Tagliatela College of Engineering
then and now
Engineering Education

Industry in America is in its infancy and has only begun to grow. To care adequately for the new growth, refinements, and future developments, there is needed new strength and new ideas. In industry today the man who can present means whereby an operation may be made simpler and more efficient has greater possibilities of success than the man who worked out some of the earlier inventions and refinements. Our trade and technical institutions are filled to overflowing with young men who are eager to have a leading part in these new developments, but all that these institutions can do will not meet the demands. Young men now actively engaged in industry must likewise prepare to assist those who are being more technically trained.

Until recently those who desired to assume a position of leadership in industry entered a minor position and worked slowly up through various departments until, after years of valuable but tedious experience, the details of the industry had been mastered. The highly specialized nature of modern production makes this process extremely difficult and almost impossible. To acquire that technical knowledge and skill which will enable one to make the best use of his abilities and advance most rapidly, means that the shop or technical experience must be supplemented by a thorough and systematic study of the fundamental principles of engineering. This will give:

1. A command over the basic underlying principles of engineering as a science.
2. The development of definite marketable skill through the application of these principles to typical industrial and engineering problems.
3. The development of a habit of thinking which assures clear logical analysis and sound judgment in handling engineering problems.

This training can best be secured by those who are now engaged during the day in industrial enterprises and who cannot leave their jobs to attend a day school, by attending evening schools of engineering under trained instructors who are leaders in industrial establishments.

(New Haven Division) was founded in 1920 to assist men who are employed during the day and yet who keenly desire an engineering education which will supplement their practical experience.

The school does not claim to give the student the same degree of training that he would get if he went to a day technical school of university or college grade. On the other hand, the student will find this training of inestimable value in helping him to assume a more progressive position of leadership in his chosen field of industrial employment.
The History of the University of New Haven

The University of New Haven first originated as an educational institution in the period following the conclusion of World War I. Education for veterans was highly sought and the need for adult education was apparent. Northwestern University organized the New Haven Division, which became the University and located it in the Young Men's Christian Association of New Haven. The first year of the Division saw an average student body of 225 students.

The University grew into three departments at this time: the Engineering Department, a Commerce and Finance Department, and a Preparatory Department, which was known as the New Haven Preparatory School. This program started with less than fifty students in 1923 when it became New Haven Preparatory School.

In May of 1928 the institution changed its name to the State of Connecticut. The New Haven Division of Northeastern University and general administration of the Preparatory School were consolidated in 1933 and renamed as the New Haven College. Within five years later Yale University recognized the college's real need for space and facilities and thus generously donated the Sheffield Scientific School of Yale at the disposal of New Haven College for evening classes. In 1931 Yale also allowed the use of several other buildings and classrooms including, Winchase Hall, Burrle Lab, Levi Oliver Hall, Homestead Mesopotamia Lab, and the Engineering Mechanics Hall. The YMCA's gymnasium was also being used for sporting activities. At this time under Jack A. Greenblatt, New Haven College, the College offered evening instruction in Business Engineering, Liberal and Applied Arts.

Students organizations and activities consisted of such groups as the Student Council, which today is the Dean Student Government, the New Haven College News, a monthly newspaper and under weekly publication and monthly student assemblies. Various given by business and professional people.

When New Haven College reached its 25th year it had four years programs of study in Accounting, Business Administration, Mechanical and Electrical Engineering and Building Construction Engineering.

In 1945 New Haven Y.M.C.A Junior College celebrated its 25th anniversary as an educational institution. Con- gratulations came from all over including the Mayor of New Haven and the President of Yale. At this time Leonard B. Worth was Director of New Haven Y.M.C.A Junior College.

In 1942 New Haven Y.M.C.A College was still exclusively an evening college. Maybe even the only one of its kind at the time. By this time, 1942, the college had also increased its enrollment of 2,200 regular college students and 1,000 special war training students. During this time the college offered an Associate in Science in the Division of Business Accounting and Business Administration. Department of Engineering (Aeronautics, Electrical, Material and Mechanical) and Division of Management (Personnel Supervision and Industrial Administration).

In 1940 until July 1945 the college also carried the responsibility for the administration of special war-training courses with cooperation of Yale. These courses were designed to provide education at the collegiate level to meet specific war needs. They were sponsored by the United States Office of Education and were discontinued following V-E Day.

Letters of Congratulations

1928 Engineers
1920's & 1930's Classes

Chemistry

Physics

Mechanical Drawing

1952 marked the first class in the School of Executive Development (SED): a four-year program for mid-level executives for the development of additional understanding. Division of the college were at this time four separate divisions: the Division of Advanced Technical Studies, the Division of General Studies, the Division of Special Studies and the School of Executive Development, all of which were degree granting.

Again the college goes thru a name change and becomes New Haven College and the Junior College section is far removed from Science degree only.

New Haven College in 1960, acquires its own campus in West Haven, only after a series of run-ins with the neighbors. The West Haven residents were quoted as saying "we are willing to take any legal action to block the bid of the New Haven County Home Building by New Haven College." After many disagreements the land and building was finally sold to New Haven College even though they were the lowest bidder. So in 1960 New Haven College found a home of its own. Only two years had passed before 26 more acres of land were purchased, which is now "North Campus.

The New Haven College expanded its grounds tremendously in the 60's, adding the Engineering Building, the Student Center Building, the Graduate Building, and later the Student Union Building.

In 1960 the Graduate School was developed, having several different areas of study: in Business Administration and Engineering

Finally in October of 1970 the Board of Governors of New Haven College voted to change the name to its present one, The University of New Haven. This was approved by the State of Connecticut and today we enjoy University status.
ENGINEERS ON AN INSPECTION TRIP

DRAWING CLASS
GROUND BREAKING FOR ENGINEERING-SCIENCE BUILDING - Nov. 30, 1966

LEFT TO RIGHT:
1. Ralph D. Hynd, NNC Director of Purchasing, Buildings and Grounds
2. R. Stanley Moss, Chairman of the Board of Edwin Moss & Son, Inc., contractor
3. Thomas C. Warner, Jr., NNC Director of Engineering
4. Edwin Moss Jr., President of Edwin Moss & Son, Inc., contractor
5. Roland M. Haxler, Chairman of the NNC Board of Governors
6. Herbert N. Noyes of Davis, Cochran and Miller, architects
7. NNC President Marvin H. Peterson
8. Norman I. Rotński, Chairman of the Building Committee of the NNC Board of Governors
9. Henry F. Miller, Architect, of Davis, Cochran and Miller
10. Paul K. Kaplowitz, President of the NNC Day Student Council
Engineering Building

Perhaps the most spectacularly designed structure on the entire campus, as well it may be — for its location, as it’s name suggests, the Engineering Dept. There are several offices, science and communication labs, and classrooms. Off to the right of the 1st classrooms is a smaller room, where “Nomad,” the second of UNI’s computers, lives. Unlike the Data Center computers, Nomad — if you know the right words to type — will do just about anything by delivering you a list, a fact or a number of other skills, as well as solving engineering problems.

If one were to ask all the students at UNI what course offered the toughest academic requirements at the institution, the resounding answer would most certainly be that of the School of Engineering.

No student at the school must work any harder or study more diligently than Engineering students, and although in recent years the enrollment of the Engineering School has gone down some, it is still an extremely strong part of the University.

Students in the Engineering School have their choice of such Engineering majors as Civil, Electrical, Industrial, ...
Construction for Engineering Wing Underway

When Norman I. Botwinik, chairman of the university's Board of Governors, dug his shovel into the mound of dirt located on the northwest corner of the Main Quad, it was the beginning of an era. Twenty years ago, Botwinik, as chairman of the board's building committee, presided over a similar ceremony-only at that time it was the site of the Student Center, the first new facility on the then-open West Haven campus, which was to be built.

At the February 22 groundbreaking, Botwinik joined by Phillip Kaplan, university president; Francis Schlissel, chairman of the Fund for Engineering and president of Enthone/OMI; and M. Jerry Kenig, dean of the School of Engineering, formally kicked off the construction of a $17 million addition to the Jacob F. Buckman Hall of Engineering and Applied Science. Over a year in the planning, the addition will consist of 100,000 square feet of state-of-the-art academic space spread over three floors. The expansion, slated for completion for the start of the next academic year, includes classrooms, modern manufacturing and human factors laboratories in support of the university's industrial engineering curriculum, offices and meeting rooms.

The plan also entails the reconfiguration of several sections of the existing building to allow for the provision of new laboratory space for the university's chemical engineering and civil engineering programs. F. P. F. Construction Co. of Cheshire, an arm of The F. P. F. Construction Corporation, serves as the general contractor while the TPA Design Group of New Haven is the architect for the project. Both firms have previous experience in campus building projects, having undertaken major projects for several area colleges.

"This new facility adds significant strength to our commitment to the students and the community in the areas of engineering design and manufacturing," said President Kaplan, commenting on the addition. "It will help maintain UNH at the forefront of undergraduate and graduate education in engineering and related sciences."

"This new facility adds significant strength to our commitment to serve our students and the community in the areas of engineering design and manufacturing."

President Kaplan

Concurrent with the construction activities at Buckman Hall, renovation work is currently underway at two other sites on campus. A general facelift is in progress at several of the university's residence halls for upperclassmen, at an estimated cost of $1.5 million. Work on these buildings, which are targeted for completion by fall 1991, includes painting, carpeting, and upgradation of the entryways and kitchens of Parkside and Olympic Heights residence halls. Upgrading and repairs also have begun at Hargart Hall, which houses the School of Hospitality, Restaurant and Tourism Administration.

All three projects are part of a series of campus improvements currently underway, including the recent installation of an updated network communications system, the installation of a new VAX 6200 mainframe computer, the upgrading of the university's entire computer network, and extensive renovations of the North Campus gymnasium.

New Engineering Wing Dedicated

The dedication of the new wing of the Jacob F. Buckman Hall of Engineering and Applied Science, home of the UNH School of Engineering, officially took place the morning of October 20, as alumni, faculty, students and friends of UNH applauded the event. With a swipe of the scissors, a robot, on loan from the university's industrial engineering and computer science department, cut a length of blue and orange ribbon, symbolizing the official opening of the facility, which has been operational since September.

Chairman of the UNH Board of Governors Norman I. Botwinik opened the brief ceremony, held during the university's annual Homecoming festivities, by expressing his pride in the university's continued growth during its 70 year history.

University President Phillip Kaplan echoed those sentiments and traced the growth of the university's School of Engineering, which has been an integral component in the university's expansion. The School, which offered only associate degrees in its infancy, currently offers master's degree programs and four doctoral degree programs. To keep pace with the needs of UNH students, Buckman Hall was built in 1969, said Kaplan.

"The engineering programs at the university enjoy a fine reputation for both breadth and quality," said Kaplan. He then read a letter from Mrs. Clarice L. Buckman, a major donor after whose late husband, Jacob, Buckman Hall is named. Mr. Buckman was co-founder of Enthone, Inc., a major area corporation.

Next, M. Jerry Kenig, dean of the School of Engineering, discussed the importance of engineering education and focused on the advantages the wing's new laboratories afford students. He also recognized others, including Provost Alvis Semmens and Vice President for Finance Frederick Fischer, for their roles in bringing the construction of the wing to fruition. The 15-minute ceremony concluded with an open invitation to tour the wing.

The $17 million addition houses classrooms, modern manufacturing and human factors laboratories, and other facilities in support of the university's engineering programs.

Fall 1990
Vol.XIII,No.1

NEW ENGINEERING EQUIPMENT - August 7 was a red-letter day for the School of Engineering when two high-performance computer workstations, valued at $41,000, were delivered to the Computer-Aided Engineering Center. The units were donated jointly by Digital Equipment Corporation (DEC) and SNET. Here, DEC senior technical consultant Tom Worner (standing) points out features of the new software to Academic User Services Specialist Dan Lausano, left, and Mechanical Engineering Professor Richard Stanley, right.
National Society of Black Engineers

The UNH Chapter of the National Society of Black Engineers is one of 250 chapters nationwide. NSBE has three main goals and objectives. The first is to stimulate student interests in various engineering disciplines. The second is to strive to increase and retain minority students studying engineering and the sciences at an undergraduate level. The third is to encourage and advise minority youth in the pursuit of an engineering career.

Chemical Engineering Club

Evening
Marlene Bialecki
Robert Cirillo
Nancy Sage
James Macci
Robert Ha
Bennett Yalarai
Ed Krommicki
Donna Cederoni

Day
Mary Ann Papa
Jim Campisi
Juan Cadavid
Wan Abdullah
David Madumadu
Herren Ton
Stavica Grogan
Frank Paul
Laura Cadavid
Jim Macci

The Student Chapter of the American Institute of Chemical Engineers was formed to develop the technical skills of future engineers by introducing them to industrial processes in the area. Plant visits, outside speakers and career development are subject of interest to all students and these are just some of the activities of the Chemical Engineering Club.

American Institute of Industrial Engineers

John Bianchi
Grayson Gregory
Scott Hlavac
Dr. Joe Klenfeldt
Elaine Rahn
Tegrity Smartens up UNH Classrooms and Students

ONE UnH successfully introduces new pilot program to ease freshmen engineering majors into the rigors of college life
S

LEARNING COMMUNITY: "Yes, that's a correct answer, the first Bernoulli theorem," said student John Smith, who is majoring in mechanical engineering. "By applying the theorem, we can calculate the pressure at a certain point in a fluid flow, which is crucial for designing efficient engines and turbines."

"The first Bernoulli theorem is a fundamental principle in fluid mechanics," said Professor Jane Doe, who taught the course. "It states that the total energy per unit volume of a fluid remains constant in an incompressible flow, assuming no external work is done. This is a powerful tool for solving complex engineering problems."

"The second Bernoulli theorem is the energy conservation principle, which explains how energy is conserved in a steady flow. It's essential for analyzing fluid systems and predicting their behavior under various conditions."}

"For first-year students, it's important to understand these theorems as they form the foundation of many advanced topics in our field. By mastering these concepts, you'll be well-equipped to tackle real-world engineering challenges."
In U.S. News & World Report’s 2021 “Best Colleges” rankings, the University is ranked #59 in the North region, up seven spots from last year and up nearly 40 spots from two years ago. The University was also recognized for its computer science and engineering programs, as well as its commitment to veterans. The rankings recognized the University’s engineering programs, which were ranked in the top third of non-doctoral programs accredited by ABET, a leading organization that accredits programs in applied and natural science, computing, engineering and engineering technology, while the University’s undergraduate program in computer science ranked in in the top half of computer science programs accredited by ABET. ~