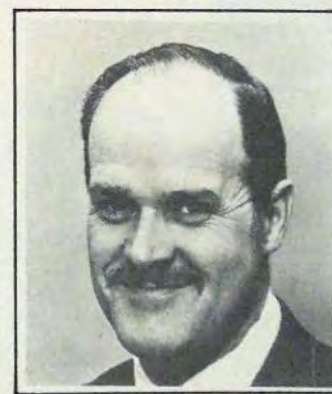
Myers



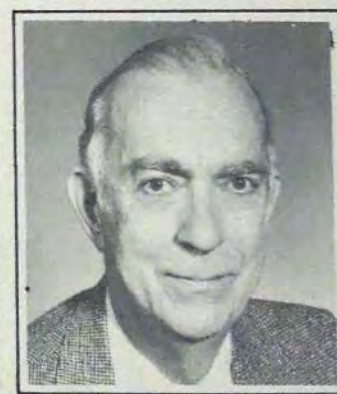
Nikkel



Pearson



Ramsdell



Tasman

1984

TAPPI names 14 Fellows

W. F. Bachelder

W. F. (Fred) Bachelder, President of Testing Machines, Inc. in Amityville, N.Y., and of Testing Machines International of Canada and TMI Wesum, has been named a TAPPI Fellow for his nearly four decades of leadership in industry and the Association, and particularly for his role in developing and advocating test methods for quality control of processes and products.

The author of several papers on testing methodology and instrumentation, Mr. Bachelder has addressed many industry meetings and advised a number of national and international organizations about test methods. He has presented a short course in quality control at Sophia University in Tokyo, Japan, and in 1961-62 was a member of a 3-man team which helped Israel establish the means for increasing quality control, standardization, and education in product improvement.

A TAPPI member since 1946, Mr. Bachelder has played a leading role in the Testing Division and Corrugated Containers Division, having served as Chairman of the Fibreboard Shipping Container Testing Committee and the Testing Division's Paper and Paperboard Group, as well as a member of the Paperboard Testing Committee and the NBS Collaborative Reference Program Committee. He has held similar positions of responsibility in the American Society for Testing and Materials, the Technical Section of the Canadian Pulp and Paper Association, and the Packaging Institute.

In 1981 he was elected to a 3-year term of office on the TAPPI Board of Directors. During that time, he also served on the Board's Annual Meeting, Finance, Member Relations, and Publications Committee and as Vice Chairman of the newly established Test Methods Management Committee.



Richard Barker

Richard G. Barker, Laboratory Director of Corporate Research and Development of Union Camp Corp. in Princeton, N.J., has been named a TAPPI Fellow for his contributions to pulping and bleaching technology and for the role he has played in disseminating information about process and product advances throughout the industry.

Since he joined the research staff of Union Camp's Pulping Group in 1962, Dr. Barker has distinguished himself as a scientist and as a research and development manager. The author of some 10 publications on pulping, bleaching, and by-products, he holds six patents, primarily related to polysulfide pulping.

A TAPPI member since 1963, he has played a leading role in the Alkaline Pulping Committee of the Pulp Manufacture Division and has helped develop strong programs for a number of TAPPI Pulping Conferences, serving as Technical Program Chairman for two of these conferences. He has reported on his work at several of these conferences and at the TAPPI Annual Meeting. He has served as Chairman of the Research Management Committee and participated in the APT



TAPPI FELLOWS Jan Bergström

Jan I. Bergström, Vice President—Research and Development of Paper Machine Group, Bofors Corp. in Beloit, Wis., has been named a TAPPI Fellow for his innovations in equipment and manufacturing practices which mills around the world now profit from using.

A preeminent scientist and engineer, Mr. Bergström has provided the mathematical basis for computer control of stone grinders, demonstrated the importance of venting the back side of wet press felts, led the early systematic development of plate design for chip refiners, pioneered in the development and commercialization of stratified flow technology, helped bring about major breakthroughs in wet pressing, and has made major contributions to stratified flow forming of linerboard, to twin-wire forming, and to the improvement and evaluation of newsprint properties.

He has carried his wide-ranging scientific investigations from theory to laboratory, from design and engineering to full-scale projects, from startup and troubleshooting to eventual commercial success. He holds a number of patents and is the author of numerous papers, many of which are still being cited as classics in their particular fields.



Bernard Burgess

Bernard W. Burgess, President and Chief Executive Officer of the Pulp and Paper Research Institute of Canada in Pointe Claire, Quebec, has been named a TAPPI Fellow for his work in kraft digester corrosion control and for his innovations in drying.

As a scientist and research manager, Mr. Burgess holds a patent for a process and apparatus for continuous drying of web materials, and one on a turbulent drying process. He headed the research on drying methods which led to the development of a new concept in drying. His leadership in research and development for nearly four decades has had a profound impact on the progress in pulping and papermaking technology.

For some 10 years, he has served as a member or chairman of the CPPA-TAPPI Joint Textbook Committee. Mr. Burgess has chaired the Materials Science Panel of the Science Committee of NATO, the Advisory Council on Engineering of Queen's University, served on Queen's University's Executive Committee of the Board of Trustees, and is a member of the Technical Section of the Chemical Institute of Canada, the Association of Professional Engineers of Ontario, the Canadian Research Management Association, the Chamber of Commerce of the District of Montreal, and the Montreal Board of Trade.



Josef Gratzl

Josef S. Gratzl, Elis-Signe Olsson Professor of Pulp and Paper Science and Technology at North Carolina State University in Raleigh, and one of the world's leading experts in pulping and bleaching chemistry, has been named a TAPPI Fellow for his contributions to the fundamental knowledge of lignin reactions, the pulping process, and the use of oxygen and oxygen-derived compounds, anthraquinone pulping, color reversion of high-yield pulps, and lignin by-products.

Dr. Gratzl is the author or co-author of some 60 papers, and senior editor of "The Chemistry of Delignification with Oxygen, Ozonide, and Peroxides." He has frequently lectured by invitation at research institutes throughout the world, including institutes in Scandinavia, Western Europe, India, Japan, People's Republic of China, Czechoslovakia, Argentina, and Brazil.

He has organized and chaired international symposiums, presented papers at numerous conferences, and conducted seminars in the research laboratories of many companies. He has served as consultant to international agencies such as the IAEA, UNCTAD, and OAS Organization of American States.



TAPPI FELLOWS

John Hatton

John V. Hatton, Head of the Resource Evaluation Section of the Pulp and Paper Research Institute of Canada in Vancouver, B.C., and one of the world's foremost authorities on kraft pulping and the utilization of fiber resources, has been named a TAPPI Fellow for his research on the reclamation of fundamental fiber and wood properties to pulp and paper quality which has given industry much of the knowledge needed for successfully processing lower-grade fiber raw materials.

Dr. Hatton's mathematical analysis, which relates pulp yield to the chemical and physical energy applied in cooking, forms the basis of many digester control systems throughout the world. He has carried out the most extensive field investigation to date on outside chip storage in North America and has quantified the effects of chip quality on pulp yield and quality in the "Chip Quality Monograph," which has become the definitive source of information on this subject. He developed a novel wet and dry-strength resin for paper, for which he obtained a patent, and made major contributions to the development of a sequential chlorine dioxide-chlorine bleaching process, one which is now used extensively in the industry.

The author or co-author of over 110 papers, Dr. Hatton received the 1983 TAPPI Pulp Manufacture Division Award and the Johan C.F.C. Richter Prize for his professional achievements.

A TAPPI member since 1966, Dr. Hatton has participated in the Paper Synthesis Division and has played a leading role in the Pulp Bleaching Committee, Fiber Raw Material Supply Committee, and the annual conference of the Pulp Manufacture Division. He was appointed to the Editorial Board of *Pulp Journal* in 1980-1982.



Edward Heiser

Edward J. Heiser, Associate Scientist of Dow Chemical Co. in Midland, Mich., has been named a TAPPI Fellow for his outstanding contributions to coating technology. During the past three decades he has gained wide renown for his pioneering research and development work in latex binders for paper and board coatings, and plastic pigments. He holds three patents for coating containing plastic pigments and two patents related to coating methods.

To help industry profit from the results of his research, he has visited numerous coating mills to generate and disseminate information on the application and performance of these new coating materials. He has published widely on his work, and has presented seminars at Western Michigan University, Lough University, SUNY College of Environmental Science and Forestry, and a number of major paper companies. He has also lectured in Argentina, Brazil, Canada, Japan, and Sweden.

Mr. Heiser has played a leading role in the TAPPI Coating and Graphic Arts Division since he joined the Association in 1953. He has chaired the Coating and Binders Committees, Technical Forecasting Committee, and the Trade Group on Blade Coating Defects. He has been featured as a speaker or panelist at numerous Coating Conferences and Local Section meetings. Mr. Heiser has been a major contributor to three TAPPI monographs on synthetic binders and on paper coating pigments. For his professional achievements he received the 1977 TAPPI Coating and Graphic Arts Division Award and the Charles W. Engelhardt Medalion and Honorarium.



Walter Juckett

J. Walter Juckett, Board Chairman and Chief Executive Officer of Sandy Hill Corp. in Hudson Falls, N.Y., has been named a TAPPI Fellow for his dedicated service to the industry for more than five decades.

TAPPI FELLOWS

Internationally acclaimed engineer, innovator, entrepreneur, industry statesman, and leader in civic affairs, Dr. Juckett has helped develop and introduce such innovative equipment and processes as vacuum cylinder forming devices and wet-laid formers for nonwovens products. He was similarly instrumental in the design and building of papermaking machinery utilizing new roller bearings for operation in developing countries.

As an advisor to the governments and industry in a number of these developing countries, Dr. Juckett has helped establish the first commercial program for mill personnel in Mexico, the founding of the first Foreign Research Institute and startup of the first market pulp mill in India, installation of the first tissue mill in Puerto Rico, and the construction of the first paper mill in the Republic of Korea to manufacture currency paper and the development of a vocational education program in that country.

Since joining Sandy Hill in 1936, Dr. Juckett has occupied leading positions in over 30 business, educational, professional, and civic organizations, including directorships in Kenney, Inc., the Pulp and Paper Machinery Manufacturers Association, and the University of Maine Pulp and Paper Foundation. He has received a number of honors including the first Community Service Award of the Paper Industry Management Association. He joined TAPPI in 1930.



Charles Klass

Charles P. Klass, Vice President of Investing of America Ltd. in King of Prussia, Pa., has been named a TAPPI Fellow for his dedicated and innovative leadership in the Association, particularly in the Paper and Board Manufacture Division and in the Association's publishing program.

Mr. Klass's marketing expertise and deep concern for the professional advancement of the industry's technical men and women have made it possible to serve more effectively and to bring the benefits of TAPPI resources to segments of the industry that so far had lacked forums of their own.

Through his guidance and counsel, the Paper and Board Manufacture Division, its committees, and its annual Papermakers Conferences rapidly grew in size, scope, and stature. He has helped build the organizational structure and provided the concepts that now allow tissue manufacturers, newsprint mills, and all other papermakers around the world to look to TAPPI for the exchange of technical information, to solve operating problems, and to address the needs for long term research.

A TAPPI member since 1938, he has served as Secretary, Vice Chairman, and Chairman of the Paper and Board Manufacture Division, Technical Program and Conference Chairman of the Papermakers Conferences, a member of the Papermaking Additives Committee, the Paper Industry Paper-Related Committee, the Coating Process Committee, the Fostoria Paper-Related Committee, the Coating Process Committee, the Fostoria Paper-Related Committee, and of the Technical Operations Council. He has served on the Publications Committee of the TAPPI Board of Directors in 1977, 1981, 1982, and 1983. He chaired the Publications Committee of the Technical Operations Council in 1981-1983.



James McNamee

James F. McNamee, a consultant with offices in Pawtucket, R.I., and recently retired as Director of Technical Services of Stone-Webster Co. in Newton, Mass., has been named a TAPPI Fellow for his theoretical and practical work in pressing technology. His technical and scientific achievements have greatly helped in paving the way to high-speed papermaking. His exceptional ability to integrate theory and practice has benefited papermakers around the world.

Mr. McNamee initiated and directed the first dynamic testing of nip conditions on paper covers, which later became the basis for computer prediction of nip conditions in "pressing" presses. He determined and defined the chemical and processing mechanisms that cause deterioration of new matrices and processes research that led to the "selective absorption" theory. He initiated testing programs the results of which led to the development of new covers. His contributions to extend the life of stainless steel suction press roll covers. His contributions toward solving corrosion and environmental problems have kept the suction roll



1984 Continued

operations and on pressing and drying, and has developed or addressed several Papermakers Conferences, workshops, and overseas meetings.

Mr. McNamee became a TAPPI member in 1965. Since then he has played a leading role in the Paper and Board Manufacture Division, chairing the Division's Fourdrinier Committee in 1975-1976. For his outstanding contributions to papermaking technology, he received the 1981 TAPPI Paper and Board Manufacture Division Award and the Harris O. Ware Prize.

Ronald Slinn

Ronald J. Slinn, Vice President, Pulp, Materials and Technology, of the American Paper Institute (API) in New York, N.Y., has been named a TAPPI Fellow for providing exemplary leadership to the pulp, paper, and converting industry. His representation of the industry as a senior API official at various forums has materially benefited the whole industry. His unique understanding of domestic and international fiber markets and his leadership in the development and interpretation of data have greatly helped to effectively chart the industry's course through difficult years.

Dr. Slinn developed a statistical basis for monitoring energy use in the paper industry; he has subsequently analyzed trends and patterns, and reported them to government, the public, and scientific and industry audiences. He has also effectively represented the industry's interests to government and its agencies on a number of energy and resource issues. In promoting education and human resource development, he has been influential in bringing together leading members of academia and industry to the mutual benefit of both.

Dr. Slinn has been active on several TAPPI committees, including the Future Technical Needs and Trends Committee and the API-TAPPI American National Standards Institute Committee on Pulp, Paper & Paperboard. He has provided executive staff support to the joint API-TAPPI Research Liaison Committee to the U.S. Forest Products Laboratory, on which he now serves as a member. His presentations have been featured at numerous TAPPI conferences and at sister association meetings overseas. He regularly contributes papers to *Tappi Journal* and other publications.



William Smith

William E. Smith, employed by the Sonoco Products Company's Paper Division in Hartsville, S.C., has been named a TAPPI Fellow for his substantial contributions to pulping, papermaking, and converting technology.

Dr. Smith's studies of the fundamental properties of fibers and his research in secondary fiber utilization have led to innovative and more economical manufacturing techniques and higher-quality products. His pursuit of the concept that fibers should be used selectively to make specific contributions to the end product eventually resulted in the first commercially successful fiber fractionator system, which was installed in the Hartsville mill several years ago.

Elected to the TAPPI Board of Directors in 1981, Dr. Smith joined the Association in 1962. He helped develop technical programs of the Paper Physics Committee and was Chairman of the Southeastern Section. He also served as Vice Chairman of TAPPI's Secondary Fiber Pulping Committee and as Chairman of the subcommittee on secondary fiber utilization in containerboard grades. He



Benjamin Solitrenick

Benjamin Solitrenick, Corporate Technical Director of Companhia Suzano de Papel e Celulose (CSPC) and its associated companies (Industria de Papel Leon Peffer/Rio Verde) in Sao Paulo, Brazil, has been named a TAPPI Fellow for the role he has played in advancing pulp and papermaking technology and in expanding the Brazilian pulp and paper industry.

Mr. Solitrenick pioneered in developing eucalyptus pulping and in establishing research programs and technical organizations on the national and international level. He invented and brought to commercial success a process to produce liquid sulfur dioxide for pulp bleaching, using by-product sodium sulfate in kraft mill recovery. He directed the design, construction, startup, and management of Brazil's first bleached eucalyptus kraft mill and was instrumental in making it possible to use 100% eucalyptus pulp in the manufacture of paperboard as well as writing and printing grades, including machine-coated papers.

As an industry statesman, Mr. Solitrenick has helped forge a crucial technical link between industry, research institutes, technical associations, and government agencies, thus effectively promoting research, industrial development, and the professional competence of technical men and women.

He is a founding member and one of the first presidents of the Technical Association of the Brazilian Pulp and Paper Industry (ABCP) and of the Technical Center of Pulp and Paper (CTCP) of the Sao Paulo State Technological Research Institute (IPT). As a leader in the National Association of Pulp and Paper Manufacturers (ANFPC) he developed an information system for conserving and replacing fossil fuel that was accepted by the government for the entire Brazilian industry.

In 1981 he received the Medal of the Ipiranga Order, the highest honor that can be bestowed by the Sao Paulo State Government. He has been his company's TAPPI Sustaining Member representative since 1965. He is also a member of the CPPA Technical Section, APPITA, and PIMA, an honorary member of the Spanish Paper Institute, and an active member of the Institute of Paper Conservation (London) and the International Association of Paper Historians (Switzerland).



Paul Waite

Paul M. Waite, Vice President and General Manager of Allied Paper Co., Allied Coated Products, SCM Corp., in Phoenixville, Pa., has been named a TAPPI Fellow for helping TAPPI's Local Sections and 14 student chapters make the Association a major educational force in the world's pulp, paper, and converting industry.

He has played a leading role in TAPPI and its Local Sections since he joined the Association in 1967. His expertise in technical management and his work in the Association in 1967. His expertise in technical management and his work in environmental control technology, on which he presented several papers at Local Section meetings and the Environmental Conference, made him a valuable member on the Waste Treatment Committee of the Environmental Division. He served on the Executive Committee of the Gulf Coast Section for five years and served as the Section's chairman for one.

In 1981 he was elected to the TAPPI Board of Directors and was appointed Vice Chairman of the Local Section Operations Council. Since then he has been appointed by the TAPPI President to the Board's Honors Committee and has served as LSOC Chairman for two years.

Mr. Waite joined Allied Paper Co. in Jackson, Ala., as a process engineer in 1964. In 1965 he was promoted to technical director and, in 1981, to his present position.



TAPPI names 13 Fellows

H.R. Amberg

Herman R. Amberg is director of the Environmental Services Division of Crown Zellerbach Corp., Canas, Wash.

As a researcher and industry statesman, Dr. Amberg has played a key role in the great success of the pulp and paper industry's environmental methods for air and water pollution abatement and championed their acceptance by industry and government. Through his research he has made major contributions to science and engineering in such areas as by-product utilization, the treatment, handling, and recovery of spent sulfite liquor, the treatment and re-use of white water, emission control in kraft mills, and pulp and paper mill sludge disposal. At the same time he served on numerous regional and national advisory groups, energetically promoting the formulation of practical environmental control standards. For his professional achievements he has been honored by TAPPI with the Environmental Division Award, as well as by the Pacific Northwest Pollution Control Association and Sigma Xi, the honorary research society.

Dr. Amberg joined Crown Zellerbach in 1956, after working for the National Council for Air and Stream Improvement (NCASI) at Oregon State University, where he began his wide ranging studies related to the utilization of pulp mill waste materials. The author or co-author of over 50 publications, he obtained a B.S. degree from Syracuse University and M.S. and Ph.D. degrees from Rutgers University.

He became a TAPPI member in 1952, and he has participated in and presented papers at many conferences. For 2 years he served on the Association's Future Technical Needs and Trends Committee. Dr. Amberg currently serves on the NCASI Research and Operating Committee, the Washington State Right to Know Advisory Council, and the Board of Trustees of the Northwest Pulp and Paper Association. He is also a member of the New York Academy of Science, the American Institute for the Advancement of Science, and several professional associations. He is a Fellow of the American Institute of Chemists.

J.G. Bergomi

Joseph G. Bergomi, Jr., is senior vice president of Thilmann Pulp & Paper Co., Kaukauna, Wis.

Mr. Bergomi's distinguished career in the pulp and paper industry has been punctuated by his contributions to coating technology and his achievements as a research and business manager. At the same time, he has played a leading role in TAPPI and other organizations to promote the professional development of the industry's technical men and women. He joined Thilmann as technical director in 1973, later being appointed vice president—planning and technology and then vice president—operations. He assumed his current position in 1980. He came to Thilmann from Monsanto Co., where he had worked for 8 years as research specialist, senior research group leader, and then as senior project manager—commercial development. Prior to his affiliation with Monsanto, he had been project supervisor—research with P.H. Glatfelter Co. and, before that, research scientist with Oxford Paper Co.

The author of several technical papers related to coating research, he holds a B.S. degree in chemical engineering from the University of Maine, a Five-Year Certificate in Pulp and Paper Management, an M.S. degree from the Institute of Paper Chemistry, and an M.B.A. degree from Washington University.

A TAPPI member since 1956, he provided leadership especially in the Coating and Graphic Arts Division and, in 1982, was elected to a 3-year term of office on the Association's Board of Directors. As a director, he has served on the Board's Public Relations and Member Relations Committees, the Executive Committee, and the Investment Advisory Committee. In 1983 he was appointed chairman of the Finance Committee, which oversees the Association's \$6 million operating budget. His current and past activities in other organizations include the Project Advisory Committee of the Institute of Paper Chemistry, Alumni Association of the Institute of Paper Chemistry (chairman), and the Academic Advisory Committee of the Pulp and Paper Foundation at the University of Wisconsin—Stevens Point (director and chairman). He was elected to Phi Kappa Phi and Beta Gamma Sigma.

TAPPI Fellows continued

T. S. Greiner

Thomas S. Greiner is management policy advisor of Jagenberg Inc., in Enfield, Conn., and Jagenberg AG in Duesseldorf, West Germany.

Mr. Greiner has distinguished himself through his efforts these past two decades to increase the efficiency of the industry's finishing and converting operations. An authority on finishing and converting technology in both North America and Europe, he played a key role in developing TAPPI services and activities, directed at the technical men and women in finishing and converting plants. As author, speaker, and Association leader, he helped build a forum for papermakers, managers of converting plants, and suppliers of equipment to work in close cooperation in raising the quality of the industry's products.

With his guidance and inspiration, the TAPPI Paper Finishing and Converting Division grew from committee status into an organization which is the only one of its size and type in the world devoted to the professional needs of finishing and converting specialists. Mr. Greiner has been an officer, including chairman, of the Division for many years. Under his leadership, the Division's annual conferences quickly gained international recognition. He was honored by the Division with a Special Certificate of Appreciation in 1983.

Mr. Greiner established Jagenberg U.S.A. Inc., in 1961, becoming president of the company in 1965 and assuming his present position in 1980. He had previously worked for the American Paper & Pulp Co., Inc., traveling extensively in China, South Africa, Europe, and Latin America. He was educated in Vienna, Austria, and London, England. A TAPPI member since 1965, he has served on the Technical Operations Council, was appointed to the Board of Directors' Publications Committee, and has contributed numerous articles to *Tappi Journal*.

He is a past president of the U.S. Paper Exporters Council, a past chairman of the Association for Graphic Research and Analysis, and a member of the Paper Industry Management Association.

J.A. Histed

Jack Histed is a senior research associate at CIP Research Ltd., Hawkesbury, Ont., Canada.

Mr. Histed gained international recognition through his research and development efforts in bleaching technology. His work has made it possible for industry to use simpler bleaching methods, resulting in major savings in capital and operating costs. The simplified bleaching process developed by him is now being applied in over 10 bleacheries in North America. His studies have led to a reduction in effluents and to greater process and quality control in pulp bleaching. His methods for optical control of chlorination are now widely used in the industry. His research also resulted in the introduction of high temperature hypochlorite bleaching which has made possible much improved control for this bleaching stage. He holds several patents and has published over 20 papers on these improvements in bleaching processes. He is a major contributor to the TAPPI PRESS book "The Bleaching of Pulp," published in 1979. Mr. Histed has been honored for his professional achievements by the Technical Section of the Canadian Pulp and Paper Association (CPPA) with the Douglas Jones Award (1974) and the Weldon Medal (1983).

After graduating with Honors in Chemistry and Biology from McMaster University in 1953, he joined CIP Research as a research chemist, subsequently assuming the positions of group leader of specialty pulps and bleaching, then research associate, before being appointed to his current position.

A TAPPI member since 1967, he has played a leading role in the Pulp Bleaching Committee of the Pulp Manufacture Division, has presented papers at TAPPI Pulp Conferences, and has lectured at TAPPI seminars. He has participated as a member and chairman of the Program Committees of several International Pulp Bleaching Conferences. Mr. Histed is also active in the Technical Section of CPPA, especially in the Section's Bleaching Technology Development Committee.



TAPPI Fellows continued

C.H. Hornsby

Clarence H. Hornsby, Jr., is president and general manager of Bowater Carolina and vice-president and manager of Catawba Newsprint Co., Catawba, S.C.

Through his accomplishments as engineer, production and business manager, TAPPI division and committee officer, as well as a TAPPI director, Mr. Hornsby has become recognized as a leader in industry and the Association. He joined Bowater Carolina Co. in 1961 as groundwood superintendent. He was later named general superintendent-pulp and also served as manager of all manufacturing operations before he joined Bowater Carolina. He was elected to his present position in 1978. Before joining Bowater Carolina, he held a number of engineering and supervisory positions in North America, and he had the design and operational responsibility for a groundwood mill in which he developed and produced the first fully successful commercial groundwood from southern pine fiber for the production of No. 5 coated paper. In 1969, of what at that time was the world's largest newsprint machine.

He became a TAPPI member in 1965. His technical and managerial expertise helped build the Engineering Division into one of the Association's largest and most productive technical divisions, with attendance at the Division's annual Engineering Conferences regularly exceeding 1000. He has been chairman of the Division and of the Division's Engineering Economics and Management Committee. He has also served on the Technical Operations Council and the Editorial Board of *Tappi Journal*. In 1982 Mr. Hornsby was elected to a 3-year term of office on the TAPPI Board of Directors. As a director, he has served on the Board's Finance, Goals and Planning, Coordinating, and Executive Committees. In 1983 he was appointed chairman of the Board's Test Methods Management Committee.

A Professional Engineer, Mr. Hornsby graduated from Auburn University with a degree in mechanical engineering. He is also a graduate of the Harvard University Graduate School of Business Administration's Advanced Management Program.

For nearly 20 years he has been a member of the York County Commission for Technical Education, and for 6 of these years he was chairman of the Commission. He is currently a member of the College's Foundation. In 1983 he was appointed to a 3-year term on the South Carolina Board of Technical and Comprehensive Education. This board is responsible for the overall operation of 16 community colleges and schools. In 1983 and 1984 he served as a member of a blue ribbon committee chaired by the Governor of South Carolina, which developed and secured the enactment by the South Carolina Legislature of an "Educational Improvement Act" which the Rand Corporation has termed "the most comprehensive educational reform package in the country". He will have the opportunity to gauge the progress of this program since the Governor has asked him to serve on a joint committee which will monitor the act's implementation and progress.

G.D. Hughson

Geoffrey D. Hughson is vice president—planning and technology of CIP Inc., Montreal, Que., Canada, with responsibility for R&D, engineering and manufacturing services, major project management, environment, purchasing and traffic.

Mr. Hughson has helped bring about major innovations in pulping, bleaching, and papermaking. Author of a number of technical papers and development programs, these played a key role in CIP's highly successful research and development programs. These efforts resulted, for example, in the development of the sulfonated chemimechanical pulping process (SCMP), which produces high-strength pulp at a 90% yield with pulping process (SCMP), which produces high-strength pulp at a 90% yield with relatively low energy requirements and a low BOD effluent. CIP received the 1980 Environmental Award from the Chemical Institute of Canada for developing this process.

He joined CIP upon graduating from McGill University in 1949. After holding supervisory positions in engineering, manufacturing, and research and development, he became director of paper, mill and products, pulp, and packaging development. In 1963 he was appointed director of research of International Paper Co. in Glens Falls, N.Y., and in 1967, president of CIP Research Ltd. in Montreal. In 1971 he was named vice president—environment, and then vice president—engineering and environment. He assumed his present position in 1976.

continued



1985 Continued

Environmental Council of CPPA (chairman), American Management Association, Engineering Institute of Canada, Chemical Institute of Canada, and the Board of Governors of Ashbury College (chairman).

J.H. Kleinau

Jurgen H. Kleinau is marketing manager for Keeler/Dorr-Oliver Boiler Co., Williamsport, Penn.

Mr. Kleinau has been closely associated with technological advances in the industry's recovery operations, especially the development and application of fluidized-bed combustion systems. He is the author of a number of technical papers on this subject and on environmental control technology in secondary fiber pulping. He has reported on his work at TAPPI conferences and at other industry and scientific conferences in North America, Mexico, and Australia. At the same time, he has energetically promoted advances in technology through his leadership in TAPPI, particularly in the Association's Pulp Manufacture Division. His technical and managerial expertise were instrumental in building an effective, cohesive structure for that Division and its committees. Before his appointment as Division chairman, he had chaired the Secondary Fiber Pulping Committee and the Program Committees of the Deinking and the Secondary Fiber Pulping Conferences. At the 1972 Secondary Fiber Pulping Conference, he led the innovative and successful workshop sessions where an on-site computer was used at a conference for the first time. Similarly, he made major contributions to the TAPPI Technical Operations Council (TOC), both as a member of TOC and as chairman of the Council's Structure and Performance Committee.

A chemical engineering graduate of the Oskar-von-Miller Polytechnikum, Mr. Kleinau began his career in the pulp and paper industry in mills in the Federal Republic of Germany and in Sweden. Before joining Dorr-Oliver in 1977, he had been vice president of Copeland Systems, Inc. Before that, he had worked in the United States for Bergstrom Paper Co. and Monsanto Co.

Mr. Kleinau is a member of the American Society of Mechanical Engineers, Air Pollution Control Association, American Association of Cost Engineers, American Management Association and the Licensing Executive Society (USA).

M.J. Kocurek

Michael J. Kocurek is full professor and chairman of the Department of Paper Science and Engineering at the University of Wisconsin-Stevens Point, Wis.

Dr. Kocurek has been a central figure in the education of the industry's engineers and scientists for some 15 years. He is recognized as an influential and inspiring educator both on and off campus. His dedication to teaching and his exceptional ability to lecture with clarity and enthusiasm are reflected in the high rankings he has regularly earned in the yearly evaluations conducted among his students. He has taught off-campus, in-plant courses for both technical and nontechnical audiences, including numerous seminars and workshops sponsored by TAPPI. He has served as an industry consultant or instructor with over 30 major corporations and as a member of technical evaluation panels and corporate merger panels.

Dr. Kocurek joined the faculty of the University of Wisconsin-Stevens Point in 1970, after serving for 1 year as an instructor at the SUNY College of Environmental Science and Forestry in Syracuse, N.Y. He obtained B.S., M.S., and Ph.D. degrees in paper science and engineering from the SUNY College of Environmental Science

continued



J.W. Koning

John W. Koning, Jr. is assistant director, chemistry and paper research, at the U.S. Forest Products Laboratory, Madison, Wis.

Mr. Koning has made major contributions to the pulp and paper industry as a researcher and research manager. He has won international acclaim for his research in such areas as corrugated container technology and the utilization of hardwoods and recycled fiber. By formulating design test methods for the strength properties of corrugated fiberboard, he has helped industry to improve process and quality control and inspired his colleagues and the Laboratory to become one of the world's research centers in wood chemistry, biotechnology, pulping, and papermaking. He has published over 30 technical papers and is the author of the AMA Management Briefings "The Scientist Looks at Research Management."

Mr. Koning graduated from Iowa State University and did post-graduate work at the University of Wisconsin. He joined the Laboratory in 1961, subsequently becoming project leader and, in 1978, assuming his present position.

Since becoming a TAPPI member in 1967, he has been active in the Corrugated Containers Division, serving as a member of the Fiberboard Shipping Container Testing Committee and as an officer of the Process and Quality Control Committee. In 1980 he was appointed to the Editorial Board of *Tappi Journal*. He has presented papers at several conferences sponsored by TAPPI and by the Technical Section of the Canadian Pulp and Paper Association. In 1982 he was selected "Visiting Speaker" by the Technical Association of the Australian and New Zealand Pulp and Paper Industry. Mr. Koning has served on the Research Advisory Subcommittee on Paper Properties and Uses at the Institute of Paper Chemistry.

D.W. Manson

Dan W. Manson is director of process research of the S.D. Warren Division of Scott Paper Co., Westbrook, Me.

Dr. Manson is a recognized leader in paper science and engineering. He has become internationally known particularly for his research in sheet formation, tearing of wet paper, headbox design and operation, perforated rolls, and the use of photography in analyzing paper machine instabilities and the effect of fourdrinier shake on formation. He has shared his knowledge through many publications and through participation in TAPPI conferences and committee activities. He has tutored over 1500 men and women by serving as co-chairman and lecturer at TAPPI Wet End Operations Seminars for the past several years. For his professional achievements he has been honored with the TAPPI Paper and Board Manufacture Division Award and the Canadian Pulp and Paper Association's Weldon Medal.

Dr. Manson obtained a B.S. degree from the University of Vermont and M.S. and Ph.D. degrees from the Institute of Paper Chemistry. He joined S.D. Warren in 1973, after having worked for Brown Co., Oxford Paper Co. and, earlier, Billerud AB in Sweden.

A TAPPI member since 1961, he has been an active member of the TAPPI Fourdrinier Papermakers Committee of the Paper and Board Manufacture Division. He was appointed Division vice president from 1982 to 1970 and chairman from 1970 to 1972. He has also served on the Editorial Board of *Tappi Journal*.

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J. Nakano

Junzo Nakano is a professor at the University of Tokyo, Japan.

Professor Nakano has gained world prominence as a scientist, educator, research director, and as a leader of scientific and professional societies. The author or co-author of nearly 250 papers and several books, he has researched a wide range of topics, from fundamental studies of the chemistry of wood components to the theoretical and practical aspects of pulping and bleaching. During the past three decades, he has received numerous awards for his work, including awards from the Japanese Forestry Society, Japan TAPPI, Japan Agriculture Association, and the Japan Chemical Society. His laboratory is world-renowned for its contributions to a better understanding of the structure and reactions of wood components during pulping and bleaching. Many of his students are now occupying key positions in industry.

Professor Nakano currently serves on three advisory councils of the Japanese government, and he has served on the Board of Directors of several professional societies, including Japan TAPPI, the Japan Wood Research Society, and the Society of Fiber Science and Technology, Japan. During 1958-1960 he served as a visiting professor at the SUNY College of Environmental Science and Forestry in Syracuse, N.Y., and he was an invited speaker at the Annual Meetings of the International Union of Pure and Allied Chemistry and the International Union of Forestry Research Organizations.

A TAPPI member since 1971, he served as vice chairman and program chairman of the recent Second International Symposium on Wood and Pulp Chemistry held in Japan and sponsored by Japan TAPPI, with TAPPI one of the co-sponsors. Professor Nakano received a B.A. degree from the University of Tokyo in 1947 and a Ph.D. degree in agriculture from the University in 1958.

J.K. Perkins

Joseph K. Perkins is a consultant in Homosassa, Fla. He retired from IMPCO Division of Ingersoll-Rand Co. in 1981.

The pulp and paper industry is greatly indebted to Mr. Perkins especially for his research and development work in pulp washing and bleaching, which has resulted in large savings for mills in capital and operating costs. He gained international recognition early in his career for deriving with Westvaco researchers the *Displacement Ratio*, a method that determines brownstock countercurrent washing efficiency and which has become standard for the industry. Similarly, he made noteworthy contributions to pulp mill design, to low-level pulp washing and bleach plant systems, to the planning of the first oxygen bleach plant in the U.S.A., that was installed at Chesapeake Corp., and to the development of chlorine dioxide upflow/downflow bleaching towers. For his professional achievements, he was honored in 1982 with the TAPPI Pulp Manufacture Division Award and Johan C.F.C. Richter Prize.

Mr. Perkins graduated from Auburn University with a degree in chemical engineering. He joined IMPCO in 1946, and retired from the company as manager of market development—pulp machinery. He holds several patents, has contributed to a number of textbooks and reference works, and has published numerous technical articles. He has reported on his work at TAPPI conferences and Local Section meetings. He has directed and lectured at TAPPI short courses on brownstock washing, and he is the author of the Equipment chapter in the TAPPI PRESS book "The Bleaching of Pulp."

A TAPPI member since 1948, Mr. Perkins has actively contributed to the work of the Association's committees, particularly the Pulp Bleaching Committee and Alkaline Pulping Committee of the Pulp Manufacture Division.

V.L. Tipka

Vernon L. Tipka of Tigard, Ore., earned the industry's respect for his pioneering work which helped set the tone and example of the professional's role in industry. Starting a career in 1924, which led from screen room operator to vice president, he distinguished himself as engineer, scientist, and business manager. Mainly self-taught, his professional growth and achievements paralleled the progress of his education.

Author of a number of technical papers and editor of an industry bulletin, he studied mechanical engineering, chemistry, bacteriology, process engineering, and business principles during night classes at various universities in Oregon, Delaware, and Washington, D.C. He first worked for Hercules Powder Co., as a plant operator. In



1987



Atkins



Attwood



Bareiss



Baum



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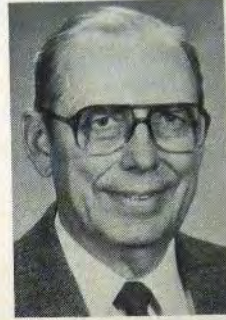
Fuller



Grace



Green



Hall



Ingruber



Knecht



Nordman



Pinard



Saxton



Singh



Smook



Spangler



Stevenson

1988



Lawrence H. Allen is director of the Process Chemistry Division at the Pulp and Paper Research Institute of Canada in Pointe Claire, Que.

Allen's la-



Rolland A. Aubey is manager of the product development group for Nekoosa Papers Inc. in Port Edwards, Wis.

Aubey is an international-



Brenton S. Halsey is chairman and chief executive officer of James River Corp. in Richmond, Va.

A technical entrepreneur, Halsey founded the James River



Norman L. Heberer is a consultant in Augusta, Ga. and retired director of utilities for Champion International.

Heberer has made significant contributions to the



Alkis Karnis is director of the Mechanical Pulp- ing Division of the Pulp and Paper Research Institute of Canada (PPRIC), Pointe Claire, Que.

Karnis is



Kenton J. Brown is manager of the Erling Riis Research Laboratory for International Paper Co. in Mobile, Ala.

Recognized for his research and de-



Bruce B. Burnett is section leader for the Union Camp Research and Development Division at Princeton, N.J.

Burnett has conducted and directed re-



Robert W. Davison is a research scientist for Hercules Inc. in Wilmington, Del.

A tireless and inquisitive investigator into many aspects of paper science



Elias M. Karter is vice president of manufacturing and technology at Mead Corp. in Dayton, Ohio.

Active in TAPPI since 1963, Karter was elected to



Kenneth K. Knapp is power and energy manager for Consolidated Papers Inc. and vice president and general manager of Consolidated Water Power



Knut P. Kringstad is director of research at the Swedish Pulp and Paper Research Institute (STFI) in Stockholm, Sweden.

Kring-



Edward F. DeCrosta is a technical consultant doing business as Columbia Associates in Hudson, N.Y., and was formerly with Albany International Corp.

One of the




Howard S. DeGroot is a consultant in Dixfield, Me., and recently retired supervisor of product control with Boise Cascade Corp.

After joining Oxford Paper in 1954




Dale R. Dill is director of R&D for the Polymer Division at Protein Technologies International, a wholly owned subsidiary of Ralston Purina, in


1988 continued




Donald F. Lehman is technical director of The Black Clawson Co., Middletown, Ohio. Lehman is being honored for his contributions to the engineering and science of




John A. Luke is president and chief executive officer of Westvaco Corp., New York, N.Y. Luke has championed technical innovation since his early mill days. He is a senior research associate at the




Philip Luner is professor of paper science and engineering at the SUNY College of Environmental Science and Forestry, and senior research associate at the




Richard E. Mark is senior research associate at the Empire State Paper Research Institute in Syracuse, N.Y. During the past 19 years, Mark has pio-




Stanley N. Marshall, Jr. is executive director of the University of Maine Pulp and Paper Foundation in Orono, Me. Marshall plays a crucial role in meet-




Barre R. Mitchell is assistant general manager of Bowater Inc., Carolina Division, Catawba, S.C. A TAPPI member since 1966, Mitchell was elected




Nils Erik Virkola is a recently retired professor of pulping technology and current consultant to the Helsinki University of Technology in Finland.




J. Robert Wagner is professor of textiles at the Philadelphia College of Textiles and Science in Philadelphia, Pa. One of the nation's ex-




Hans E. Worster is technical director of the Pulp and Paper Group, Fletcher Challenge Canada, Vancouver, B.C., Canada. Worster is being honored



W. B. A. "Sandy" Sharp is group leader with Westvaco Corp. in Laurel, Md. An international leader in the science of corrosion control, Sharp is largely re-

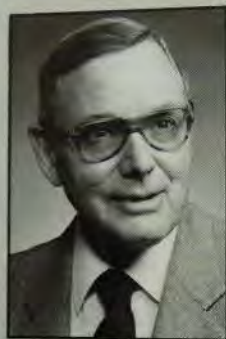


Ivar H. Stockel is retired professor and chairman of chemical engineering at the University of Maine in Orono, Me. Stockel began his distinguished career in research and development in



Arthur H. Tuthill is a consultant to the paper industry through Tuthill Associates in Blacksburg, Va. Tuthill has gained worldwide recognition for his outstanding contributions to the

1989



Loren F. Ashwood is senior associate, SAS International, Inc., New Franken, Wis.

Ashwood is recognized worldwide for his accomplishments in rais-



Lee M. Bingham is manager of mill operations at Boise Cascade Canada Ltd. in Fort Frances, Ont., Canada.

Bingham's work in the area of che-



Suketada Ito is executive vice president of Jujo Paper Co., Ltd. in Tokyo, Japan.

During the past 40 years, Ito has sought and developed the advanced technology ne-



Matti Kankaanpää is chairman, president, and chief executive officer of Valmet Inc. in Helsinki, Finland.

For over three decades, Kankaanpää's research work



Pierre Lepoutre is director of PAPER-PRODUCTS Quality Division in Pointe Claire, Que., Canada.

Through his extensive research efforts, Lepoutre has



Harry T. Cullinan, Jr. is a consultant in Appleton, Wis.

A scientist and educator of world renown, Cullinan recently served at the Institute of Paper Chemistry as



Hardev S. "Doug" Dugal is research associate, James River Paper Corp., in Neenah, Wis.

After training in his native India and pursuing advanced study in Germany



Dan Ernst Eklund is professor at the University of Abo Akademi in Turku, Finland.

Eklund's research at Abo Akademi has led to his being recognized internationally as



Leroy H. "Pete" Busker is director of research and planning, Beloit Corp., Rockton, Ill.

Busker's extensive research has led to important and practical



Maurice R. Castagne is president of Castagne Communications, Inc. in New York, N.Y.

As a writer, editor, and photographer, Castagne is one of the pulp and



Paolo C. Culicchi is general manager of Italcarta S.P.A., Porcari, Lucca, Italy.

Culicchi is well-known in the pulp and paper industry's international com-



Richard G. Elliott is technical director of Longview Fibre Co., Longview, Wash.

For over 25 years, Elliott has contributed significantly to the international under-



Ronald B. Estridge is senior vice president, group executive, of James River Corp., Richmond, Va.

Estridge has earned wide recognition as an industry



John R. Gunning is retired from Abitibi-Price as associate research director and is currently a consultant based in Oakville, Ont., Canada. He is associated with OmniContinental

1989 Continued



Frank W. Lorey is senior vice president, R&D at Garden State Paper Co. in Saddle Brook, N.J.
For over three decades, Lorey has made major



James E. Luce is manager, paper science and technology for International Paper Co. in Tuxedo Park, N.Y.
Luce is widely respected for his find-



James M. Piette is vice chairman of Union Camp Corp. in Savannah, Ga.
Piette's 41-year career in the pulp and paper industry has been marked by an



Ants Teder is research director—pulp technology of STFI, the Swedish Pulp and Paper Research Institute in Stockholm, Sweden.
Teder introduced inorganic and



H. Ward Verseput is research manager at the Boxboard Research and Development Association in Kalamazoo, Mich.
Specializing in boxboard re-



Robert C. Williams is president and chief operating officer of James River Corp. in Richmond, Va.
A technical entrepreneur, Williams founded the James River Corp. with colleague



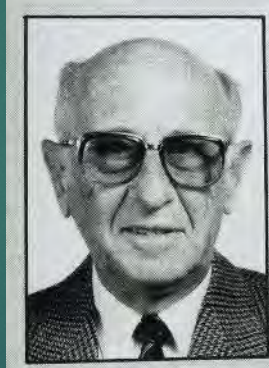
Douglas W. Reeve is adjunct professor in the Department of Chemical Engineering and director of the Pulp and Paper Centre at the University of To



Helen R. Schuierer is president of H. R. Schuierer Inc., Nanuet, N.Y., and recently retired senior quality control project coordinator at Champion International, West



Vance C. Setterholm is assistant director of chemistry and paper research at the USDA Forest Service's Forest Products Laboratory in Madison, Wis.
Setterholm's



Antonio Xucla Bas is a director and recently retired vice president of Torras Hostench S.A. in Barcelona, Spain.
Xucla Bas has won international ac-

1990



Donald Atwood is director of the Paper and Board Division of Pira in Leatherhead, Surrey, United Kingdom. He was honored for his professional achievements with the Silver Jubilee Medal of PITA, TAPPI's sister association in the United Kingdom. In 1988, he was awarded the Member of the Order of the British Empire in the Queen's Birthday Honours List for his services to the industry.

He was president of EuCaPa, the European liaison committee for pulp and paper, and chairman of PITA. He is also secretary general of WAPRI, the World Association of Pulp and Paper Research Institutes, and serves on numerous industry and government committees. Atwood obtained a B.Sc. general degree and B.Sc. special degree in physics from London University.



Donald B. Brewster is president of Profigrad Inc. in Montreal, Que., Canada. Since 1961, Brewster has been internationally recognized for his pioneering work in research, development, commercialization, and application of process control systems in the industry. These contributions have advanced control in chemical and mechanical pulping, bleaching, recovery and energy, paper

ing internationally recognized in their own right. In addition to U.K. members, Pira has members worldwide, including Scandinavia and North America.

performed the control systems research and development work in pulping and papermaking during more than three decades. He joined the paper industry in 1953 after graduating from London University with a B.Sc. degree. He worked in the Bowaters Research Laboratories until he joined Pira in 1977 as director of the Paper and Board Division. At Bowaters he progressed through the ranks until he was in charge of the company's R&D activities. While at Bowaters he made valuable contributions, especially in the areas of headboxes, drying, and computer control. He was one of the first to apply successful automatic basis weight control using a beta gauge. He has published many papers on his findings, including those on the measurement of wire marks and the inspection of paper surfaces, basis weight variations over small areas of paper, and the prediction of power requirements in the agitation of fiber suspensions.

At Pira, he has successfully managed the changeover from a subscription- and government-funded research organization to what is essentially an independent contract research organization. He has built up a team of researchers who are becoming



Wayne F. Carr is president of Wayne Carr Associates in Appleton, Wis. Elected to the Association's Board of Directors in 1987, Carr has chaired the Finance Committee for the last two years. In this position, he has overseen the Association's annual operating budget of more than \$10 million and its long-range financial planning. He has also guided the redirection of the Association's investments management. Additionally, he has played a key role in the development of contingency plans. He has directed these plans to be sensitive to the economic factors relating to TAPPI's overall business plan and has supported research that addressed these external factors.

A TAPPI member since 1961, Carr has served in all the offices of the Pulp Manufacture Division and has chaired the Secondary Fibers Committee. While an officer of the Pulp Manufacture Division, he established its first newsletter, guidance manual, and division supplier representative. In addition, as an officer of the Secondary Fibers Committee, he established its first guidance manual and subcommittee organization format. He was technical program chairman for the 1982 and 1983 Pulping Conferences and the 1973 Secondary Fibers Conference. Carr initiated the



Ingemar L. Croon is the owner of CronoConsult in Stockholm, Sweden. Croon has gained preeminence as a world authority in wood chemistry and pulping techniques. Glassman has instructed many papermakers, technical people, and equipment makers about the technical relationships between orienting papers and printing processes. He lectured at Western Michigan University, assisted at Ryerson Institute, and has given numerous talks at association meetings.

of the School of Forestry and Wood Products at Michigan Technological University. Additionally, Foster is a member of the Executive Committee of the Empire State Paper Research Association in Syracuse, N.Y. He has also been appointed to the Technical Advisory Committee of the Forest Products Utilization Research Laboratory of the U.S. Forest Service in Pineville, La.

Foster earned a B.A. degree in paper technology from Western Michigan University and an M.S. degree in pulp and paper chemistry from the Institute of Paper Science and Technology (formerly the Institute of Paper Chemistry).



Alex Glassman is president of Paper and Graphic Arts Inc. (Consultants) in Foxboro, Ont., Canada. An authority on printing and graphic arts, Glassman has made substantial contributions to the paper industry in his four decades of work. As one of the originators of the concept of end-use testing in the paper industry, he played a key role in developing

A TAPPI member since 1954, Glassman has contributed to the success of the Graphic Arts Committee and the Coating and Graphic Arts Division by serving as an officer numerous times, participating in many committee activities and conferences, and presenting papers at TAPPI Coating Conferences. He initiated TAPPI's Coating and Graphic Arts Conferences and was chairman of the second conference, where the first major international printing update was held—a concept that is the basis of today's joint CPPA/TAPPI International Printing and Graphic Arts Conference. Glassman has authored many articles and worked on many publications to assist printers and papermakers in better understanding their profession. He also edited and produced TAPPI's educational book, *Printing Fundamentals*, written for papermakers and technical personnel.

Glassman is also active in other Associations including the Canadian Pulp and Paper Association, the American Chemical Society, the

Professional Engineer in Wisconsin. Prior to booting his own company in the last year, Carr was vice president of corporate engineering for Ponderosa Fibers of Norway. Before that he worked for Marathon Engineering/Architects/Planners, Inc. as manager of fiber systems.

A 30-year veteran of the paper industry, Carr has focused his work on the research and development, design, applications, start-up, maintenance, and production associated with both pulping (wood and nonwood) and secondary fiber operations. He also holds four patents.

In addition to his TAPPI activities, Carr is a member of the National Association of Professional Engineers and the Professional Engineers of Wisconsin. He received a certificate of merit from the U.S. Department of Agriculture and accepted the Outstanding City Award for Madison, Wis., from the National Association of Secondary Materials, Inc. He was also an appointed member of the Governor's Task Force on Recycling in Wisconsin.



Keith A. Cutshall is from North Vancouver, B.C., Canada. Cutshall's major contributions have been in the area of minimizing process variability. These contributions have ranged from improving sampling techniques to applying Fourier analysis to woodchip paper machine and product stability. This work has been used as a model by others and can be considered a precursor of today's position of publicized statistical process control.

He earned a Master's degree in chemical engineering and a Doctorate in Science degree from the Royal Institute of Technology in Stockholm, Sweden. Croon began his career in 1959 with Billerud as research and development manager. He was affiliated with MoDo as research director from 1960 to 1971, and then as vice president and president of MoDo International SA and of MoDo Chemicals SA. He established CroonConsult in 1976, working primarily for pulp and paper companies in Sweden, North America, and Japan.

He is also a member of the Swedish Association of Pulp and Paper Engineers and the Royal Swedish Academy of Engineering Sciences.



Ian F. Hendry is a consultant at Fort William, Scotland. A distinguished authority on statistical quality control, Hendry plays a key role in coordinating the European paper industry's technical activities. He began his career in 1950 at Wiggins Teape as a research scientist and advisor on statistics and quality. Holding positions of increasing responsibility during his 32 years with this company, Hendry initiated the introduction and use of the first blade coaters in the United Kingdom. Additionally, he supervised the installation of Europe's largest paper machine for the production of nonwoven coated paper.

A TAPPI member since 1955, Hendry has made major contributions to the international communication and cooperation of the pulp and paper industry. He was a founding member and secretary of the Study Group of European TAPPI members. Since 1962, he has been a member of the President's Council of EuCaPa. He has been internationally recognized for his engineering research work in the areas of wood pulp suspension flocculation, flow behavior, and processing. His research has included studies on the fluid mechanics of fiber suspensions.

He has written nearly 50 technical and scientific papers and has spoken at numerous TAPPI local section meetings. He is also the author of a chapter on cross-direction control in the book, *Papermaking Operations*, published by the Joint Textbook Committee of the Canadian Pulp and Paper Association (CPPA) and TAPPI. Cutshall earned a B.Sc. degree at the State University of New York College of Forestry in Syracuse, N.Y. Before joining Devron-Hercules in 1982, he was affiliated with Oxford Paper Co., Australian Paper Manufacturer, Westvac, and MacMillan Bloedel.



Harold H. Holden is vice chairman and director of Gilman Paper Co. in New York, N.Y. For seven decades, Holden has been a recognized leader in the pulp and

workers a new method of washing (and making paper without water) and a new method for pulp washing to reduce water demand. He introduced and developed fiber suspensions as a new slurry transporting medium for pumping other solids (such as coal, ores, and wood chips) as a stable suspension. He showed that tree logs or capsules containing solids or liquids could be supported in a fiber suspension and pumped by pipeline. Duffy has five patents and five more pending. He has published over 100 papers, technical reports, and special reports for the industry.

Before accepting his current position, Duffy served as a professor and lecturer at several colleges and universities. Additionally, he was the foundation director of the recently formed Pulp and Paper Research Organization of New Zealand from 1986 to 1988. He has also consulted widely for companies in the United States, Canada, Scandinavia, and Australasia.



Geoffrey G. Duffy is professor and director of the Pulp and Paper Research Unit at the University of Auckland in Auckland, New Zealand. Duffy has become internationally recognized for his engineering research work in the areas of wood pulp suspension flocculation, flow behavior, and processing. His research has included studies on the fluid mechanics of fiber suspensions.

He has written nearly 50 technical and scientific papers and has spoken at numerous TAPPI local section meetings. He is also the author of a chapter on cross-direction control in the book, *Papermaking Operations*, published by the Joint Textbook Committee of the Canadian Pulp and Paper Association (CPPA) and TAPPI. Cutshall earned a B.Sc. degree at the State University of New York College of Forestry in Syracuse, N.Y. Before joining Devron-Hercules in 1982, he was affiliated with Oxford Paper Co., Australian Paper Manufacturer, Westvac, and MacMillan Bloedel.



Richard J. Kerekes is a principal research engineer of the Pulp and Paper Research Institute of Canada (Paprican) and honorary professor of the University of



William A. Foster is forest products industries manager at Dow Chemical USA in Midland, Mich. A TAPPI member for over 30 years, Foster was elected to the Association's Board of Directors in 1987. During this time, he has chaired the Marketing Committee, which had been created in 1988 to help the Association's leaders identify and assess the growing needs of an expanding and diverse membership. In this position, Foster has directed the development of TAPPI's first Association-wide marketing plan and has endeavored to install a member-driven orientation in both the development and marketing of TAPPI's products and services.

Before accepting his current position, Duffy served as a professor and lecturer at several colleges and universities. Additionally, he was the foundation director of the recently formed Pulp and Paper Research Organization of New Zealand from 1986 to 1988. He has also consulted widely for companies in the United States, Canada, Scandinavia, and Australasia.

Foster has further impacted TAPPI's direction and goals by serving on the Goals and Planning, Executive, Coordinating, Journal, and Exhibits Meetings Committees of the Board of Directors. He has chaired the Technical Needs and Trends Ad Hoc Committee of the Technical Operations Committee, the Research Management Committee of the Research and Development Division. He has also been a member of the Human Resources Development Committee.

Foster has been with Dow Chemical

1990 Continued



Bo K. Mannstrom is president of the Finnish Pulp and Paper Research Institute in Helsinki, Finland.

For more than two decades, Mannstrom has been one of the world's leading researchers in refiner mechanical pulping and associated processes. At the same time, he gained preeminence as a research director and business manager. In addition, he became an internationally recognized leader in actively promoting new pulping technology through his publications and participation in conferences and other industry and educational activities. He holds a patent on feeding a double-disk refiner. The most recent of his numerous publications in the world's



Wells E. Nutt is mill manager of Union Camp Corp. in Franklin, Va.

Nutt has distinguished himself as an engineer as well as a leader in the industry and in

TAPPI for over two decades. In particular, he has played an influential role in TAPPI local sections and in the Pulp Manufacture Division. He has served as treasurer, vice chairman, and chairman of the Southeastern Section and as secretary, vice chairman, and chairman of the Alkaline Pulping Committee. He was an officer of the Pulp Division for four years, including the Division's chairmanship in 1988. As technical program manager of the 1986 and 1987 TAPPI meetings, he helped pres-

overan responsibility for the Franklin, Va., mill—the world's largest white paper mill.

He is listed in *Who's Who in Engineering* and in *Who's Who in the South and Southeast*.



Jori E. Pesonen is president of Valmet Paper Machinery, Inc. in Helsinki, Finland.

For nearly four decades, Pesonen has made major contributions to the increasing efficiency with which the

of Valmet Corp.; in 1987, he was named president of the new Valmet Paper Machinery, Inc.

He is the author of several papers and has been granted two patents.

A TAPPI member since 1958, he has actively participated in the technical programs of conferences and the Annual Meeting. He is also a member of TAPPI's sister associations in Finland, Canada, England, and Germany.



Anthony M. Scallan is senior scientist and head of the Fiber Chemistry Section of the Pulp and Paper Research Institute of Canada (Paprican) in Pointe Claire, Que.



James M. Tucker, Jr. is vice president-strategic planning services at Simons-Eastern Consultants Inc. in Atlanta, Ga.

Tucker was elected to the Association's

Board of Directors in 1987. During his term he has chaired the Technical Operations Council (TOC), guiding TAPPI's 11 technical divisions. He has also served on the Coordinating, Executive, Marketing, and Human Resource Development Committees. While on the Human Resource Development Committee, he chaired the Career Development Task Force, which spearheaded the development of



William R. Laidig is chairman, president, and chief executive officer of Great Northern Nekoosa Corp. in Norwalk, Conn.

Laidig has distinguished himself as an engineer as well as a manager and entrepreneur of a major, multi-division pulp and paper company. Clearly recognizing the competitive challenges facing U.S. pulp and paper manufacturers, he has energetically expounded the need for the industry to enhance its manufacturing and marketing quality. He has effectively carried his message to various industry techni-

cal meetings, through the press, and to the public. He has kept himself at the cutting edge of the industry and has never s-



Lars O. Larsson recently retired as managing and research director of the Swedish Newsprint Research Centre (TFL) in Djursholm, Sweden.

Larsson is noted for his contributions to excellence in the field of printing and its component raw materials. His most recent professional achievements were instrumental in developing most of today's knowledge concerning the printing properties and the runnability of newsprint in the pressroom. These efforts encompassed his direction of far-reaching winding studies. He is the editor of the definitive work on winding, *Advances and Trends in Winding Technology*, which contains



Michael Kouris is Editor Emeritus of *Tappi Journal* in Atlanta, Ga.

Kouris' leadership and guidance for the past 30 years has earned the *Tappi Journal*

global acclaim and recognition as the leading magazine of pulp and paper science and technology. He began working for TAPPI in 1959 as a technical editor, and held positions of increasing responsibility before accepting the position of editor-in-chief in 1979. Upon his retirement from the journal staff in August 1989, Kouris was honored with the title of Editor Emeritus. He has worked in Sweden, Canada, and Great Britain.



Richard M. Ludwig is vice president-engineering and logistics for International Paper Co. in Memphis, Tenn.

A TAPPI member since 1954, Ludwig was elected to

the Association's Board of Directors in 1987. During this time he has chaired the Member Services Committee and has helped develop means for improving the professional, economic, and social welfare of TAPPI members. He also serves on the Board of Directors' Coordinating and Goals and Planning Committees.

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Bohumil "Bob" Alinec is senior scientist at the Pulp and Paper Research Institute of Canada (Paprican) in Montreal, Que., Canada. Alinec has contributed to the industry's

basic understanding of papermaking through his extensive research into the colloidal interactions between cellulose and mineral fillers and into the retention behavior of dissolved polymers in complex cellulosic systems. He is the author or coauthor of more than 110 papers which have been published in international technical and scientific journals, and presented at conferences. The co-inventor of four patented methods for the preparation of water-soluble hydroxyethylcellulose, microcrystalline cellulose, and crosslinked microcrystalline cellulose, Alinec has reported on his work at many TAPPI conferences.

Alinec's original work on the interaction of fibers with cationic latexes is often quoted as the authoritative work in the industry's understanding of the interactions between fibers and fillers. His studies examining the deposition of pigment particles under electrostatic forces or bridging have greatly added to the industry's knowledge of the colloidal aspects of pigment retention. Alinec has also reported on his work at other major paper science, and water interactions

cellulosic fibers, cellulose derivatives, absorption of polymers on pulp fibers and the implications regarding colloidal phenomena and retention, and light scattering in pigmented coatings and in filled sheets resulting from the filler and from "debonding" effects.

After obtaining a Dipl. Ing. and an M.Sc. degree from the Technical University of Bratislava, Czechoslovakia, Alinec went on to earn a Ph.D. from the Academy of Sciences in Bratislava. Before joining Paprican, in 1969, he worked as a research engineer for the Water Research Institute and as a scientist at the Academy of Sciences, Institute of Chemistry, both in Bratislava.

Alinec has been a TAPPI member since 1980 and is also a member of the Canadian Pulp and Paper Association Technical Section and the American Chemical Society.



Heinrich L. Baumgarten is head and financial director of Papier-technische Stiftung (PTS) (Paper Technology Foundation) in Munich, Germany.

For more than two decades Baumgarten has distinguished himself in



Wilhelm Kufferath is affiliated with Swiss Wire Siebtuchfabrik AG in Olten, Switzerland. Kufferath is recognized worldwide as an authority on sheet drainage and formation, and the design, manufacture, and operation of synthetic forming fabrics. He is known as a pioneer in the development of plastic forming

the fields of chemical engineering, polymer science, and latex technology. His research relating macroscopic surface smoothness and microscopic



Do Ik Lee is a research scientist at Dow Chemical Co. in Midland, Mich. A world authority in coating technology, Lee has made significant contributions to

the fields of chemical engineering, polymer science, and latex technology. His research relating macroscopic surface smoothness and microscopic



Norman Liebergart is senior scientist at the Pulp and Paper Research Institute of Canada (Paprican) in Montreal, Que., Canada. During his 35 years of service to the

pulp and paper industry, Liebergart has distinguished himself as a leader in pulp bleaching processes. His contributions include instrumental work in using oxygen, alkali, or peroxide to decrease the chlorine charge in the bleaching sequences of chemical pulps. His work in this area has centered on developing, implementing, and promoting the oxygen-alkali extraction, hydrogen peroxide extraction, and oxygen and ozone delignification processes. As an important step in the industry's efforts toward environmental protection and effluent control, these processes mark a major advance in bleaching technology. His successful research and development work has earned him 17 patents. Liebergart is currently working on research programs dealing with low- or no-chlorine bleaching.

Liebergart has authored or co-authored 41 articles and has spoken at meetings of organizations including TAPPI, the Canadian Pulp and Paper Association (CPPA), the American Chemical Society, and the International

Union of Pure and Applied Chemistry. A TAPPI member since 1972, Liebergart has distinguished himself as a leader in innovative technology in the pulp and paper industry.



David A. Bossen is president and chief executive officer of Measurix Corp. in Cupertino, Calif. Bossen has made a substantial contribution to the progress and competitive position of the United States pulp and paper industry worldwide through his work at Measurix Corp., which he co-founded in 1968. He has been a leader in the application of high technology sensor products and computer process control, which has allowed the industry to become more efficient and better able to control the quality and cost of its products. In 1969, Measurix installed the first digital turnkey system in the paper industry. It represented the first time a vendor put together a packaged and integrated supervisory computer system for a paper mill, the first time a system vendor provided mills with technology assistance services and personnel to efficiently maintain computer-based systems, and the first time digital sensors were introduced to the industry, creating a new dimension of measurement that still thrives today.

Bossen, who holds six patents, established the goal of providing computer-integrated manufacturing to mills, a planned implementation of technology that started with that first supervisory machine in 1969. His commitment has since pervaded all areas of paper mills throughout the world including pulp digesters, bleach plants, paper machines, super-

calenders, and paper mills. His research and development work, especially in calendaring, drying, washing, and systems engineering. The industry's knowledge of calendaring derives almost entirely from Crotoigno's work and that of his colleagues under his supervision. His pioneering of temperature-gradient calendaring is leading to important improvements in paper and board



Reinhold H. Crotoigno is a senior scientist and director of research engineering for the Pulp and Paper Research Institute of Canada (Paprican) in Pointe Claire, Que., Canada, and auxiliary professor at McGill University in Montreal. Crotoigno is being recognized for his far-reaching contributions to papermaking engineering as they affect quality and quality control. He has distinguished himself through his innovative research and development work, especially in calendaring, drying, washing, and systems engineering. The industry's knowledge of calendaring derives almost entirely from Crotoigno's work and that of his colleagues under his supervision. His pioneering of temperature-gradient calendaring is leading to important improvements in paper and board

the areas of mechanical and electromechanical pulps and their utilization and the development of a commercial version of PAPMOD—a modular sequential simulation program for pulp and paper processes. The development of systems engineering combined with pulp washing research is expected to have a positive effect in controlling or eliminating environmental problems associated with mill effluent.

Author or coauthor of more than 25 technical papers, Crotoigno obtained a B.A.Sc. degree from the University of British Columbia and a Ph.D. from McGill University. Before joining Paprican in 1976, he worked for five years with J. M. Voith GmbH.

A TAPPI member since 1977, Crotoigno is also a member of the Canadian Pulp and Paper Association Technical Section, the Canadian Society of Chemical Engineering, and the Association of Professional Engineers of British Columbia.



Alfred H. Jaehn is quality systems manager at Consolidated Papers, Inc. in Wisconsin Rapids, Wis. Jaehn has been recognized nationally for his broad experience and expertise in quality management and statistical process control in the pulp and paper industry. He served as a member of the board of examiners for the Malcolm Baldrige National Quality Award of the United States Department of Commerce, National Bureau of



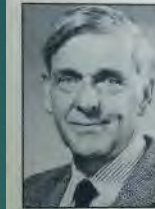
Albrecht C. Meinecke is vice president of research and development for J. M. Voith GmbH in Heidenheim, Germany. A TAPPI member since 1972, Meinecke has distinguished himself as a leader in innovative technology in the pulp and paper industry.



Ulla-Britt Mohlin is a senior research associate at the Swedish Pulp and Paper Research Institute in Stockholm, Sweden. Mohlin is internationally recognized for her research in the areas of mechanical and electromechanical pulps and their utilization and the development of a commercial version of PAPMOD—a modular sequential simulation program for pulp and paper processes. The development of systems engineering combined with pulp washing research is expected to have a positive effect in controlling or eliminating environmental problems associated with mill effluent.

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A TAPPI member since 1977, Crotoigno is also a member of the Canadian Pulp and Paper Association Technical Section, the Canadian Society of Chemical Engineering, and the Association of Professional Engineers of British Columbia.



John R. Parker is the principal scientist for Messmer Instruments, Ltd. in Kent, England. Parker is recognized as one of the most prominent papermaking

technologists in the world today. As a pioneer in the fields of diagnostics engineering and the analysis of disturbances causing short-term basis weight variation, he developed the science of predicting calendar roll configuration to prevent calendar barring as a commercial service. In 1970, Parker was awarded the British Paper & Board Maker's Association Technical Section Silver Medal for his work on printability and for the development of the Parker Print-Surf Roughness Tester, an apparatus which determines the roughness of paper.

Parker's work, published in more than 100 papers, has earned him two

Messmer Instruments in 1989 as principal scientist. Parker is a member of the British Paper Industry Technical Association and the Canadian Pulp and Paper Association Technical Section. He is an associate member of the Institute of Measurement and Control and has been a member of the Fundamental Research Committee since 1970. In 1984, Parker was the Australian and New Zealand pulp and paper technical association (APPITA) visiting speaker.



Phillip G. Saunders is president of Container Graphics Corp. in Cary, N.C. Saunders has served on the TAPPI Board of Directors for the past three years.

and received his M.S. and Ph.D. degrees, he worked during the summers in the mills and laboratories of Weyerhaeuser, Owens-Illinois, NCR Corp., Champion International, Mead Corp., and Diamond International. After receiving his Ph.D., Scott worked for four years with the Biological Sciences Department at Purdue University and for two years with the Chemistry Department of the University of Edinburgh in Scotland. He joined Miami University in 1974, began a three-year stint with Champion International in 1978, and returned to Miami University in 1981.



William E. Scott is chairman of the Paper Science & Engineering Department of Miami University in Oxford, Ohio. Elected to TAPPI's Board of Directors in 1988, Scott will complete his three-year term this month. He has served on the Board's Coordinating, PRESS, Honors, and Test Methods Management Committees and chaired the Test Methods Management Committee in 1989. Prior to his election to the Board, Scott served on the Board's Human Resource Development and PRESS Publications Committees for two years. He has been a member of the Academic Relations Subcommittee of the Board's Human Resource Development Committee.

Scott has been a TAPPI member since 1974 and remains active in the



William J. Whitsitt is a consultant for Menasha Corp. in Neenah, Wis. Whitsitt is respected in the world corrugated container community for advancing the

the world corrugated container community for advancing the

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John D. Callahan



John D. "Jack" Callahan is accounts manager for Hercules, Inc. in Agawam, MA.

A TAPPI member since 1964, Callahan was elected to TAPPI's Board of Directors

in 1989 and will complete his term in March 1992. He is currently chairing the Board's Marketing Committee and has been active in its Exhibits and Meetings, Coordinating, and Goals and Planning Committees. Presently chairman of the Technical Operations Council (TOC), he also has been chairman of the Meetings Committee and the Goals and Planning Committee of TOC. Callahan first became active in the Association as a member of the Executive Committee of the New England Local Section.

Callahan has been involved in TAPPI's Coating and Graphic Arts Division for almost 20 years. He has served in all the Division's offices and has been chairman of the Technological Fore-

Section of the Canadian Pulp and Paper Association's Coating Committee, the Salesman's Association of the American Chemical Industry, the Federation of Societies for Coating Technology, and the Society of Plastics Engineers. He has been mentioned in *Who's Who in Business and Finance* and *Who's Who in the World*.

E. Malcolm Condon



E. Malcolm Condon is senior technical specialist at Atlanta Wire Works, Inc. (JWI Group) in Jonesboro, GA.

Condon has served the paper industry for more

than 25 years as a recognized specialist in fabric and foils technology and wet-end operations. He joined the JWI Group in the mid-1960s and was the general manager of Johnson Foils (of JWI Group) during the pioneering days when drainage foils were being introduced to replace table rolls on most grades of paper. Replaceable drainage

vision, Condon has been a speaker at TAPPI conferences and Local Section meetings, and has presented papers at meetings of the Canadian Pulp and Paper Association and the Paper Industry Management Association.

Condon earned a B.S. degree in mechanical engineering from Newark College of Engineering. Since 1966, he has been associated with Johnson Wires Division, Johnson Foils Division, and Atlanta Wire Works (all of the JWI Group). For 10 years prior to that, he worked with Linde Co., Driver-Harris Co., and John Dusenbery Co.

Theodore P. Crane Jr.



Theodore P. Crane Jr. is vice president of major projects for Champion International in Stamford, CT.

Elected to the Board of Directors in 1989, Crane will complete his three-year term in March 1992. He serves on the Board's Executive Committee and is vice chairman of the Local

the State of Florida Pulp and Paper Association.

Alf R. de Ruvo



Alf R. de Ruvo is president of SCA Research in Stockholm, Sweden. De Ruvo has made many significant contributions to the industry in technology and imaginative management. Among his professional achievements are path-breaking studies of the physical chemistry of wood polymers; establishment of interactions between the rheological properties of

Dean W. Einspahr



Dean W. Einspahr retired in 1985 as director of the Forest Biology Section of the Institute of Paper Chemistry in Appleton, WI, (now the Institute of Paper Science

and Technology). For over three decades, Einspahr enjoyed a highly distinguished career at the Institute of Paper Chemistry. He was very involved with the academic program, teaching courses, and guiding graduate research, as well as serving as department head, while directing and overseeing his own

Herbert F. Berger



Herbert F. Berger is an independent private consultant in Gainesville, FL. In 1988, Berger retired as southern regional manager from the National Council of the Paper Industry for

Air and Stream Improvement (NCASI).

Over the past 40 years, Berger has played a leading role in a cooperative paper industry program of technical studies covering environmental quality protection problems. His contributions in the areas of optimization of wastewater management system design, im-

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1992 Continued

Michael Jackson



Michael Jackson is vice president of Sunds Defibrator Ltd. in Vancouver, BC, Canada.

Jackson's professional achievements include his contributions to technical progress in mechanical pulping and papermaking, his service as a researcher, and his leadership of major research groups. He has contributed significantly to the development of modern refiner mechanical pulping technology, as is demonstrated by his 75 publications,

David J. Kraske



David J. Kraske is chairman of the Department of Chemical Engineering at the University of Maine in Orono, ME.

While Kraske has made numerous contributions to the pulp and paper industry as a whole, his greatest achievements to the industry, to the state of Maine, and to the public at large occurred during his years at the University of Maine beginning in 1987. Joining the University as a professor of chemical engineering, he immediately became engrossed in the

Milos Krofta



Milos Krofta is chairman of the board and president and founder of Lenox Institute of Water Technology, Inc. in Lenox, MA. He is president of Krofta Engineering Corp. in

Lenox, MA, and three subsidiaries in the United States and one in Tokyo, Japan. He is also the director of several branch offices in Europe, Brazil, and India.

Krofta is a world renowned engineer and scientist in the treatment and control of industrial waste. He built his

David G. McMaster



David G. McMaster is president of the Pulp and Paper Group of Bowater Inc. in Greenville, SC.

McMaster is a superb role model for young TAPPI members.

He was trained as an engineer, completed his graduate studies at the Institute of Paper Chemistry (now the Institute of Paper Science and Technology), began his industrial career in technical assignments, moved rapidly into mill management, and from there into senior management and the presi-

Earl W. Malcolm



Earl W. Malcolm is director of the Chemical and Biological Sciences Division and professor of chemistry at the Institute of Paper Science and Technology (IPST) in Atlanta, GA.

Malcolm is recognized as one of the world's foremost authorities on kraft pulping and bleaching, wood chemistry, and oxygen delignification. He is the author or coauthor of five U.S. and international patents and over 20 papers published in refereed journals and four books and monographs.

Hans W. Maurer



Hans W. Maurer is research associate for Westvaco Corp. in Laurel, MD.

Maurer is an internationally recognized authority on coating technology, starch chemistry, and coating binders. Additionally, he has made significant contributions in metered film press technology. His dedication to science and technology in these areas has led to numerous U.S. and foreign patents in the fields of starch conversion and papermaking. He has reported on his work in German and U.S. journals and at international

Robert A. Moore Jr.



Robert A. Moore Jr. is vice president and group executive for International Paper Company in Memphis, TN.

Moore has distinguished himself as a technically oriented general manager during his more than 30 years in the paper industry. He was a pioneer in pocket ventilation for wide fine paper machines, the development of rolls, and profile controls. He provided the management initiative for the industry's first power plant energy management system and continues to be an advocate and spokesman for millwide process control systems. He has been recognized for innovative management decisions concerning low-odor, high-pressure recovery boilers.

A 25-year TAPPI member, Moore has been active in the Virginia-Carolina and Southwest Local Sections. He was honored by the Southwest Section in 1985, being named Executive of the Year. He has been a member of the Board of Directors Exhibits and Meetings Committee and Annual Meeting Committee, chairing it in 1987. Moore was a member of the former Rotamir Committee of the Paper and Board Manufacture Division and was instrumental in establishing the Finishing Committee (now the Finishing and Covering Division).

Moore earned a B.S. in chemical en-

gineering from Texas A&M, and Teasarkana, TX, and worldwide sales of bleached board.

In addition to his TAPPI membership, Moore is active in the Paper Industry Management Association, the Technical Section of the Canadian Pulp and Paper Association, and the American Paper Institute. He serves as a director for the Pulp and Paper Foundation at North Carolina State University and is a member of the Industrial Advisory Committee at the University of Virginia. Moore also is a past director of the Virginia Engineering Foundation.

Richard A. Reese



Richard A. Reese is senior process consultant for CRS Shirine Engineers, Inc. in Greenville, SC.

Reese has made significant contributions in the areas of paper machine evaluation and optimization. He was instrumental in the design of portable instrumentation for evaluating and troubleshooting paper machine operation. He developed the first on-line opacity measurement and closed-loop control system and assisted in the development of other on-line measurement and control systems. Reese also mentored paper machine performance standards for major grades of paper which are widely used by corporate research and engineering groups.

A TAPPI member since 1973, Reese has been active in the Water Removal

and Finishing Division of the Paper Industry. He has published two chapters in *Paper Machine Operation, Volume 7* of the *Pulp and Paper Manufacture* series, published by the Joint Textbook Committee of the Paper Industry.

After obtaining a B.S. degree in applied science from Miami University in Oxford, OH, Reese began working for Harnemill Paper Co. in 1964. During his 12 years with Harnemill, he held numerous positions including process engineer, paper machine tour foreman, assistant paper mill superintendent, and group leader paper machine development. He spent five years with the Hyltosh Division of Høyek Corp. as an engineering manager and six years at Pöyry-HEK as a process consultant and then vice president. Before joining Rust International as OPECO technical manager. In 1989, Reese assumed his current position at CRS Shirine Engineers.

In addition to his TAPPI activities, Reese is a member of the Paper Industry Management Association and the North Carolina State Pulp and Paper Foundation. He is a Life member of the Miami University Pulp and Paper Foundation.

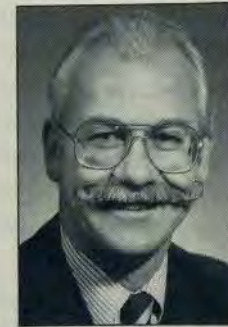
Leland R. Schroeder



Leland R. Schroeder is professor and chairman of the Paper Science and Engineering Faculty and director of the Empire State Paper Research Institute at the State

University of New York College of Environmental Science and Forestry in

Bruce I. Fleming



Bruce I. Fleming is senior research advisor for Boise Cascade in Portland, OR. Until his recent move to Boise Cascade's R & D Laboratory, Fleming was a senior scientist for the Pulp and Paper Research Institute

Rajinder S. Seth



Rajinder S. Seth is senior scientist and head of the Fiber and Product Quality Section for the Pulp and Paper Research Institute of Canada in Vancouver, BC, Canada.

Seth has been internationally recognized for his contributions to the industry's basic understanding of papermaking and product performance. His extensive research has focused on relating fiber properties, paper structure, and process variables to the end-use properties of paper and

Charles W. Spalding



Charles W. Spalding is a retired vice president of research and development for Mead Corp. in Dayton, OH.

Respected for his contributions to research and technology management, Spalding has been praised for his ability to effectively develop and utilize technology to achieve practical business results. In the last 30 years, he has directed numerous research programs leading to publications and patents by his scientists. Some of these projects have included a patented process for the chemimechanical pulping of hardwoods, a detailed understanding of the factors affecting print quality, advances in bleaching with reduced pulp degradation, and the establishment of techniques and programs to solve paper machine problems through on-line

research. He spent 15 years at Mead Corp., beginning in 1976, as director of corporate research, vice president of pulp and forest products, and vice president of research and development.

Spalding is an emeritus member of the Industrial Research Institute where he has served on the Board of Directors for *Research Management* magazine and the Research-on-Research Committee.

Neil G. Vander Linden



Neil G. Vander Linden is quality superintendent for Westvaco Corporation in North Charleston, SC.

Elected to TAPPI's Board of Directors in 1989, Vander Linden will complete his three-year term in March 1992. He has chaired the Local Section Operations Council and has served on the Board's Coordinating, Exhibits and Meetings, and Member

search. He spent 15 years at Mead Corp., beginning in 1976, as director of corporate research, vice president of pulp and forest products, and vice president of research and development.

Spalding is an emeritus member of the Industrial Research Institute where he has served on the Board of Directors for *Research Management* magazine and the Research-on-Research Committee.

Barbara H. Wortley



Barbara H. Wortley is senior technical manager for General Chemical Corporation in Syracuse, NY.

Wortley is a recognized authority on sizing technology. She has been a leader in the fields of alum and sizing chemistry, chlorine dioxide

and bleaching

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Barry W. Crouse



Barry W. Crouse is director of development for the Institute of Paper Science and Technology in Atlanta, GA. Elected to TAPPI's Board of Directors in 1990, Crouse will complete his three-year term in April 1993. He currently chairs the Board's Member Services Committee and participates on its Coordinating, Goals and Planning, Test Methods Management, and Research Committees. Before being named to the Board, Crouse served on the former Human Resource Development Committee.

A TAPPI member since 1968, Crouse has served as secretary, vice chairman, and chairman of the Paper and Board Manufacture Division's

David H. Dumas



David H. Dumas is director of technology, Europe for Hercules Inc. in Barneveld, The Netherlands. Dumas is an expert on alkaline sizing product development and reactive sizing. His technological

Carl C. Landegger



Carl C. Landegger is chairman of Black Clawson Co. in New York, NY. For over 35 years, Landegger has been involved in the development, financing, engineering,

David H. Dumas, Lennart Eriksson, James C. Farrand, Ted C. Kennedy, Carl C. Landegger, J. Martin MacLeod, Francis R. Marchetti, Bo G. Norman, James H. Stovall, James H. Tomlinson, Jay H. Vreeland, Charles G. Whelpton, and Ronald A. Yeske.

Jerry H. Ballengee



Jerry H. Ballengee is executive vice president of Union Camp Corp. in Wayne, NJ. Elected to TAPPI's Board of Directors in 1990, Ballengee will complete his three-year term in April 1993. He currently chairs the Board's Publications Committee (formerly the Journal Committee). He has been a TAPPI member since 1967.

Ballengee earned a B.S. in mechanical engineering from the Virginia

Willard E. Carlson



Willard E. Carlson is president of W. E. Carlson Associates in Hilton Head, SC.

Carlson is an acknowledged expert in refining and refiners, especially unbleached kraft pulp and recycled fiber. As a consultant, his work has resulted in significant energy reductions, enhancement of fiber properties, and capital improvements for mills he has served. He is a recognized authority on the manufacture of shipping sack papers and developed the theory of recoverable strain, leading to higher performance papers. Carlson also has made significant contributions to testing of packaging papers and paperboards, particularly the statistical analysis of data. Most recently, he has focused his efforts in

own consulting firm in 1981.

Carlson has been a representative of the Technical Division of the Fourdrinier Kraft Board Group of the American Paper Institute, working toward revisions of corrugated shipping container requirements. He has served as a member of the Technical Advisory Group for international standardization for the American National Standards Institute.

Gerard P. Closset



Gerard P. Closset is vice president—technology for Champion International Corp. in West Nyack, NY. Elected to TAPPI's Board of Directors in 1990, Closset will complete his three-year term in April 1993. He serves on the Board's Executive, Coordinating and Research

Lennart Eriksson



Lennart Eriksson is vice president of the Swedish Pulp and Paper Research Institute (STFI) in Stockholm, Sweden. A leader in research and development, Eriksson has made significant contributions in the measurement and control of pulp and paper processes. His work has focused in the areas of sensors (primarily optical), millwide control systems, and environmental control. He has the au-

James C. Farrand



James C. Farrand is technical director for James River Corp. in Milford, NJ. Elected to TAPPI's Board of Directors in 1990, Farrand will complete his three-year term in April 1993. He has been a member of the Board's Goals and Planning and former Human Resource Development Committees and has served for three years on the Marketing Committee.

Ted C. Kennedy



Ted C. Kennedy is chairman and chief executive officer for BE&K Inc. in Birmingham, AL. For 40 years, Kennedy has pioneered innovative engineering design and construction management concepts and methods for pulp and paper manufacturing facilities. His work has significantly contributed to the growth and prosperity of many companies and the industry as a whole.

J. Martin MacLeod



J. Martin MacLeod is senior scientist in chemical pulping at the Pulp and Paper Research

Institute of Canada (PAPRICAN) in Pointe Claire, PQ, Canada. MacLeod has been a leader in alkaline pulping research; bleaching; and pulp strength, quality, and performance. His demonstration, through a series of experiments, of the loss of strength in kraft pulping when the pulp is blown from batch digesters is considered one of his outstanding contributions to the industry. With M. Cyr and D. Embley of Irving Pulp and Paper Ltd., he solved the problem by developing a patented process of pumped discharge.

MacLeod pioneered the subject of pulp strength delivery in chemical pulp mills, investigating the measured ability of particular fiber lines and equipment to provide optimal pulp strength and quality. His investigations have included information on the physical properties of kraft pulps from a wide range of wood species, and his experimental work has been performed in mills in several countries.

MacLeod has contributed to the scientific and technological considerations of using anthraquinone and similar compounds to improve alkaline pulping operations, including the

nars, and consulted on research in Canada and the United States. He has taught chemical pulping, wood chemistry, and product quality and performance at PAPRICAN, spoken at international meetings, and helped create the comprehensive Introduction to Pulp and Paper Technology Course for the Technical University of Nova Scotia.

A TAPPI member since 1970, MacLeod has made presentations at Pulping Conferences for the past 15 years and has taught the leading edge of kraft pulping technology at TAPPI Kraft Pulping Short Courses. Also as a member of the Technical Section of the Canadian Pulp and Paper Association (CPPA), he has lectured at its Kraft Pulping and Recovery Course and has developed conference sessions on kraft pulping for both CPPA and TAPPI.

MacLeod earned a B.S. from McGill University and an M.S. and Ph.D. from the Institute of Paper Chemistry (now the Institute of Paper Science and Technology). He joined PAPRICAN in 1975.

Francis R. Marchetti



Francis R. Marchetti is senior director of technical service for Engelhard Corp. in Iselin, NJ. Elected to TAPPI's Board of Directors in 1990,

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Bo G. Norman



Bo G. Norman is professor of paper technology at the Royal Institute of Technology (KTH) and senior researcher for the Swedish Pulp and Paper Research Institute (STFI) in Stockholm, Sweden. Norman has made significant contributions to the industry through his work as a researcher and a professor for the last 30 years. He

James H. Stovall



James H. Stovall is senior vice president of administration for SEC Donohue Inc. in Greenville, SC. Stovall is respected for his vision and dedication to environmental science and engineering. Early in his career, he focused new technology on mitigating the environmental impacts on receiving streams. He has been applauded for his work to improve

...board of the Charleston Southern University. He and his wife have participated in Baptist missions to Brazil, England, and in 1991, led an environmental group to the Commonwealth of Kazakhstan, one of the 15 former Soviet republics. He coordinated a return visit of 30 Kazakh professionals to South Carolina in 1992.

James H. Tomlinson



James H. Tomlinson is retired vice president of Roy F. Weston, Inc. Tomlinson has specialized in environmental assessments, engineering management, and air and water quality studies. He has been a leader in TAPPI's Environ-

Jay H. Vreeland



Jay H. Vreeland is division vice president and director of research for S. D. Warren Co., Division of Scott Paper Co. in Westbrook, ME. Vreeland is respected for his work in paper coating technology, particularly in the areas of thermal finishing and soft-nip supercalendering. He holds four patents for methods for finishing coated paper and for finishing paper using substrata thermal molding, and significantly contributed to the coating industry and to S. D. Warren. Since joining S. D. Warren in 1961, Vreeland has devoted much of his career to the development of new and improved products for S. D. Warren's

...of research before being promoted to his current position in 1983.

Charles G. Whelpton



Charles G. Whelpton is retired licensing manager for Champion International. An authority on paper coating with over 40 years of experience, Whelpton is respected for his leadership in coating installations for paper and board companies. He has been responsible for the engineering, design, and installation of coating systems, as well as the training manuals for all levels of employees. He has managed numerous initial trials, which included ensuring that the paper or board furnishes would operate with the new systems. His work has led many companies to improved

Ronald A. Yeske



Ronald A. Yeske is professor and dean of the College of Engineering for the University of Wisconsin in Platteville, WI. Yeske has made significant contributions to the industry through technical advances in material sciences and corrosion engineering, management of major research programs, and academic training for students seeking paper industry ca-

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James C. Abbott

James C. Abbott has been a measurement specialist in the Paper Products Division of The Procter and



Rajai H. Atalla

Rajai H. Atalla heads Chemistry and Pulp Research at the USDA Forest Service's Forest Products Laboratory in Madison, WI. He has made significant contributions to the industry by discovering new facets in the structure and morphology of cellulose, bringing focus and clarity to the ongoing controversy associated with cellulose structure. Among his professional achievements is research demonstrating the existence of polymorphism in native cellulose. Atalla has shown the relevance of his results to the transformation of fiber structure during pulping operations as well as in novel processes such as steam explosion and press drying. He has applied new techniques to the study of lignin in wood fibers and has proposed original concepts concerning the ultrastructure of lignin in the cell wall. His work also shed light on the structural

Atalla received his B.S. degree from Rensselaer Polytechnic Institute in 1955 and later earned his M.S. and Ph.D. degrees in chemical engineering from the University of Delaware. In 1960, he became a research engineer with Hercules Research Center before joining The Institute of Paper Chemistry as an associate professor in 1968. He then worked as a principal research scientist with the Institute until 1989. Atalla accepted his current position with the USDA in the Forest Products Laboratory in 1989. He also teaches as an adjunct professor at the University of Wisconsin in Madison, WI, and The Institute of Paper Science in Atlanta, GA. Atalla was elected as a Fellow of the International Academy of Wood Science in 1992.



Wayne M. Bundy

Wayne M. Bundy is a retired vice president of technology with the Georgia Kaolin Co. He is recognized in TAPPI as one of the out



James L. Burke

James L. Burke is president and chief operating officer of Southeast Paper Manufacturing Co. in Dublin, GA. He is an ac-

knowledgeable expert in pulp and paper mill design and operations, particularly in the development of operating processes in the area of recycling. He has been instrumental in the machinery development and quality improvements necessary to stay competitive with virgin newsprint. Under his direction, engineers and production experts tailored new technology to capture and thicken waste fibers and ink, and recycle them as "fiber fuel." Burke has also written numerous ar-



Wayne H. Gross

Wayne H. Gross is TAPPI's director of International Operations. In this position, he is responsible for the develop-

ment of TAPPI's international activities. The position was created in 1990 as a result of TAPPI's ongoing commitment to serve its growing international membership. He has been with TAPPI since 1974, serving as division administrator, exhibits manager, and director of meeting and exhibits. In addition, he serves as the executive director of the Pulp Chemicals Association.

In 1992, Gross received the Georgia Society of Association Executives'



Frederick C. Haas

ex-officio member of the ASAE board. He has been an instructor at ASAE convention management courses and has been a speaker at numerous ASAE and CESSE meetings. In 1989, Gross was selected as an ASAE Fellow and was awarded the ASAE Diamond Award of Excellence in 1990.

Frederick C. Haas is senior vice president of Westvaco Corp. in New York, NY. His career has encompassed research, production and plant management, and corporate general management. He has worked to promote technical competence and expand technical ho-

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Julio Molleda is chairman of the Spanish Pulp and Paper Technical Research Association in Madrid, Spain. He has been active in the pulp

and paper industry and in forestry for 50 years. He has been a TAPPI member since 1953. He is recognized for his contribution to the development of eucalyptus pulp production and use and the development of massive, fast-growing industrial plantations for the pulp and paper industry. From 1953 to his retirement from active service in 1988, Molleda worked for the Instituto Nacional de Industria (National Institute for Industrial Development) in Madrid, promoting, creating, and developing pulp and paper activities. From 1965 until 1981, he



Peter Seifert

is vice president of research and development for Black Clawson Co. in Middletown, OH. He has been associated with more than 30 patents and has been a driving force behind many important developments in such areas as secondary



Allan M. Springer

is a professor of paper science and engineering at Miami University in Oxford, OH. He has contributed to the advancement of

the paper industry through his research and technical activities, his service to TAPPI, and his role in educating young men and women for careers in the paper and related industries. His research efforts have focused on environmental technology and papermaking chemistry. His best known environmental work has concentrated on water reuse strategies in the paper industry and the impact on papermaking operations. He was one of the first advocates of application of advanced instru-



Herbert O. Teeple

is a retired TAPPI technical division administrator. He was a TAPPI Sustaining Member representative for International Nickel

Co. from 1944 until 1957 and has been an individual member since 1955. From 1950 until 1958, he was active in TAPPI's Engineering Division, serving as secretary of the Chemical En-



John C. Walker

is senior vice president, production and sales, Western and Central Container Divisions at

Longview Fibre Co. Since joining TAPPI in 1976, he has been an active leader in the Corrugated Containers Division. He has held all the division chairs and has served as chairman of the Senior Ad-

versities. He is a member of TAPPI, CPPA, ACS, Sigma Xi, Industrial Research Institute, and American Men of Science. He is a native of Buffalo, NY, holds a B.S. degree in chemical engineering from Purdue University and an M.S. degree in nuclear engineering and a Ph.D. degree in chemical engineering from Rensselaer Polytechnic Institute. In addition, he completed Harvard University's Advanced Management Program. In 1993, Purdue University honored him with its Distinguished Engineering Alumnus Award and its Outstanding Chemical Engineer Award.



Clarence H. N. Hodgson

of MacMillan Bloedel Containers joined TAPPI in 1975, and has been an active

leader in the Corrugated Containers Division. He has served in all chairs of the division as well as those of the division's Production Committee. As



Steven C. Mason

is chairman and CEO of Mead Corp. in Dayton, OH. Having been a TAPPI member since 1962, he has promoted the technical development of

people by encouraging their participation in organizations such as TAPPI. He is recognized as a CEO who encourages the development of technical competence in his organization. A member of the Institute of Paper Science and Technology (IPST) Board of Trustees, he served as its chairman during a period when the institute was moved from Appleton, WI, to Atlanta, GA.

Mason earned his B.S. degree in mechanical engineering from the Massachusetts Institute of Technology. In 1957, he joined Mead and held various engineering and production positions at the paper mills in Chillicothe, OH, and Kingsport, TN. He became general manager of Schoeller Technical Papers, Inc.—a former Mead affiliate—in 1970 and later was named



Oscar W. May

is a retired manager of product development for Buckman Laboratories International, Inc. Having been a TAPPI member since

1967, he has been an asset to the Association's Paper and Board Manufacture Division. He has held all the division's chairs, having previously moved up through the chairs of the Papermaking Additives Committee. May served as seminar chairman for the 1977 Retention and Drainage Seminar, technical program chairman for the 1981 Papermakers Conference, and conference chairman for the 1985 and 1986 Papermakers Conferences. He also participated as a speaker and a panelist at several TAPPI functions and served on Board advisory committees. In 1990, May received the Paper and Board Manufacture Division Technical Award and Harris. D. Ware Prize.

Elected to TAPPI's Board of Directors in March 1991, May has served on the Board's International and Exhibits and Meetings committees.

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LEONARD R. DEARTH



Leonard R. Dearth is a self-employed consultant based in Appleton, WI. He began his career as an instructor at the Institute of Paper Chemistry (IPC) in Wisconsin (now the Institute of Paper Science and Technology in Atlanta, GA) in February 1940, where he became one of the first electron microscopists in the United States. In the early years of his career, he did some work for the U.S. Secret Service in the area of spectroscopy to aid in the identification of counterfeit currency. Later, he became internationally known for his work in measuring the optical properties of paper, such as color and color difference, brightness, gloss, and opacity. For several years, he successfully managed IPC's international standardization system for brightness and expanded it to include the standardization of color. He is credited with helping establish the international system of calibration for the brightness test. Dearth also worked on Project "A" which culminated in the development of a filter paper used by the Air Force in their "high altitude sampling program" for mapping radioactive debris in the upper

atmosphere as a result of atomic bomb testing. Dearth retired from IPC after 41 years, including two years in the military.

Having been a TAPPI member since 1963, Dearth has been active in TAPPI's Optical Methods Committee. He has authored or coauthored 22 technical papers and has been involved in laboratory work leading to the publication of dozens of instrumentation studies. He has also presented papers at several TAPPI conferences. Dearth wrote the chapter on optical properties in volume nine of the *Pulp and Paper Manufacture Series*, published by TAPPI PRESS. In addition, he was involved in developing a paper machine optical monitoring device which is patented in Canada.

DAVID S. DILLARD



David S. Dillard is senior research engineer for the National Council for the Paper Industry on Air and Stream Improvement (NCASI) in Gainesville, FL. He earned a bachelor's degree in chemical engineering from the University of Alabama and his master's and doctorate degrees in chemical engineering from the University of Colorado. Dillard

Dillard recently completed a three-year term on TAPPI's Board of Directors, where he served as chairman of the Communications and Research committees. He joined TAPPI through its Southeastern Local Section in 1973. In 1981, he joined the Southwest Local Section and the Southwest Technical Management Committee where he served as vice chairman and chairman. He continues to be active in TAPPI's Research and Development Division and recently served as chairman of the Research Management Committee.

Dillard has presented and published technical papers at several TAPPI and NCASI meetings. He holds several patents in solution mining and won the American Paper Institute/National Forest Products Association Energy Innovation Award for his research on the total heat recovery black liquor oxidation process.

LUCILLE D. HAHN



Lucille D. Hahn is testing engineer at Champion International in West Nyack, NY. Having been a TAPPI member since 1983, Hahn has served as chairman, vice chairman, and secretary of the Process and Product Quality Division. Most recently she was awarded the divi-

ROBERT B. KINSTREY



Robert B. Kinstry is director of technology for the Pulp and Paper Division of RUST Engineering and Construction in Birmingham, AL. He earned a

bachelor's degree in pulp and paper from the State University of New York at Syracuse (SUNY) and a master's degree in industrial management from Clarkson University. Presently

KUNIO HATA



Kunio Hata is senior scientific advisor at Nippon Paper Industries Co., Ltd. in Tokyo, Japan. He received his

Science and Doctor of Science

JOHN H. SCHULZ



John H. Schulz is director of product development at Champion International Corp. in West Nyack, NY. He received his bachelor's

degree in chemical engineering from Brooklyn Polytechnic Institute and later received a master's degree and a doctorate from the Institute of Paper Chemistry in Wisconsin

THOMAS J. McDONOUGH



Thomas J. McDonough is professor of engineering and associate director of academic affairs at the Institute of Paper Science and Technology (IPST) in Atlanta, GA. He earned his bachelor's, master's, and doctorate degrees in chemical engineering from the University of Toronto in Toronto, ON, Canada. He began his career in the paper industry as a research engineer with Canadian International Paper Co. in 1962. He then joined Canadian Industries Ltd. as a research engineer in 1972. In 1978, he began working for IPST and has since advanced to his current position.

WILLIAM T. MCKEAN



William T. McKean is professor of forest resources at the University of Washington in Seattle, WA. He earned a bachelor's degree in chemical engineering from the University of Colorado and a doctorate in chemical

ROGER VAN EPEREN

Roger Van Eperen, a resident of Kaukauna, WI, recently retired as principal associate technologist for the Institute of Paper Science and Technology (IPST) in Atlanta, GA.

During his 45-year employment with IPST, Van Eperen held every position of the Institute's technical specialization including technician, principal technical associate, and group leader.

A TAPPI member since 1979, Van Eperen serves as a member of the Physical Properties, Pulp Properties, Optical Properties, and Quality Man-



...has authored more than 15 papers. He has coached the lab work of nearly 400 students at IPST; he has contributed significantly to the industry's knowledge of paper and board testing, basic strength characteristics, and quality management.

JAMES L. FERRIS

James L. Ferris is president of the Institute of Paper Science and Technology (IPST) in Atlanta, GA.

A native of Washington, Ferris earned his bachelor's degree in chemical engineering from the University of Washington. He later earned his master's and doctorate degrees from Lawrence University, affiliated with the Institute of Paper Chemistry,



and a trustee of the Georgia Tech Research Corp.

LARRY L. GRAHAM

Larry L. Graham is chairman, University of Wisconsin-Stevens Point paper science department.

A TAPPI member since 1970, Graham has been an active member of the Lake States Local Section for 19 years. He was formerly the Lake States representative to the Local Section Operations Council (LSOC) and is current chairman of the LSOC. He has served on the Human Resources Development Committee of the Board of Directors, as chair of the Academic Relations Subcommittee, and as chair of the



Kubes earned his bachelor's and master's degrees in engineering from the Technical University of Prague, Czechoslovakia (now the Czech Republic). He went on to earn a doctorate from the Technical University of Bratislava, Czechoslovakia (now Slovakia). Kubes began his career as chemical control superintendent for the North-Bohemian



M. BRUCE LYNE

M. Bruce Lyne is senior manager, paper product development, for International Paper, Erie, PA.

Lyne has been a TAPPI member since 1970, serving as the 1991-1992 chairman of the Polymers, Laminations and Coatings Division and previously, as chairman of the Coating and Graphic Arts Division. He also headed the Publications Committee of the Technical Operations Council and served on the Board's Education and Marketing Committees. Lyne first chaired TAPPI's *Paper Express* campaign to interest children in science and engineering careers in the paper and related industries. As a member of TAPPI's Public Outreach Committee, he has created several Wizard science modules including the most recent on paper recycling. He has authored more than 50 articles and presented more than 25 papers at TAPPI conferences. He chaired the 1988 TAPPI Coating Conference and the first International Printing and Graphic Arts Conference. Currently, he chairs the Research Committee of the Board of Directors and serves as a member of the Board's International and Public Outreach committees.



...scientist at the Finnish Pulp and Paper Research Institute, L'Ecole Francais de Papetrie, and the University of Tokyo. Lyne completed a guest professorship in Stockholm at the Royal Institute of Technology in 1993 and is currently an adjunct professor at the University of Toronto. As Appita's 1992 Annual Visiting Speaker, he made a lecture tour to all of the pulp and paper mills in Australia and New Zealand. As a member of TAPPI's International Committee, Lyne recently represented TAPPI at the ATIP meeting in France, and the ABTCP meeting in Brazil.

DAVID A. MARKGRAF

David A. Markgraf is senior vice president of Enercon Industries Corp. in Menomonee Falls, WI.

A Wisconsin native, Markgraf earned a degree in business administration from Milwaukee Technical College and later attended the University of Wisconsin. Through the 1960s and 1970s, he worked in several marketing and sales management positions, including running his own printing company. He began working for Enercon in 1980 as a sales manager, later being promoted to marketing manager and vice president of marketing before achieving his current position.



Converting Committee. Currently, he is serving as founding chairman of the Division's International Committee, which has recently sponsored symposia in India, Brazil, the United Kingdom, and Germany. Markgraf has been a frequent speaker at seminars and short courses, as well as the annual Polymers, Laminations and Coatings Conference. He is also a member of the TAPPI Board of Directors' International Committee.

A recognized expert in the area of corona treatment, Markgraf teaches fundamental printing courses at Fox Valley Technical College. His writing has appeared in *TAPPI JOURNAL* and in numerous TAPPI PRESS proceedings. He is a member of the Society of Plastics Engineers and the Converting Equipment Machinery Association, for which he has served on the membership committee, chaired the public relations committee, and served as a board member.

KLAUS MOLLER

Klaus Moller is development manager (paper) for Norske Skog's corporate R&D organization, Norske Skog Teknikk, in Hønefoss, Norway.

A native of Denmark and citizen of New Zealand, Moller earned his doctorate degree from Auckland University in New Zealand. In 1973, he began working at the Swedish Forest Prod-



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DONALD W. LAWTON

Donald W. Lawton, a resident of Holden, MA, is vice president of sales for Advance Systems Inc. (ASI) of Green Bay, WI.

Lawton earned a degree in mechanical engineering from Wentworth Institute. He began his engineering career at Rice Barton Corp. as senior project engineer in 1958. In



HERBERT G. SCHAEFER

Herbert G. Schaefer is a senior account manager for Inx International Ink Co. and currently resides in Lady Lake, FL.

A TAPPI member since 1977, Schaefer has served as chairman of the Corrugated Containers Division and twice as chairman of the Division's Printing Committee. He has also chaired the Division's Planning Council and held numerous other national and local leadership positions before his election to the TAPPI Board of Directors. He was awarded the Cor-



STANLEY F. SOB CZYNSKI

was educated at Loyola College in Baltimore, MD, earning a bachelor's degree in both mathematics and engineering physics. He worked almost 10 years as a junior and associate engineer in sensor design for aircraft and missile technology at Bendix Aviation and Martin Marrietta in Baltimore. Following this, Sobczynski went to work for the U.S. government, serving four years in the Navy, approximately 13 years with the Department of Defense, and about seven years with the Department of Treasury in DC.



RICHARD J. SPANGENBERG

Richard J. Spangenberg is director of recycling research at Weyerhaeuser Technology Center in Tacoma, WA.

He is a native of Philadelphia, PA, and earned his bachelor's degree in mechanical engineering at Villanova University. He went to work for Dorr Oliver Inc. as a design engineer in 1956. In 1964, he joined Jones Beloit as a division chief engineer, where he worked until accepting a senior process engineer position with Weyerhaeuser in 1974. He left Weyerhaeuser in 1985 to become manager of secondary fiber for Marathon Engineers. Two years later, he accepted a position as business development manager for HNTB Engineers, where he worked until returning to Weyerhaeuser in 1989 to assume his current position.

A TAPPI member since 1966, Spangenberg served as chairman of the Pulp Manufacture Division in



used as a textbook at the University of Washington. He was a reviewer of the definitions relating to paper recycling that appear in the new *Dictionary of Paper*. He has published numerous papers and last year was appointed contributing editor for the recycling section of *TAPPI JOURNAL*.

Spangenberg is also a member of the American Society of Testing and Materials (ASTM).

HELMUT STARK

Helmut Stark is director of the Paper, Pulp and Fiber Technology Institute and the Research and Development Center for Pulp and Paper Technology at Graz Technical University in Graz, Austria.

Stark earned his doctorate in pulp and paper mechanical engineering from Graz Technical University. While attending school, he worked as a development engineer at the R&D



where he served in all chairs of the Process Control Committee and chaired the 1989 Process Control Conference. He received the Exemplary Service Award from that committee in 1992. Wallace has served as marketing development officer of the Engineering Division Council. He is a frequent panelist at TAPPI conferences, and several of his technical papers have been published in *TAPPI JOURNAL*. Wallace served a three-year term on the journal's editorial board. He is currently a member of the TAPPI Board of Directors' Executive, Goals and Planning, and Annual Meeting and Exhibits committees.



MICHAEL D. WALLACE

Michael D. Wallace is director of R&D for Mead Corp. in Chillicothe, OH.

Wallace led the efforts to create TAPPI's Process Control, Electrical & Information Division and served as its first chairman. Before this Division was founded, Wallace was active in the Engineering Division,

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1999



Chang



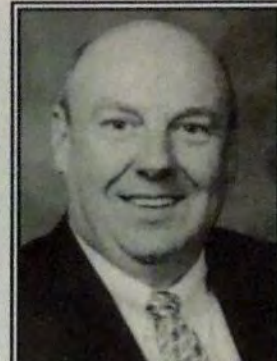
Ebeling



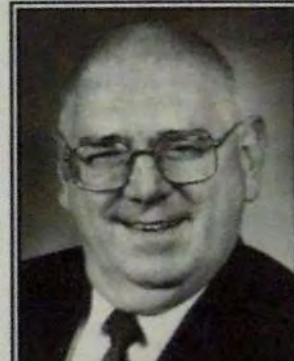
Franklin



Neighbors



Potts



Peakes



Sprague

2000



Dr. Said M. Abubakar, supervisory research chemical engineer, Forest Products Laboratory in Madison, WI, USA, received his doctorate in Chemical Engineering from Michigan State University. From 1982-1985 he worked as an assistant professor for Yarmouk University-Jordan. Following that Abubakar worked as assistant, associate, then full professor at the University of Wisconsin-Stevens Point from 1985-1993. He then joined the USDA Forest Service, Forest Products Laboratory in 1993 as research project leader/supervisory chemical engineer.

Abubakar specializes in the areas of paper recycling research: fiber fractionation, contaminants removal, ultrafiltration, enzymatic deinking, fiber loading and pulping. He has authored more than 130 papers, written a book and co-



Kathleen M. Bennett, vice president-environment, safety & health for Fort James Corporation in Deerfield, IL, USA, holds a bachelor of arts degree from Manhattanville College. In 1974, she joined the American Paper Institute (now the American Forest and Paper Association)



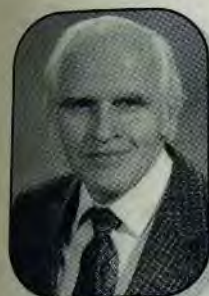
David A. Carlson, director of quality assurance for Smurfit-Stone Container Corporation in Chicago, IL, USA, holds a bachelor of science degree in mechanical engineering and an

MBA, both from Northwestern University. He began his career in 1964 as an engineer at Container Corporation of America, where he worked until 1973. Subsequently, he worked at Hoerner Waldorf as an engineer (1973-1980), Champion International as Manager of Quality Assurance (1980-1986), Stone Container Corporation as Manager of Quality Assurance (1986-1998) and Smurfit-Stone as Director of Quality Assurance (1998-present).



David J. Cooper, consultant, David J. Cooper & Associates, Inc., McLean, VA, USA, received his first class bachelor's and master's degrees in Chemical Engineering from Cambridge

University in the United Kingdom. From 1961-1994 he was with Procter & Gamble, holding positions in their European



J. David Pfeiffer, president, JDP Innovations Inc., Hudson Heights, Que., Canada, received his bachelors and masters degree in Electrical Engineering from Cornell University. In

1963 Pfeiffer joined Beloit Corp. as a Research Engineer. From Beloit he went to Dynasciences Corp. as Manager New Product Development. In 1969 he rejoined Beloit as Chief Research Engineer.



James F. Staley, eastern sales manager for Lamb Grays Harbor Company in Mobile, AL, USA, earned a bachelor of science degree in engineering from Pennsylvania State University.

He began his career as an industrial engineer with Westvaco Corporation in 1955. Subsequently, he worked



Dr. Honghi Tran, professor, University of Toronto, Ont., Canada, received his bachelors and masters degrees in Ceramic Engineering from Shizuoka University, Japan, in 1975

and 1977 respectively. Tran worked as a process engineer for Nippon Electric Glass Co., Japan until he went to Canada in 1978. After receiving his doctorate in Chemical Engineering from the University of Toronto in 1982, Tran worked for Douglas Reeve & Associates, Toronto, as a senior research scientist. In 1987, he joined the University of Toronto working

2001



2002

TAPPI Fellows



G. Gordon Bugg



Theron T. Collins



Karl L. Eriksson



J. Philip E. Jones



John Klungness



Gopal A. Krishnagopalan



Hannu P. Makkonen



Robert J. Millikan



Herbert Ortner



Richard B. Phillips



Gregory L. Wedel

2003



Carlos A. L. Aguiar
president and CEO
of Aracruz Celulose S.A



Joseph S. Aspler
senior scientist, Pulp and Paper
Research Institute of Canada



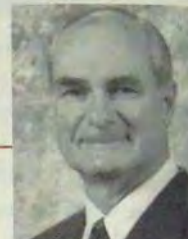
Anders Björkman
professor emeritus
Technical University
of Denmark



Robert J. Eamer
president, Target Forest
Consulting, retired Domtar



Donald A. Ely
retired from Beloit
Corporation in 1986



Lawrence A. Gaspar
technical director
ONDEO Nalco Company



Byron Jordan
head of optical standards
Pulp and Paper Research
Institute of Canada



Michael A. MacGregor
of MacGregor Paper Consulting



Mark R. McCollister
northeast regional manager
for C. A. Lawton Company



Richard W. Perkins, Jr.
professor emeritus
Syracuse University



Delmar R. Raymond
director of strategic
energy alternatives
Weyerhaeuser Company



Edward L. Riley
president of ELR Inc.



David R. Roisum
president of Finishing
Technologies, Inc.



Masateru Tokuno
president
SK Engineering Ltd.

2004



(left to right)
Leroy J. Barry
John V. Benham, III
Anita Doepke
Mahendra R. Doshi
Marc F. Foulger



Gyosuke Meshitsuka
Albert B. Moore
Arthur J. Ragauskas
Jeffrey R. Reese
John A. Roper III



Barbara S. Russell
Yngve Stade
Joseph Wilson, Jr.

2008



2009



2010



2011



2012



2013



2014



2015



2016



2017

