

History of the Pulp and Paper Industry Committee

RICHARD H. HALE, MEMBER IEEE

INTRODUCTION AND BRIEF HISTORY

THE IEEE IAS Pulp and Paper Industry Committee had its beginnings in 1955 as the Subcommittee on Pulp and Paper Industry of the Committee on General Industry Applications of the American Institute of Electrical Engineers (AIEE). There were originally 22 members.

SUBCOMMITTEE ON PULP AND PAPER INDUSTRY OF THE COMMITTEE ON GENERAL INDUSTRY APPLICATIONS 1955-1956

S. A. Bobe, Chairman
Westinghouse Electric Corp.
1299 Northside Drive, N.W. Atlanta, GA

G. I. Burner, Vice Chairman
Rust Engineering Company
575 Sixth Avenue
Pittsburgh, PA 15219

S. J. Campbell, Secretary
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N. L. Danforth, Bucksport, ME
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H. S. Drinker, Foxboro, MA
R. A. Jamison; Cleveland, OH
E. J. Justus, Beloit, WI
T. A. Likos, Boston, MA
P. E. Mullins, Wilmington, DE
E. K. Murphy, New York, NY
V. S. Oakes, Erie, PA
M.J. Osborne, Calhoun, TN
E. H. Overby, Savannah, GA
H. M. Reed, Mobile, AL
H. A. Rose, Seattle, WA
G. E. Shaad, Schenectady, NY
S. A. Staege, Hamilton, OH
M. M. Stokely, Greenville, SC

This subcommittee became very active and held their first Annual Pulp and Paper Conference at Gainesville, FL, on March 8-9, 1956, in conjunction with local AIEE and the University of Florida. This conference was very successful in all respects. The total registration was 92, which included some 30 to 35 mill people. The group was small enough to make a very close, friendly, and enthusiastic group with nearly 100 percent attendance at all sessions, including the luncheon and banquet. The registration fee was \$2.50.

The papers were well received and the discussion had to be stopped on practically every paper because of lack of time. At the conclusion of the conference, a committee meeting was held, and action was taken as follows:

- a) The next conference was to be held on Thursday and Friday, March 28-29, 1957, in cooperation with Georgia Tech at Atlanta, GA.
- b) All future conferences would be one per year and at different locations, preferably colleges. (This was continued through 1961 after which the conference began to meet at various cities throughout the U.S. and Canada)
- c) The subcommittee recommended that two of the papers presented at Gainesville be considered by AIEE for TRANSACTIONS papers. These papers were
 - 1) "Choosing the Right Conduit for Pulp and Paper Mills" by Mr. V. S. Oakes.
 - 2) "The Selection of Electric Winder Drives for the Paper Industry" by Mr. M. H. Fisher.
- d) A number of requests were received for the permission to publish any or all of the conference papers. All except the two papers selected for TRANSACTIONS papers have been published in the various trade magazines.
- e) Selection of Subcommittee Officers:
Officers would be elected for two-year term beginning on August 1, 1956. The nominating committee for the new officers would consist of five members-current chairman, vice chairman, secretary and the two most recent past chairmen. Messrs. Overby and Shaad were made members of the nominating committee since there were no past chairmen
- f) Officers were selected and in addition, the membership of the committee increased from 22 to 27, including new members R. J. Dineen and N. L. Herber who joined in February 1957.

PULP AND PAPER INDUSTRY SUBCOMMITTEE OF THE COMMITTEE ON GENERAL INDUSTRY APPLICATIONS 1956-1957

G. I. Burner, Chairman
Rust Engineering Co.
575 Sixth Avenue
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S. A. Bobe, Atlanta, GA
W. H. Buford, Hodge, LA
S. J. Campbell, East Pgh., PA
A. C. Cook, Cincinnati, OH
N. L. Danforth, Toledo, OH
Craig Davis, Hamilton, OH
R. B. Dirksen, Kenosha, WI
H. S. Drinker, Foxboro, MA
C. L. Eletson, Alton, IL
C. A. Fletcher, Pine Bluff, AR
R. A. Jamison, Cleveland, OH
E. J. Justus, Beloit, WI
P. G. Leigh, Green Bay, WI
T. A. Likos, Boston, MA
V. S. Oakes, Erie, PA
M. J. Osborne, Calhoun, TN
E. H. Overby, Savannah, GA
H. M. Reed, Mobile, AL
H. A. Rose, Seattle, WA
G. E. Shaad, Schenectady, NY
S. A. Staage, Hamilton, OH
M. M. Stokely, Greenville, SC

The committee has continued to grow to its present size of 96 members. There have been 15 chairmen on the committee. They are as follows:

S. A. Bobe	1955-1956
G. I. Burner	1957-1958
C. H. Hudson	1959-1960
J. M. Yarbrough	1961-1962
C. L. Eletson	1963-1964
J. S. Kirtland	1965-1966
R. P. Derrick	1967-1968
N. L. Heberer	1969-1970
R. J. Farrell	1971-1972
C. L. Griffin, Jr.	1973-1974
K. I. Sinclair	1975-1976
H. L. Harkins	1977-1978
J. E. Stutts	1979-1980
B. B. Prater	1981-1982
R. O. Meihofner	1983-1984

In 1968, the committee instituted the Meritorious Achievement Award to annually honor an individual, whose outstanding performance related to his career has made substantial contributions which serve to further the objectives of IEEE in the Pulp and Paper Industry. The initial recipient was one of the founders of the committee. An award was not presented in 1972. The complete list of awards is as follows:

1968	S. A. Bobe
1969	H. B. Greear
1970	M. J. Osborne
1971	R. R. Baker
1973	J. S. Kirkland
1974	W. C. Bloomquist
1975	R. P. Derrick
1976	L. R. Mower

1977, N. L. Heberer
1978, C. H. Hudson
1979, J. M. Bentley
1980, G. E. Shaad
1981, E. H. Bucheit
1982, J. E. Stutts
1983, J. W. McAnally.

In 1959, a spouse's program in conjunction with the conference was instituted and has continued as a very popular adjunct to it.

Attendance at the conference has increased appreciably with a record turnout of 302 registered for the full technical program, plus 84 spouses at the 1979 conference in Pittsburgh. The continued excellence of the programs, special events, and participants is evidenced by his continued growth. It serves to verify the work, worth, and progress of the IEEE IAS Pulp and Paper Committee over the past years.

In 1962, the committee instituted a practice now called NPP for new product presentations. These are presentations permitted by manufacturers, firmly held to ten minutes, with no question periods. This has served well to keep the general conference informed.

The major thrust of the committee's activities has always been to present papers and topics for discussion that relate directly to electrical engineering activities as practiced in the pulp and paper industry.

The manufacture of paper is a mature industry. It can trace its beginnings back to the Chinese dynasties, long before the Christian era. It has progressed by evolution from those simple batch type beginnings to the high-speed paper machines of today. It is also, by and large, a very open industry. There are no fundamental "trade secrets" by which one manufacturer holds a decisive advantage over another regarding a specific product.

This industry maturity, reached through evolution, and the fundamental absence of trade secrets, results in the IEEE Pulp and Paper Industry Committee being an excellent forum for electrical progress in the industry.

The trend of the conference sponsored by the committee has always been to present the problems and solutions of the electrical hardware side of papermaking. The starting point is the tree being taken from the woods, then the utilization of its bark and lignin in a mill's steam and electrical cogenerating thermal facilities, to the end point of a properly dried, finished, and packaged sheet of paper ready for the user.

For instance, the programs constantly interweave: the problems and practices of corrosion and electrical protection, of utilizing more efficient light sources, of utilizing more efficient rotating machines, and of the proper use of the latest semiconductor devices and techniques.

From 1955 through 1970 the committee operated without major technical subcommittees. In 1971, the committee organized four major technical subcommittees called

- A) Engineering Management, Maintenance and Construction
- B) Power (Power Distribution)
- C) Drives and Control Systems
- D) Training, Safety, Standards and Codes.

These subcommittees have continued the trend and policy of the committee to present topics of major, technical importance to attendees of the conferences.

Most of the history of the Pulp and Paper Committee was compiled by the following people who delved into the archives to commemorate the committee's 25th Anniversary. Their work digging and probing supplemented the scanty records of the committee's early days to make this report possible.

W. B. Metcalf—Great Northern Paper Company
 C. H. Hudson—General Electric Company
 R. P. Derrick—Simmons Eastern Company
 J. E. Stutts—Abitibi Southern Corporation
 T. A. Likes—Westinghouse Electric Corporation
 A. Rose—Westinghouse Electric Corporation
 Kaarin Kolbre—IEEE Information Services

Silver Anniversary Publication

Editor: M. E. Kunsman
 Westinghouse Electric Corporation

*Coordinator
 of Publishing:* E. R. Woods
 Reliance Electric Company



Richard H. Hale (M'52) received the B.S. degree in electrical engineering from the University of Maine, Orono, Maine, in 1951. He also attended the Westinghouse Advanced School in Electrical Utility Engineering in 1961.

His 32 years of experience performing technical and managerial functions has been within the Central Engineering and Power Systems Departments at the Great Northern Paper Company in Millinocket, ME. He is currently a Chief Electrical Engineer.

Mr. Hale is a member of the Technical Association of the Pulp and Paper Industry and the National Society of Professional Engineers. He is also a Registered Professional Engineer in the State of Maine.