

RALPH L. WENTWORTH

Dynatech Corporation

EDUCATION:

M. S., Chemical Engineering, Massachusetts Institute of Technology.
B. S., Chemistry, Harvard University.

BACKGROUND:

Research Manager, Dewey & Almy
Chemical Division, W. R. Grace & Co.
Industrial Liaison Officer, MIT.
Staff Member, Division of Industrial Cooperation, MIT.
Member: American Institute of Chemical Engineers, American Chemical Society, Sigma Xi, TAPPI, The Chemists Club.
Massachusetts Professional Engineer.

EXPERIENCE:

At Dynatech Mr. Wentworth has been responsible for projects dealing with transport processes in fuel cells, industrial waste recovery, polymer chemistry, metal-to-polymer adhesive bonding, determination of mass transfer coefficients in high-energy fuel systems, the manufacture of filter materials, and glass fiber papers. An important program carried out at Dynatech under Mr. Wentworth's direction has been the development of a practical process for drying paper by radio frequency heating. In these projects, Mr. Wentworth has applied previous experience in applied chemistry and product development. At Dewey & Almy Mr. Wentworth supervised papermaking and polymer research and development for battery separators and latex-saturated specialty paper products. He was responsible for the design and building of a pilot papermaking laboratory which included complete facilities for pulp preparation, papermaking with a 27" Rotoformer, saturation by several processes, coating and drying. Under his direction specialty paper products based on new concepts of porous web structure and fiber treatment processes were developed. He was manager of a laboratory devoted to the testing and evaluation of batteries.

As a member of the Administration at MIT, Mr. Wentworth served as technical liaison representative with the directors of research at a country-wide group of 25 chemical, petroleum and other companies, relating company research with activity in all departments at MIT. For the Office of Naval Research, Mr. Wentworth carried out at MIT a long-term project to establish fundamental knowledge of hydrogen peroxide. This experience ranged over studies of catalytic decomposition mechanisms, investigation of basic chemistry of H_2O_2 , engineering design of catalytic decomposers, and measurements of physical properties. For the OSRD Mr. Wentworth took part in the development of a high pressure hydrogen generator.



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