

Name Thomas H. Wickenden

DU Class 1910 Ex

Present mailing address:

I Twin Oak Rd.
Short Hills, N.J.

Fraternity - Sigma Chi
Honorary Sigma Psi - Phi Lambda-
Upsilon (Michigan)

I (X) do wish to receive future newsletters from the department.

Study after leaving Denison:

<u>School</u>	<u>Dates attended</u>	<u>Major subject</u>	<u>Degree</u>
Univ. of Michigan	1911-1913	Chemical Eng.	B Ch. E.

Positions held:

Employer and Location

American Steel & Wire Co. Waukegan, Ill. 1909 - Machine Design.
1910 - Analytical Chemist
1911 until Sept. when I entered U. of Michigan.
(Automotive Div.)
Studebaker/Corp. Detroit 1911-1920 Metallurgist - Engineering Dept.
At this time the Automobile industry was trying to expand their production, but they were encountering difficulty with breaking, wear and other mal-functioning of parts due to the limited background in design, the specification of materials, especially steels and their proper heat treatments. This presented an unlimited field in determining the cause of failure in Axle shafts, bearings, cam shafts, gears, springs, tappets, engine valves and many other parts. The answers to many of these problems were accomplished by calculating of stress in parts and redesigning - stronger and tougher steel - change of heat treatment or a combination of several of these factors.

Studebaker Corp. 1915-1920, Chief Engineer of the South Bend Plant

This plant was starting to make automotive components - such as stampings, bodies, small forgings, springs, transmission and gray iron castings. The duties and responsibilities consisted of aiding the personnel of the newly organized production departments to interpret blueprints and design, explain engineering and metallurgical specifications and to see that the finished product met these requirements.

Willys Corporation and an Engineering Consulting Firm 1920-1922 Elizabeth & Newark, N.J.

The engineering group that I was associated with designed a new car for the Willys Corporation and later designed and developed the first Chrysler car manufactured by the Chrysler Corp. My responsibility was specifying the various metal materials, especially the steels and their heat treatment.

International Nickel Co. Inc. 1922

New York

I joined the newly formed Development & Research Division in charge of Automotive Developments. I was responsible for developing and technically publicizing nickel containing materials suitable to meeting the engineering requirement of the automotive and manufacturing industries. I aided in designing and equipping the new Research Laboratory at Bayonne, New Jersey, and in starting research on the use of nickel in cast iron, steels, plating and cladding and the developing and securing of patents on several new products.

Assistant Manager 1935

Manager of the D & R Division 1943

During this period, I established Technical Field Offices in many industrial centers, eventually having twelve across the country.

Elected V.P. of the company 1947
Executive and Managerial duties

Reached Retirement Age 1954
Resigned as V.P. but continued as Consultant

Retired 1957

Name of Wife: Dee Shuman, Denison 1910 Married 1916

Names of Children:

Mary Dee, Smith 1939 Born Jan. 5, 1917
(Mrs. Charles E. Schmonsees, Short Hills, N.J.)

Thomas Clinton, Pingree Country Day School Oct. 23, 1920
Amherst 1942

Columbia Physicians & Surgeons, M.D. 1945
Fellow Anesthesiology, Short Hills, N.J.

Additional Comments:

During my active period, I was a member of the following technical organizations:

Society of Automotive Engineers
Committees Iron and Steel - Steel Specifications
Chairman Hardness Conversion Tables
Representative of the SAE on the Iron Alloys Committee of
The Engineering Foundation during the publication of
10 Volumes of the Alloys of Iron Research - Monograph
Series.

American Society for Metals - Handbook Committee

American Society of Mechanical Engineers
Metals Engineering Hand Book Board
Chairman Metals Engineering Division
Chairman Research Executive Committee
Chairman Committee of Admissions

American Society of Mining & Metallurgical Engineers (E x)

American Institute City of New York, Board of Trustees. (E x)
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Denison University - June 9, 1952
Honors Alumni Citation in recognition of outstanding achieve-
ments and services.

The University of Michigan - October 23, 1953
College of Engineering Centennial Citation as a Distinguished
Alumnus in recognition of his outstanding achievements and
his contributions to the development of the field of engineer-
ing.

Denison University - June 10, 1957
Conferred as a loyal alumnus, talented student of science,
internationally recognized researchee in metallurgy, the de-
gree of Doctor of Science.

Biographic data has been published in various issues

American Men of Science

A.N. Marquis Co. publications

Who's Who in the East

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Who Knows and What

1966 Who's Who in America Citation for Educational
Philanthropy.