The concept of yearbook is a simple one. It is the recording in photographs and words of the just completed academic year. It is designed to cause emotions of nostalgia, reminiscence, loss & longing for the past and anticipation of the future. Admittedly, it is most effective 20 years from now than it will be next week. But this is more than just a yearbook — it was the difficult task of the NUCLEUS staff to go back 100 years to the initial planning of a technical school in Newark, N.J. in documenting the goings on of the past school year & the last 100 years we have tried to place them in perspective showing that the only difference between the student of 1981 & the student of 1941, 1921 or even 1881 is Time & circumstance. The history is straight forward the emotions are typical, never changing no matter how dress, hair styles, science or art change because friendship, comraderie, laughter and love know no cycles. Enjoy...

A.L.F

The doors of time at this institution have been open to many great people in 100 years of education — it is to all those past, present and future "greats" that this book is dedicated. Also, we would like to call attention to one in particular- Allan R. Cullimore, Dean of NCE 1925-1949. Through Dean Cullimore’s efforts the engineer took on the new role of humanist and although concentrating all his efforts on Newark College of Engineering, truly paved the way for a New Jersey Institute of Technology.
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The year was 1876. The nation celebrated its first centennial. The festivities were highlighted by a display of the country's industrial and technological progress over its first one hundred years. Embarrassed by the poor showing they gave at this exhibition, the state of New Jersey began to think seriously about improving its technical education facilities. They hoped — at the very least — that every city would establish one or more polytechnic schools or technical colleges where engineers and managers would . . . "acquire all the latest experience and the most recent investigations . . . ." Included in these plans was "a school of mechanic arts for Newark." In 1881 the plans for a Newark Technical School were put into full swing. The first step was to raise the money. In 1879, under Gov. George McClellan (himself an engineer) the state passed legislation to provide for the establishment of these technical schools. One thousand dollars was provided to each interested city that was able to raise the additional monies. "All this activity led to naught but the Newark Board of Trade
finally succeeded in sponsoring a second bill in the New Jersey Legislature which raised the state contribution to $5000.00 to be matched by the city or organizing body.

"The Board of the Newark Technical School first met on July 1, 1884." At first it was a three-year evening school and was later extended to four years. City residents with a grammar school diploma went tuition free. Under Charles Adam Colton — the first director of NTS — ninety students were admitted into the first class: teenagers and men ranging from 16 to 42 years old with a wide assortment of occupational experience. They studied algebra, geometry, trigonometry, drawing, chemistry, and physics in pursuit of their technical degree.

In March, 1890, property was purchased one block from the Newark Orphans Asylum, and in 1895 old Weston Hall was built. In 1898 the school was deeded the property behind the building and later three other lots were purchased by Colton in 1906. Construction began in 1910 on the Laboratory Building, later to be known as Colton Hall. At last the now-all-too-familiar
neighborhood was beginning to take shape physically.

In 1897, Colton began sketching classes for women. Even though the school had been open to women from its inception it took Margaret Bryce, who studied chemistry, to be the first to enroll in 1897. The year 1898 saw the formal birth of student social life at NTS with the formation of the first fraternity, the Newark Technical School Fraternity. In 1911 the grandfather of the VECTOR — the FRATECH — became the first student run school newspaper.

With all that was happening around him, Dr. Colton must have felt very satisfied that the school was on firm ground. In May, 1917, Dr. Colton announced his plans to retire. Daniel Russell Hodgedon succeeded Colton, and under his guidance the school "received state approval to offer college level courses and became known as Newark College of Technology. The curriculum was to include a 4-year day program, leading to a B.S. in Chemical, Electrical, and Mechanical Engineering. "In 1919, twenty-three students were enrolled at NCT and six
hundred ninety-eight students at NTS.

In 1920 the school once again changed its name this time to the College of Engineering of the Newark Technical School under Allan Reginald Cullimore who took the reins after Hodgedon left to head the Chicago Memorial Foundation University of Science. A graduate of MIT and dean of engineering at Delaware College, Cullimore contemporized the concept of the engineer as being not only scientist but also humanist. His philosophy was reflected in the curriculum which was expanded to include the humanities and physical education as well as the scientific disciplines.

"... social studies, humanities and the classics have a definite active part and a kinetic part in the lives of all of us; and if we are to develop as we should develop, and live lives as abundantly as we can, we must make our classics, our humanities and our social studies work for us ... in creating a sensitivity, a point of view, and an appreciation of some of the broader things in life which characterize a broad man."
and two on High Street to a total of 114,500 square feet of classroom, laboratory, and office space. Just as important was the idea that an active social life and strong fraternal ties between students and students and faculty and their implementation into the governing philosophies of the school became reality under Cullimore. In 1950, Robert W. Van Houten (NCE Class of 1930, Civil Eng.) succeeded Cullimore as president of the college. Through him the Research Foundation, the Science Fairs, and the Educational Opportunity Program were all established. These were all centered on the economically and educationally deprived high school students in order to improve their scientific skills and to educate them in the engineering fields. Van Houten was also responsible for the expansion of the graduate program, adding a PH. D. in Engineering Science for Mechanical Engineering and one for Civil Engineering. The most impressive aspect of his tenure as president was the physical growth of the campus between 1958 and 1969. With the addition of Old Tiernan
and two on High Street to a total of 114,500 square feet of classroom, laboratory, and office space. Just as important was the idea that an active social life and strong fraternal ties between students and students and faculty and their implementation into the governing philosophies of the school became reality under Cullimore. In 1950, Robert W. Van Houten (NCE Class of 1930, Civil Eng.) succeeded Cullimore as president of the college. Through him the Research Foundation, the Science Fairs, and the Educational Opportunity Program were all established. These were all centered on the economically and educationally deprived high school students in order to improve their scientific skills and to educate them in the engineering fields. Van Houten was also responsible for the expansion of the graduate program, adding a PH. D. in Engineering Science for Mechanical Engineering and one for Civil Engineering. The most impressive aspect of his tenure as president was the physical growth of the campus between 1958 and 1969. With the addition of Old Tiernan
Hall (240 High St.), Cullimore Hall, New Weston Hall, Faculty Memorial Hall, The Center, Entwistle Gym, Library-Humanities Building, Specht Maintenance Building, and New Tiernan Hall the campus grew six fold to 677,000 square feet. When Dr. Van Houten retired in 1970 he left behind a greatly changed Newark College of Engineering. It was deeply rooted — physically and socially — in its neighborhood and its commitment to quality education on the high school, college, and research levels.

The wave of social change that characterized the '60s continued on into the '70s. The world was becoming increasingly more complex, and the college found itself having to change and adapt — along with the rest of the world — at a rate never before experienced. The years between 1970 and 1981 saw four different men use the office on the second floor of Eberhardt Hall.

William Hazell followed Van Houten in 1970. "Hazell's years were marked by increasing financial difficulty for institutions
of higher education and by changing relations with the Board of Higher Education. New concerns with affirmative action and minority rights were met, and our commitment to the surrounding community deepened. The expansion of our academic programs and our response to social developments were reflected in the new name the school selected in 1975 — The New Jersey Institute of Technology." Along with the new name came some curriculum additions among them the Man and Technology studies, Computer and Information Science, and the New Jersey School of Architecture (accredited in 1978).

Under Paul Newell and later under Charles Bergmann, efforts were made to add a new essence to the Institute — the creation of a 24-hour a day, 7-days-a-week campus; and in September, 1979, President Saul K. Fenster opened the doors to the first on campus dormitory in the 100-year history of the school.
On March 25, Harry and Tom Chapin and their band thoroughly entertained the packed NJIT gymnasium with his warm personality and enchanting music.
In The Spirit Of Good Fun
The Miniversity Staff
Merwin Kinkade
Mike Morano
Jeff Rose
Dot Smith
The Freshmen

The Group Leaders
On September 17, 1980, the Institute officially celebrated its 100th anniversary with a convocation ceremony and the annual Student-Faculty Picnic. There was free beer and hot dogs (birch beer for the freshmen) and bumper stickers and frisbees were given to all who attended. The highlight of the afternoon was the raising of the Centennial Flag.

Pictured right are President Fenster, Prof. Robert Meola; Ms. Catherine Carver, '74 Alumni Association President, and Peter Sklannik, Student Senate President.
Spring
Semi-Formal
"I don't know what happens when people die
Can't seem to grasp it as hard as I try"

Jackson Browne

In accordance with the spirit of our centennial anniversary let us pause to remember those members of the NJIT community who have passed on in recent months . . .

Herbert L. Brown
Treasurer

Fred Bauder
prof. Chemistry (ret.)

Matthew Dujets
prof. Civil Engineering

Dr. Walter Michels
prof. Mechanical Engineering

Dr. Harlan Perlis
prof. Electrical Engineering

Richard Bartell
custodian

Francis Close
M.E. machinist

Barbara Gillium
food service

Mary Hague
food service (ret.)

Gertrude Mulvihill
switchboard operator (ret.)

Fred Norden
Physics lab assistant

Stanley Picowski
custodian (ret.)

Patrick Tomaro
Physics lab supervisor

On April 24, 1980, 8 American servicemen died in an aborted rescue attempt of 52 of our countrymen who were being held hostage by Iranian militants at the American Embassy in Iran. The NUCLEUS salutes these brave men and would like to include them among our own.
It was the sincere pleasure of our generation to have the opportunity to experience a man who touched us all in a way that very few are able to. I can't tell you what he meant to me because it went deeper than words, but his talent and enthusiasm and love for life and peace have always been something that I've tried to emulate in my life. John Lennon died today and a part of me died along with him. If I could I'd dedicate this book to him — it would be the least I could do — but at least he can be remembered here because he did mean so much to our generation as a Beatle and a person. He was as much a part of our college — and certainly life — experience as any professor or SAC mixer and he deserves to be remembered here where he belongs — in all of our hearts.
On September 29, 1980 Jane Gasienica, Dean of Women Students and friend to us all passed away. Friends are the most important part of a person's life and they should always be remembered and held special. These two pages are for Jane — it's the least we can do.
In honor of those members of the faculty who have devoted 30 years or more to teaching at NJIT:

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<th>Name</th>
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<td>Electrical</td>
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<tr>
<td>Robert Rose</td>
<td>9/1/47</td>
<td>Electrical</td>
</tr>
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<td>9/1/48</td>
<td>Physical Ed.</td>
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<td>Warren Crater</td>
<td>9/2/46</td>
<td>Humanities</td>
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<tr>
<td>Irving Goldstein</td>
<td>2/1/47</td>
<td>Industrial</td>
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<tr>
<td>Herbert Barkan</td>
<td>2/1/46</td>
<td>Mathematics</td>
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<tr>
<td>Carl Konove</td>
<td>9/1/37</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Edward Miller</td>
<td>9/1/48</td>
<td>Mechanical</td>
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<td>Jerome Palaner</td>
<td>9/15/38</td>
<td>Mechanical</td>
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<tr>
<td>Robert Salamon</td>
<td>2/1/47</td>
<td>Mechanical</td>
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<td>Achiele Capecelatro</td>
<td>9/1/47</td>
<td>Physics</td>
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One of the most vivid memories of school will be looking up across the office and seeing Doc at his desk with his head buried in his mail, listening as he says (for the umpteenth time), "Tony, look at this desk! How am I going to get all this work done today?" And by 3:30 — without fail — that desk would be clean and Doc would be out the door wishing everyone good night (I still think he shoved it all in a box and left it for the janitors).

Now, after 35 years of reading mail; teaching us how to write; staying on top of yearbook editors so they don’t miss deadlines; lecturing in Paris and West Point and Western Electric; surviving a heart attack and diabetes, the wrath of the Humanities Dept., 8 institute presidents and 4 radically different generations of students Doc is retiring.

Doc has done more for the NJIT student in his capacity as professor, advisor and friend than anyone. He was never too busy to sit and talk over a cup of coffee, correct a resume or really come down hard and bitch when a little bitching was necessary. He will be missed. And if this sounds a bit overly personal it’s because I couldn’t print 15,000 personal notes from friends and former students that Doc has touched in that "Doc-way" of his over the past 35 years. He became a fixture in our daily routines — he became our friend. And because of this we love him and will miss him deeply.
The NJIT Alumni Association is proud of our more than 18,000 graduates who have achieved successes in many fields. Our Class of 1930 has many outstanding members including two alumni who have served as Presidents of the Institute, Drs. Robert W. Van Houten and William Hazell. Archie Armstrong ’30 and Victor Gantlupe ’30 each were awarded the NJIT Edward F. Weston Medal for professional eminence. Armstrong managed Newark Airport for more than twenty-five years.

Cantlupe, who retired as president of Lecourney Company, designed the hydraulic system for the Rockefeller Plaza fountains and was responsible for the fountain displays at the New York World's Fair.

The Alumni Association President for the 1980-81 Centennial year is Ms. Catherine M. Carver. Ms. Carver, who received her B.S. degree in Civil Engineering in 1974, is Director of Management Information Systems with W.R. Grace and Company's Retail Group in New York City. Carver is the second woman to become president of the 18,000 member organization since its inception in 1947. We have selected some of our outstanding alumni to represent the accomplishments of our graduates.
DR. ANTHONY J.J.A. WILSON BSME '36
President (Retired) — Micro Products Engineering Company
Chairman, Newark Taxi Commission
Past District Governor — Rotary International;
   Past President — Newark Rotary Club
Registered Professional Engineer, State of N.J.
Member — NJIT Foundation Board of Overseers
Awarded NJIT Honorary Doctorate, 1974
Awarded NJIT Edward F. Weston Medal, 1964
Recipient — NJIT Alumni Association Alumni Service Award, 1972
Past President — NJIT Alumni Association, 1959-1961
General Chairman — NJIT Alumni Building Fund

DR. JEROME DREKLER MSEE '55
President — Drexler Technology Corporation
   (Drexler Technology, located in Palo Alto and Mountain View, California, is a publicly-held Company specializing in microimaging products, including photoplates, photomasks, and photochemicals for the semiconductor industry. The company also manufactures DREXON optical memory discs for computers, and laser recordable strips for identification cards for electronic funds transfer.)
Co-inventor of the DREXON media for laser recording and archival data storage
Co-inventor of the coaxial magnetron (at Bell Telephone Laboratories)
Member — Board of Governors, The Technion (Israel Institute of Technology), 1980-present
Fellow — Upsala College, 1976-present
Member — Sloan Advisory Board, Stanford University Graduate School of Business, 1973-1979
Awarded NJIT Honorary Doctorate, 1979
Awarded NJIT Edward F. Weston Medal, 1974

DR. ALFRED C. LINKLETTER BSCE '35
Senior Vice President (Retired) — Prudential Insurance Company
Former Vice Chairman — New Jersey Sports and Exposition Authority
Chairman — Atlantic City Electric Company
Former Trustee — United Hospitals of Newark
Trustee — New Jersey Historical Society
Trustee — Paper Mill Playhouse
Trustee — Bradley Real Estate
Director — Triangle Industries
Director — U.S. Savings Bank
Director — Bally Park Place
Member — Greater Newark Chamber of Commerce
First Alumnus to be appointed as Chairman of NJIT Board of Truestees
Awarded NJIT Honorary Doctorate, 1979
Awarded NJIT Edward F. Weston Medal, 1977
WILBUR F. HURLEBURT, JR. BSME '35
Chairman — Automatic Switch Company (ASCO)
Trustee and Director — New Jersey Business and Industry Association
Director — New Jersey Manufacturers Insurance Company
Former Trustee — Morristown Memorial Hospital
Served on the Board of Governors — National Electrical Manufacturers Association
Past President — Fluid Controls Institute

J. ELTON TUOHIO BSCE '38
Executive Vice President, Administration (Retired) — McGraw-Hill Publications Company
Past Director — Nikke/McGraw-Hill Publications Company (Japan)
Member — Board of Meeting, Camp Branch
Member — Board of Directors, YMCA of the Oranges and Maplewood, West Essex, and Sussex
Elder — Ogden Memorial Presbyterian Church (Chatham)
Member — American Institute of Chemical Engineers
Past Director and Secretary — Audit Bureau of Circulations
Past Co-Chairman — “Citizens Committee for Studying Regionalization of School Districts” (Chatham Borough and Chatham Township)
Former Lecturer — NJIT Continuing Education Sales Engineering Program
Member — NJIT Foundation Board of Overseers
Awarded NJIT Edward F. Weston Medal, 1968

RALPH P. BENN BSME '38
Chairman — Leesona Corporation
(Leesona is a multi-million dollar textile machinery manufacturer located in Warwick, Rhode Island.)
Director — Hospital Trust Corporation
Director — Rhode Island Hospital Trust Bank
Director — Rhode Island Philharmonic Orchestra
Director — Hope Club
Trustee — Rhode Island School of Design
Listed “Who’s Who in America”
KENNETH A. GIBSON BSCE '62
Mayor — City of Newark, New Jersey (third term)
Former Civil Rights Movement Leader
Founder and Past Chairman — Minority Economic Development Industrial and Cultural Enterprises
Past Vice President — United Community Corporation
Past Co-Chairman — Business and Industrial Coordinating Council
Past President — U.S. Conference of Mayors (1976)
Newark Jaycee’s “Man of the Year” Award, 1964
Selected by Time as one of America’s Outstanding Young Men
Selected by International Edition of Time as one of World’s Fifty Young Leaders
Recipient — Stevens Institute of Technology Honor Award, 1972
Awarded NJIT Honorary Doctorate, 1977
Recipient — Fiorello H. LaGuardia Award, New School For Social Research

LESTER LIEBERMAN, P.E. BSME '51
President and Chief Executive Officer — Clarkson Industries, Inc.
(Located in New York City, Clarkson is a high technology organization engaged in multinational operations. It is comprised of 5 divisions — Hoffman, Atmos, Highfield, Airflow, and W.H. Berg — which supply both private industry and governmental agencies with the means for effective control of air and water pollution, environmental hazards and energy utilization.)
Vice President — Newark Beth Israel Medical Center
Director — United Jersey/Central Bank
Director — Greenbrook Manor Nursing Home
Director — Ashbrook Nursing Home
Vice President — Village Chevrolet
Vice President — Norris Chevrolet
Recipient — NJIT Alumni Association Achievement Honor Roll Award, 1980

DR. PETER HOMACK BSCE '40
Chairman — Elson T. Killam Associates Inc.
(Killam Associates is a consulting firm specializing in hydraulic and sanitary engineering.)
Member — NJIT Foundation Board of Overseers
Organizer and Supporter — NJIT “Minority Scholars Program”
Awarded NJIT Honorary Doctorate, 1978
Awarded NJIT Edward F. Weston Medal, 1973
RICHARD E. DISBROW MSEE 69
President — American Electric Power Company Inc.
(American Electric Power is a public utility holding company comprised of eight operating companies which form a power link through Virginia, Indiana, Kentucky, Tennessee, Ohio, West Virginia, and Michigan.)
Listed "Who's Who in America"
Recipient — NJIT Alumni Association Achievement Honor Roll Award, 1979

ALBERT A. DORMAN BSME '45
President — Daniel, Mann, Johnson and Mendenhall (DMJM)
(DMJM, located in Los Angeles, California, is an internationally-acclaimed architectural/engineering firm.)
Member — Dean's Council, UCLA
Recipient — University of Southern California "Distinguished Civil Engineering Alumnus Award"
Recipient — ASCE "Harland Bartholemew Award"
Recipient — Institute for the Advancement of Engineering "Outstanding Engineer Merit Award"
Registered Professional Engineer in Nine States and Registered Architect in Two States
Listed "Who's Who in Engineering" and "Who's Who in America"

CHARLES R. BERGMANN BSME '35
Vice President (Retired) — Western Electric Company
President, NJIT — 1977/78
Chairman, NJIT Board of Trustees
Member — NJIT Foundation Board of Overseers
Trustee — United Hospitals of Newark
Past President — Greater Newark Hospital Development Fund
Charter Member — Newark Better Business Bureau
Past Director — State Chamber of Commerce
Awarded NJIT Edward F. Weston Medal, 1978
MICHAEL D. LIONE BSIE 69
Associate Staff Mgr., Network — New Jersey Bell Telephone Company
Recipient — 1978 New Jersey Bell “Good Citizen of the Year” Award
Co-Founder — “New Jersey Blue Devils” Wheelchair Basketball Team
Organizer — Recreational Program for Morris County Disabled Youngsters
Recipient — NJIT Alumni Association Achievement Honor Roll Award, 1979

DAVID MAYER BSME ’36
President and Chief Executive Officer — Alumax, Inc. (Alumax is an integrated aluminum company headquartered in San Mateo, California. It operates plants and fabricating warehouses throughout the United States and in Canada, the United Kingdom, the Netherlands, Germany, and France.)
Member — American Institute of Mining, Metallurgists and Petroleum Engineers
Director — Aluminum Association
Awarded NJIT Edward F. Weston Medal, 1980

EDWARD CRUZ, P.E. BSCE 63
President — Cruz Construction Company
(Since its founding in 1951 by Ed’s father, Cruz Construction has become one of the nation’s top 400 construction companies.)
Past President — National Utilities Contractors Association
Past President — Utility Contractors Association of New Jersey
Past President — New Jersey Concerned Citizens for Clean Water
Recipient — “Construction Man of Year” Award, 1978

DR. BEATRICE A. HICKS BSChE ’39 (DECEASED)
First American Director — International Conference of Women Engineers
First National President — Society of Women Engineers
Awarded Honorary Doctorates from Stevens Institute of Technology, Rensselaer Polytechnic Institute, and Hobart and William Smith Colleges
Awarded NJIT Edward F. Weston Medal, 1961
Past President — NJIT Alumni Association, 1958-1959
RITA MEYNINGER BSCE ’58
Region II Director — Federal Emergency Management Agency (FEMA)
(FEMA is a Federal agency involved with preparedness, mitigation, and response to national emergencies. Meyninger supervises the programs in the Region II jurisdiction comprised of New York, New Jersey, Puerto Rico and the Virgin Islands.)
Recipient, NJIT Alumni Association Achievement Honor Roll Award, 1980

DR. GEORGE W. JERNSTEDT BSChE ’37
Recipient — Westinghouse “Order of Merit” Award, 1961
Designed one of the first artificial kidneys
Awarded Benjamin Garver Lamme Fellowship, 1939
Listed “Who’s Who in the East”
Awarded NJIT Honorary Doctorate, 1965
Awarded NJIT Edward F. Weston Medal, 1958

JOSEPH A. COURTER BSME ’36
President — Courter and Company, Inc. (located in New York City, Courter and Company is one of the nation’s largest mechanical contracting firms.)
Director — Contractors Mutual Association
Board of Governors — New York Building Congress
Past President — Mechanical Contractors Association of New York
Past President — Mechanical Contractors Association of New York State
Past President — Mechanical Contractors Association of America
Past Board Member — Greater New York Safety Council
Past Board Member Building Codes Advisory Committee
Past Trustee — Montclair Academy
Trustee — American Museum of Immigration
Recipient — “Distinguished Service Award,” Mechanical Contractors Association
Recipient — “Distinguished Service Award,” Joint Construction Safety Program
Originator — Joint Construction Safety Program Concept (1961)
Member — NJIT Board of Trustees
Member — NJIT Foundation Board of Overseers
Awarded NJIT Edward F. Weston Medal, 1967
On July 1, 1884 the Board of the Newark Technical School met for the first time. One of their prime objectives in this first meeting was the selection of a director for the newly formed school. The person they chose was Charles Adam Colton, then a professor of chemistry and mineralogy at the Rose Polytechnic Institute. The school was set up as an evening technical program with a curriculum designed to meet the needs of industry at that time. Dr. Colton opened the doors that same year to a class of 90.

From the very beginning Dr. Colton was on the look-out for two things — funds and students. He secured donations from industry and private citizens while at the same time always cultivating prospective students. He even started a preparatory class for those who had difficulty in meeting the academic standards.

The school grew from its infancy under Dr. Colton's guidance, land was acquired, buildings were erected and a sound financial backing was realized. In September of 1897, Dr. Colton saw two of his numerous wishes come true — the enrollment of the first woman student at NTS and the initiation of daytime classes. It was the start of these day classes that began Dr. Colton thinking of a college level course of study. He started work on his new "college" in 1913 and by 1916 Dr. Colton saw the Board of Directors pass a proposal for an engineering program.

In May of 1917 Dr. Colton announced his plans to retire from the directorship of NTS. He spent 34 years guiding this institution. The school had become a child to him and he nurtured it as such, watching it grow and helping it over those long rough roads. Surely, Dr. Colton was a very special kind of human being to devote so much of his life to a single cause.

The successor to Colton was Daniel Russel Hodgdon,
who left his position as head of the science department at Newark State Normal School. Dr. Hodgdon took office in May of 1918 and immediately picked up on Dr. Colton's ideas of an Engineering College. Besides working on the college program Dr. Hodgdon instituted programs to help the returning WWI veterans receive technical training. With the aid of the Federal Government he was able to do this with a good deal of success.

On January 7, 1919 the dream of a college program was realized when the state approved a Bachelor of Science program in Chemical, Electrical and Mechanical Engineering. Thus, the Newark College of Technology was born, to live and work side-by-side with the Newark Technical School, advancing technology and science in New Jersey.

In September of 1919, Dr. Hodgdon resigned. Again the Board of Directors were faced with the task of finding a new director as well as a dean for the college. They filled both positions in the person of Allan Reginald Cullimore. Dr. Cullimore had an extensive background in engineering, the most recent as Dean of Engineering at Delaware College. He took office on January 1, 1920 and shortly thereafter the college received a new name — the College of Engineering of the Newark Technical School. This new name reflected Dr. Cullimore's unification of the two institutions — a marriage which has lasted until this day.

Dr. Cullimore started many new programs, increasing the institute's outreach to the community. He initiated a cooperative education program that gave the students both an education and work experience. In 1930, the college again received a new name — Newark College of Engineering which remained until 1975.

Along with the new name came stabilization and
growth. At this point Dr. Cullimore's position was upgraded to President, thus becoming the first president of NCE. President Cullimore was a unique individual as far as his predecessors were concerned. He felt that an engineer must be a well-rounded person. This meant not only gaining a technical education but a social one as well. This attitude brought about the first courses in the Humanities and Social Sciences as well as a course in Etiquette.

Cullimore was not one to advocate something and not live it himself. He was very active in area social groups, the Boy Scouts and the Newark Rotary. He had a special place in his heart for the handicapped, having lost an arm in a hunting accident, and donated a great deal of time to the rehabilitation of the handicapped.

WW II took its toll on the college as it did everywhere else. Dr. Cullimore kept the college on its feet during this time, endearing it with a great sense of purpose.

Dr. Cullimore retired in 1950, leaving the college firmly built on the Colton foundation. He had seen to it that the school survived through the depression and the war years, saw to the implementation of graduate programs and a growth that caused the name, Newark College of Engineering to be nationally recognized.

Robert Wallace van Houten was chosen to be Cullimore's successor. This marked the first time that the Trustees had called upon an alumnus to lead the school. Dr. van Houten had been associated with the college since his graduation in 1930. He was an instructor, professor, and dean of the college. His administration reflected his deep rooted convictions about the school. There was a great deal of community outreach from the High School Science Fairs to research projects. The Research Foundation was started in 1957 and incorporated at NCE.
in 1959. This new foundation provided technical and scientific advancement for faculty and area professionals. Under Dr. van Houten the graduate programs grew immensely to include management studies, Industrial Engineering and Engineering Sciences. In 1968 the Equal Opportunity Program was initiated thus giving those with the ability opportunity to receive a technical education.

During this period the campus underwent a major transformation. New Weston Hall was built as well as the bulk of today's campus. By the time Dr. van Houten retired in 1970 he had left a greatly expanded college involved with research, graduate studies and community involvement.

The Board of Trustees turned to another NCE graduate to lead the school — William Hazell. President Hazell had participated in the tremendous growth that occurred in the previous two administrations and he saw to it that this attitude continued.

In 1973, the New Jersey School of Architecture was formed and hence a degree in Architecture as well as Industrial Engineering and Technology followed.

1975 brought about two vast changes to NCE; Paul Newell was the new president and the college had a new name — The New Jersey Institute of Technology. The new name did not imply that NCE was dead, but that the institute's technical offerings had grown far beyond engineering encompassing a variety of fields. Dr. Newell's administration was highlighted by plans to increase campus appeal. Student activities were on the rise and NJIT's first dormitory was planned, but the institute's goal of furthering technology was always paramount.

In 1977 Dr. Newell resigned and Charles Bergman stepped in as acting president. Bergman was also an NCE graduate who had recently retired as Vice President of
General Electric Co. He also serves as Chairman of the Board of Trustees of NJIT.

The two years that President Bergman served were marked by an increase in enrollment, especially with women students.

Early in 1979, Dr. Saul K. Fenster became the Institute's eighth president. Dr. Fenster came to NJIT from Fairleigh Dickinson where he served as provost. His experience with resident college campuses proved immediately helpful as NJIT looked forward to the opening of its new dormitory.

We all look forward with Dr. Fenster to a second century of excellence in education here at NJIT.
NEWARK TECHNICAL SCHOOL

Evening Session

William Hazen

Chas. A. Collin

Director.

Newark, N. J., Oct. 3, 1911
Dr. Edward F. Weston

Dr. Edward Weston was born on May 9, 1850. A “mechanical genius” he was a pioneer in the science of the measurement of electricity, but electricity wasn’t always his first love. His main interest was chemistry, and as a young boy growing up in England he began his training in medicine. Weston was educated at St. Peter’s Collegiate Institute in Wolverhampton where he was apprentice to the best chemistry professor in the department. But one day something happened that changed Weston’s entire life — he got an electric shock! That did it; suddenly bored with chemistry, Weston turned his genius to electricity. With an electric motor he designed and built he moved on to New York. At first he did not find life in the big city easy, but he soon found a job with William H. Murdock & Co. Because of safety hazards and inadequate management he moved on to Newark doing electroplating work. However, he did stay in New York just long enough because on August 15, 1871 he married Wilhelmina Sieidal.

Weston patented a cylindrical construction for his new company in April 1876. He then worked on a centrifugal switch, consisting of a cup of mercury revolved by a belt from the dynamo shot. He also invented the famous Weston Arc lamp, which first lighted the Iron Pier at Coney Island, and the incandescent lamp with tamidine homogeneous filament — the most efficient lamp at that time. In 1886 he received patents for electrical instruments one of them being an integrating current meter. Soon after he developed the moving coil voltmeter and a shunt motor. His knowledge of chemistry helped him in developing a new combination of conductive metals and a better combination of metals for electrical resistors.

Most notably as far as we are concerned, Dr. Edward Weston helped found the Newark Technical School in the middle 1800’s. Before he died on August 21, 1936, he willed all his drawings and original equipment to the college. And now The Weston Museum is located in the basement level of Van Houten Library so we can learn more about Dr. Weston’s rich scientific legacy and can appreciate his genius, talents and generacity.
The Annual Writers’ Conference has grown into one of the largest and most highly regarded in the country. The Fourteenth Annual Writers’ Conference included an unusually sparkling list of writers (from New Jersey and the nation) as chairpersons of the various workshops. These writers were honored at the 21st Annual Authors Luncheon. The Best Student Poetry in New Jersey is part of the Conference. It honors student poets all over the state for excellence in poetry writing in a book edited by Dr. Estrin and printed by The Prudential Insurance Company of America.
Doc’s Fashion Show

Every year Dr. Estrin holds his fashion show displaying the largest in clothing for the businessman/woman of today. Topics also include what to wear for an interview, body-language, guest alumni speaking on what it’s like out in the “real world” topped off with a sample interview.
congratulations

class of

eighty-one
The decade of the 1980's is a decade of change, and the new century which will be inaugurated at NJIT during those years will also be a period of change. Physically, the campus is growing and changing shape, but the most important change is a change in the mood of the campus.

Even throughout the radical 60's the turbulent 70's, and as we enter the conservative 80's, the adjectives which may have been appropriate to other places during those years are out of step here. Where prevailing tradition seems to be that our institution of high education should be individualistic and unique, why should we change anything because an extra digit is added to our age?

So, keeping in step with our drummer, students here, at NJIT are beginning to become more involved, they are becoming CONCERNED!

At no other time was this more evident than during what was only the second rally ever to be held on campus in all of the one hundred years of NJIT's existence. While the students are becoming conservative, patriotic, and "radical", there is not a conflict of terms. Doesn't any navy-blue, double-breasted, guccied business executive get annoyed when his money is being taken away? Well, the NJIT execs in sneakers, t-shirts and Levi's weren't happy either when the State wanted to transfer half of the tuition increase paid to the TAG program. Instead of cleaning up the graffitti left by Central High students and improving lab equipment, our money is being diverted to cover $4 million in a program administered by the state, caused by mismanagement and poor administration.

Besides an all-day rally on the green Friday, a group of students also went down to Trenton the following Monday to prevent the Assembly Bill which started this fervor to go through. In a time highlighted by an oil war, international volleyball with the lives of 52 Americans and serious economic problems, NJIT students were for one day back in the 60's. They were involved, caring and willing to work for a change.

STUDENTS SPEAK UP
Mr. Frederick L. Eberhardt

Of the outstanding contributors to the Institute, Mr. Frederick L. Eberhardt, ranks in the highest echelon. His dedicated service is forever remembered, from serving on the special committee for the seeking of a Director and Dean of the Institute when the total enrollment on the school was only 25 students, to his stubborn dream that education should be the union of theory and practice. Since the beginning of Newark Tech the emphasis was placed on the theory aspect of education. However, late in 1924 cooperative engineering was established due to the constant emphasis placed on it by Mr. Eberhardt. Since being a graduate of the College of Engineering of Newark Technical School, Mr. Eberhardt knew what it was to study and gain practice over the academic level. Since he had worked for Gould and Eberhardt Co. starting as an office boy, through every job in the company to finally become company president. Today the system of cooperative engineering is still available to the students at NJIT. Mr. Eberhardt was also the first chairman of the committee on Buildings and Grounds.

It was said of Mr. Eberhardt that he was a forthright soul and if he liked you, he liked you; if he didn’t, you knew it!
Admission.

Applicants for admission must be at least sixteen years of age, of good moral character, and residents of Newark.

They must pass a satisfactory examination in Arithmetic, Geography, History and English Composition, to enter the first year class.

Certificates of graduation from any Grammar School in Newark will be accepted as the requisite qualification for admission.

Applicants who have not graduated at a Grammar School must pass an examination in the above studies.

Examinations for admission are held in June and September of each year, the dates of which are announced by advertisement.

No applicants are received who are attending other schools.

Applicants who are not prepared to enter the first year class, may enter the preparatory class without an examination at any time, and must be at least fifteen years of age.

Applicants for the other classes received only at the beginning of the year.

Course of Study.

The regular course of study, exclusive of the preparatory class requires four years.

Preparatory.—Arithmetic, Writing and Composition.

First Year.—Algebra, Physics, Chemistry, Free-hand Drawing.

Second Year.—Algebra, Chemistry, Free-hand Drawing.

Third Year.—Geometry, Trigonometry, Physics, Cutting Tools, Mechanical Drawing.

Fourth Year.—Mensuration, Mechanics, Chemistry, Physics, Descriptive Geometry, Mechanical Drawing.

There is no special course in Drawing. Students in Drawing must also study Mathematics.

Examinations.

Examinations will be held twice a year, viz: the third week in December and the last week in the school year.

Students who are found deficient at these examinations will be examined previous to the opening of the school year, and if found deficient a second time, they must take the year’s studies over again.
Reading Room.

The reading room is open whenever the school is in session, and Wednesday and Saturday evenings during the vacation.

The following periodicals are regularly received and are accessible to the students:

- Scientific American
- American Architect
- American Machinist
- Chemical News
- Popular Science Monthly
- Electrical Engineer
- Electrical Review
- Metal Worker
- Railroad Gazette
- Philadelphia Museum

Donated by Publishers:
- Scientific American
- American Architect
- American Machinist
- Chemical News
- Popular Science Monthly
- Electrical Engineer
- Electrical Review
- Metal Worker
- Railroad Gazette
- Philadelphia Museum

Paid for by School:
- Supplement
- Builders' Edition

Regulations.

The sessions of the school are held five evenings in the week, viz: Monday to Friday inclusive. The hours of each session are from 7:20 to 9:30.

Any student absent five times during the school year, without a satisfactory excuse, will forfeit his membership in the school.

Students absent for sufficient reasons, and who wish to retain their places, must report to the Director, either in person or in writing, before the five absences are recorded.

Any student leaving the school-room before the close of his evening's work, will be recorded a half absence, unless excused by the Director.

Any student who is not present when the bell strikes for his class will be marked tardy. Five cases of tardiness will be equivalent to one absence.

For a breach of good behavior or a violation of the rules of the school, a student will be immediately suspended and reported to the Board of Trustees.

A student dismissed from the school can only be reinstated by application to the Board of Trustees.

Text Books.


Graduation.

Students who complete the full course of study will receive a Diploma. Those who complete a partial course will receive a Certificate.

Announcements.

Architectural Drawing will be incorporated in the course of study for the third year class, commencing October 1893.

A course of lectures on Steam Engineering will be given to the fourth year class, commencing October 1893.

Number of Students.

<table>
<thead>
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<th>Class</th>
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<td>Fourth year class</td>
<td>11</td>
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<tr>
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INSTRUCTORS.

CHARLES A. COLTON, E. M.,
Director and Instructor of Chemistry and Physics.

FRED. W. FORT, A. M.,
ALBERT B. WILSON,
MATHARGO]

JAMES KISSELL,
Free-hand Drawing.

FRED. W. TUCKER, M. E.
Mechanical Drawing.
I was sitting home trying to come up with some all-encompassing concept to tie the whole book together when the anniversaries came to mind. As you may know, each anniversary is associated with some kind of object; for instance, the first anniversary is paper, the 25th is silver, the 50th is gold, etc. Frantic over this fantastic idea I ran to the best source I could think of — Mom. But Mom was stumped. Heartbroken and with my sense of security totally shattered (Mom didn't know everything) I turned to the next best thing I could think of — the local reference librarian. Searching through every book of etiquette in the building we found — very surprisingly — that a 100th anniversary didn't correspond to any object (precious or otherwise) on earth. Curiosity burning we pushed on. We checked for religious significance, mystical significance; we searched art, music, history, mythology; we looked at the I Ching, Kama Sutra, the Zohar, the "Book of Numbers" and the Oxford World and do you know what we found — nothing . . . zero . . . nada . . . goose eggs — 100 doesn't mean anything except 100.

It is sad that a society that honors such people so highly that live to be one hundred years or older does not associate anything to help honor the occasion (especially since it could be most helpful for people buying gifts and also for a few select yearbook editors). The word centennial is too long and clumsy compared to the beautifully simple and elegant Roman centi. All right! Our money system is in parts of one hundred, and the Metric System is also in parts of one hundred, but considering the state of the economy and the confusion in the conversion from the British to the Metric System are they much of a compliment????

As I was leaving the library, Mrs. Fischer, the reference librarian, wanted to try just one more time (poor Mrs. Fischer had become as totally obsessed with this little project as I had become). She found a book on Numerology — the study of mystical meanings in numbers. It seems that every letter of the alphabet is associated with a number so that when a word is spelled out and its numbers are added up, some kind of occult meanings can be derived from it. So for the fun of it I spelled out New Jersey Institute of Technology and added up the numbers — you know what, they equalled exactly 100.
WARNING
These premises protected by attack dogs
Students Organized

War Gamers Club
Gymnastics Club

Audio Club
10 Fathoms Club

Outing Club
BASE

ACM
Indian Students Club

Tau Beta Pi
Korean Students Club

ASME
ODK

Alpha Pi Mu
Chemical Engineering students study industrial processes in their laboratories.
United in Brotherhood
ΠΚΦ
Plants such as the one below welcome many students for summer employment. Here the student usually finds conditions of work exactly like those in his laboratory classes. Lasting contacts often result from the Honors Option and cooperative summer programs.

The RCA Lancaster Pa. plant for television communications and industrial tubes is among the world’s most modern buildings.
The Powers That Be
The Roaring Twenties saw the development of the Charleston, flappers, and the first form of government run by Newark college of Engineering. Yes, the Student Council was established way back in 1925! Details of the first few years of the Council's history are very sketchy. The Fratech, a quarterly school publication, detailed the purpose of the Student Council in its 1936 edition. It stated: "The primary purpose of the Council is to assist or direct student activities or problems which are not specifically under the jurisdiction of any other organized group."

The Council itself consisted of the President, Vice President, Secretary-Treasurer (which were all seniors) and two representatives from each class. The office was located in the basement of Academic Building (try locating that one). The meetings were held at the convenience of the advisor, Director Cullimore, as were student convocations. These convocations were meetings of the entire student body to discuss the purposes and aims of each class.

The 1940's saw several of the standing committees established, including Faculty Relations and Constitutions and also the establishment of the Gold Key Honor Roll. To make the honor roll, you had to be very active in student affairs because only a few points were awarded for each activity. Co-eds became more noticeable on campus as the "Technician" (the school newspaper) headlines in 1944 read "5 Girls in Frosh Class."

It was interesting to compare budg-
eting from the 40's to those of 1980-81. This year the activities budget was almost $122,000. The total budget for 1943 was $175.00! Each class had to pay a fixed amount of dues toward this budget. The 1950's brought the Korean War and the student Council pitched in by setting up blood banks for the armed forces. The infamous question, "Would you as an NCE student favor a compulsory activities fee?," appeared for the first time. On March 23, 1953 the question passed and the $3.50 fee initiated. Another infamous question, that of final exams being reinstated, arises. Then, as now, the majority of students polled opposed them. Student Council cards were sold for $1.50 which entitled the bearer to use of the gym in Weston Hall, admissions to athletic affairs, and participation in varsity and intramural sports.

The 1960's brought an era of rapid change to the NCE campus. Major issues of the early sixties ranged from campus expansion to racism. In April, 1961, the Student Council authorized a student strike against foreign policy and racism but requested that there be no repercussions from faculty and administration since it was part of a national moratorium. Registration procedures were strikingly similar to the alphabetic system tried in the fall of 1980. The Junior Class presented The Four Lads in concert and although gaining socially, they lost financially. The activities fee was raised to $15.00 which necessitated new budgeting procedures.
The late 60's also saw the entire campus as a "no-smoking zone" as all cigarette machines were removed from the campus. An interesting budget was submitted at this time: the NCE Cheerleaders! Final exams were once again proposed by the Student-Faculty Relations Committee in February of 1969, but were dropped again in March of that same year.

The Student Council officially became the Student Senate at this time. Once again, the Senate underwent reorganization as the Board of Commissioners became the new financial advisers.

Parking once again became a campaign issue and the idea of a multilevel parking garage was investigated.

The Publications Council attempted to publish the "FRODO" which would handle "red hot" issues that the "Vector" couldn't cover. The Student Senate voted down this proposal stating that it was afraid that NCE could be associated with un-American, radical political ideas.

Compared to the 1960's, the Seventies were passive.

The early seventies revived the talk about teacher evaluations and common scheduling with Rutgers-Newark. The evaluations would cost too much and the idea of common scheduling was opposed since the Senate believed the proposal was railroaded through by the chairman of the committee without asking student opinions.

The present structure of the Senate was approved back in 1974, which separated the Cabinet and
the Senate into two different entities. The student loan proposal was originally formulated in 1974 as was an Honor Societies Council formed by Tau Beta Pi (after being requested to form such by the Senate).

The mid-70's once again saw the advent of finals and the first plans for on-campus housing for students. The Senate joined the New Jersey Student Association back in 1976 and established the policy of re-budgeting. Pictureless ID cards became the topic of discussion in the late seventies as did faculty members with excessive numbers of overdue library books. The Physics text came under fire by the Senate and the freshmen students and the idea of another activities fee increase again met with opposition from the student body.

The year 1980 will long be remembered as “the year that brought back finals.”

As you may have noticed, the two major problems facing the students throughout the years have been crime and parking. Although the crime problem has noticeably decreased in the recent past due to hard work by the Senate and the NJIT police, the parking problem is as bad as ever. With the master plan currently being considered by NJIT, it appears that the parking problem may come to a solution within the next decade.

The Student Senate has become one of the most vital organizations on campus. As long as it is supported by the students it represents, it will continue to flourish.
Left to Right: Peter Sklannik, President; Jeff Rose, Administrative V-Pres.; Rich Stephan, Financial V-Pres.; Eva Partomak, Treasurer.
Student Senate

Kathie Zboray, Recording Secretary; Michael Morano, Corresponding Secretary.
the inauguration of

Saul K. Fenster
as the Sixth President of
New Jersey Institute of Technology
April 13, 1980
Left: Bryce Anderson, Dean of NCE; Catherine Carver, Alumni Assoc. President; Above: Sanford Greenfield, Dean of NJSOA.
VINCENT CERONE, PRESIDENT OF SAC
(Pictured Right)
Student Activities Council
Publications
BOSS

1.) Ellen Vigilante —
Editor-In-Chief,
Student Survival Handbook

2.) Doug Hambor —
Editor-In-Chief,
Vector

3.) Anthony LaFazia —
Editor-In-Chief,
Nucleus
Nucleus Staff

1.) Jim McGuinness — Photo Editor
2.) Hans Mooy — Photographer
3.) Mary Ellen Deneka — Sports Editor
4.) Patty Lamb — Managing Editor
5.) Wayne Kudenchak — Staff
6.) Hena Ramaswany — Seniors Editor
Vector Staff

1.) John Ciurczak — Arts Editor
2.) Kim Hurley — Photo Editor
3.) Dave Harris
4.) Joe Bordonaro — Business Manager
5.) Gary Paolella
6.) Sam Armejos, John Braddach & Brian Searls — Sports Editor

Not Pictured
Scott Walyus
Michael Clarke
Tom Keenan
WJTB Radio
Sports
Baseball
Tennis
Basketball
Hockey
Soccer
Judo
be careful if you see one . . .
In the days when Cullimore was Dean of the college the students had to take a course on etiquette and manners. What follows now are some excerpts from the text book used entitled, *The Technique of Good Manners*, by Mary Perin Barker.

The three possessions that govern, largely, a young man’s success in life are intelligence, morals and manners. Teachers and parents naturally, and perhaps rightly, are inclined to stress the first two and neglect somewhat the last. Yet first impressions are most lasting and often the most valuable, and the young man of polite and well-mannered address will often obtain a hearing when the more brilliant but uncouth boy is disregarded. And beside this more practical consideration it adds so much to the happiness of life to be at home among men and women of refinement.
Every stratum of human endeavor carries with it its own obligations and privileges. The higher up the scale of social and business relations you go, the greater and more varied become the obligations and privileges.

This technique which is variously called etiquette, good manners, or good taste, is something much more than a set of rules. It is an attitude toward other people, yourself, and life. It is effective only when it is genuine. Back of all good manners must be a sincere desire to be friendly, kind, and tactful — an intelligent sympathy mixed with a large amount of imagination. If this attitude really exists, spontaneous courtesy and true kindliness automatically follow.

Consequently, I shall attempt to show you the value of good manners from the standpoint of your own self-interest. What is it worth to you as a man?

PERSONAL APPEARANCE

Your effectiveness, your popularity, and your success do not depend on good looks or expensive clothes. If you are one of the unfortunate men who simply cannot seem to achieve that well-groomed appearance, if your family are always telling you to spruce up, to comb your hair, clean your fingernails, and straighten your necktie, brush your clothes and black your shoes, then you will have to work very hard indeed on your other good qualities to compensate for the handicap.

The majority of people with whom you come in contact never have the opportunity really to know you; few of them even speak with you. You are always judged first, and in many cases entirely, by the appearance you make. A good first impression is of inestimable value.

The following may be purchased at the five and ten cent store:

- tooth-paste
- nail file
- pocket comb
- shoe cream
- shoe brush
- spot remover
- shaving cream
- shaving lotion
- talcum powder
- deodorant

Besides these, there should be added: a good razor, a good hair brush, a tooth brush, and a pants presser. If you can manage one extravagance let it be a good barber.

The necessity and frequency for shaving I cannot tell a thing about. It all depends on the individual whisker. But I do know that it is most embarrassing for a gentleman to talk with a lady when the interval between shaves has been too long.

The matter of body odor, the famous B.O. of the advertisements, is something that no human being can afford to neglect. It is not by any means completely taken care of by the daily bath. There are several good astringent deodorants on the market which effectively prevent under-arm perspiration. It is much easier and more effective to use the deodorant if the arm pits are shaved. Along with B.O. watch out for halitosis, which is especially offensive at a dance.
The question of clothes depends on your budget. As for underwear and shirts, you can save on laundry bills at least fifty per cent if you will wear rayon or knit underwear and wash it out yourself two or three times a week. It won't need ironing. Buy good socks, wash them often, and keep them darned.

Handkerchiefs — A very good habit to develop is always to carry at least one clean white handkerchief. To see a rumpled and dirty handkerchief pulled out of a pocket has a very jarring and unpleasant effect on others. Handkerchiefs are carried for the purpose of blowing and wiping the nose. It is entirely out of place to use them to clean shoes, to dust furniture, or to wipe automobile grease or laboratory acid from the hands.

If you had to wash your own handkerchiefs, you would not be tempted to use them so often for so many extraordinary purposes.

* * *

TABLE MANNERS

Ordinary, everyday good table manners should have become automatic by this time. They are very revealing, and if yours are remiss, you must work on them. Just how important they are is illustrated by this story told me by a college president:

He was asked by a business friend to recommend a graduate of his school for a job. The friend said that his own sons and sons-in-law were not interested in going into the business, which was the manufacturing and selling of farm machinery; and he wanted to find a young man whom he could train to take it over some day. After the interview, the young man, who had an excellent academic record, was turned down — much to the surprise of the college president who had recommended him. On inquiry the business man wrote: “I am sorry I couldn't take the young man you sent me. I took him to lunch to talk things over and I regret to say that his table manners were so bad that he was disqualified. A great many of my customers are large plantation owners in the South, and when I make my trips, I often stay for meals and even over night in their homes. I couldn't send out a man whose table manners were so bad that my customers would be offended.”

* * *

TEA, RECEPTION, AND BALLROOM ETIQUETTE

Your first duty at a tea, reception, or dance is to find out if there is a hostess or receiving line. If so, go at once to where she (or it) stands and tell your name, if there is any question of its not being known or remembered, and greet your hostess.

If you invite a girl to a dance, it is your absolute duty to see that she has a good time. See that she meets enough other men so that her dances are all engaged, or dance with her yourself. If, for reasons of economy, you go stag to a dance, don’t “chisel”. If you have been invited purposely to swell the stag line, you ought to realize that it is no less than your duty to dance with the wallflowers and unattractive girls. Remember this, the girl who is a total loss in the ballroom may have a good many attractive girl friends to whom she would gladly introduce you, and furthermore, she may be a real person whom you would very much like to know outside the ballroom.
Stag-Line etiquette demands that when you are dancing and a gentleman taps you on the shoulder and asks, "May I cut in?" you should reply, "Certainly," relinquish the young lady, and say, "Thank you" to her. It is not good form to cut right back. The man who refuses to give up his partner is a pest and deserves all the unpopularity that he gets.

When you are presented to a lady who obviously has no partner at the moment, the implication is that you are expected to ask her to dance. Don't stand like a dummy and just look.

When you are invited to a tea, reception, dinner, or dance, it is your duty to make yourself as agreeable to the other guest as you know how. In large part this is done by interesting conversation. There is nothing more stupid than a dumb dinner partner. If you are so shy that you become literally tongue-tied upon meeting new people, try this: make a set of questions or topics for yourself and learn them by heart if necessary.

Are you a stranger here?
Do you go to college here?
Questions about recent news events.
Wars on various fronts.
New shows.
Athletics.
Music, art, and dozens of other subjects that will occur to you.

ATTITUDE TOWARD WOMEN

In the West Point Manual of Courtesies and Customs of the Service, the following appears:

"Nothing so quickly discloses the presence or absence of breeding in a man as does his attitude toward women. In polite society a lady's person is inviolate. To touch her except in dancing or other entirely acceptable purposes is inexcusable rudeness."

During the last few years in many college circles a very prevalent custom of mauling, necking, and petting has been used as a sign of broad-mindedness.

A few years ago a college girl asked me, "Mrs. Barker, do I have to pet to be popular?" I replied, "Yes, you do — if you are not clever."

It is instinctive to women to want to make themselves attractive, interesting, and desirable to men. It is instinctive to men to want to make women submit and yield.

A girl may use all the wiles she possesses to make you desire her, but as soon as she has accomplished that, she is most likely through with you and off to the next man. A nice fastidiousness on your part and a refusal to be "broad-minded" is guaranteed to keep up her interest in you, and what is more, her respect for you. It is not considered a triumph to have many "affairs"; rather it is an evidence of lack of discrimination and taste.
A FEW RULES TO BE REMEMBERED IN YOUR ASSOCIATION
WITH WOMEN

One of the executives of a nationally known company told me that he could size up a man's charac-
ter quicker in half hour's observation of the man with his mother than in a week at the office.

Don't take your mother for granted, and don't be rude or selfish with her. Don't sit by doing nothing
while she carries up a load of wood for the fireplace, or a hod of coal for the stove. Don't sit by reading
and smoking while she washes all the dinner dishes alone. She is probably more tired than you are.

BUSINESS ETIQUETTE

Don't presume to take advantage of the women who are subordinate to you. Swearing, vulgar
language, or ungentlemanly propositions are even less welcome to women in business than in social
relations. On the other hand, the little time-consuming niceties of social intercourse, such as standing
when the women in the office come and go, are not necessary.

CONCLUSION

While you are young keep your enthusiasms, your principles, your beliefs except as they become
modified by experience, but don't go crusading until your reputation has been built up and then your
influence will count in whatever direction you wish to use it. There is an old adage which you might
think about when you feel the urge to go crusading.

"For all the evils under the sun
There is a remedy or there is none.
If there be one, try and find it.
If there be none, never mind it."

At an executive meeting of the General Electric Company, this comment was made: "One of the
first things a young engineer should acquire is a dinner coat, and he should see to it that he wears it to
some function or other at least once a week." That advice is good, figuratively speaking. If you take it
literally, it is even better.
Class of 1981
Ziad E. Shehady
Peter J. Sibilski
William James Siegrist
Gustavo Videira Da Silva

David M. Smith
Kathy A. Smith
Kenneth J. Smith
William F. Smith

Frank J. Stanski III
Robert A. Stantley
Robert G. Staufenberger
Richard E. St. John

class of 1981; page twenty-eight
Alberto P. Abreus  
Architecture  
Intramural Soccer 3; Audio Club 1, 2, 3, 4 Vice-President 3, President 4.

Alberto J. Acosta  
Chemical Engineering

Gregory T. Adams  
Mechanical Engineering  
A. S. M. E. 3, 4.

Steven J. Adamski  
Electrical Engineering

Isoke Adisa  
Chemical Engineering

Hersel Ahdout  
Mechanical Engineering  
A. S. M. E.

Masoud Ahmadi  
Electrical Engineering  
I. E. E. E.; Soccer

Samuel P. Almonte  
Electrical Engineering  
I. E. E. E.; A. F. R. O. T. C.

Michael J. Andrejow Jr.  
Mechanical Engineering  
A. S. M. E. 3, 4

Corrado Angiohif  
Electrical Engineering  
Soccer; Baseball

Rahim Assayesh  
Electrical Engineering

Rick C. Attansio  
Electrical Engineering  
I. E. E. E.; Eta Kappa Nu; Intramural Football, Softball.

Steven T. Baldisserotto  
Mechanical Engineering  
ASME; Pi Kappa Phi

John P. Baranek  
Mechanical Engineering

John M. Barb, Jr.  
Civil Engineering  
ASCE; Tau Kappa Epsilon

Jeffrey Barton  
Architecture  
Baseball 1, 2.

Francis J. Base, Jr.  
Electrical Engineering  
I. E. E. E. 2, 3, 4; Dean’s List; Baseball 2, 3, 4; Football 2, 3, 4.

Moheb M. Bastawros  
Mechanical Engineering  
ASME; Swimming; Arabic association.

Frank J. Bell  
Architecture

Michael Bell  
Mechanical Engineering

Leonard J. Benamy  
Industrial Administration

Miniversity 2, 3, 4; Vector 3, 4; Tau Kappa Epsilon 1, 2, 3, 4; Arthur Co-Ed Social Club 1, 2, 3, 4; Captain of Arthur Intramural Team 1, 2, 3; Frisbee champion.

Edwin M. Benitez  
Electrical Engineering  
I. E. E. E. 1, 2; OLA 3, 4; Amateur Radio Club K2MFF 3, 4.

Wayne M. Bergman  
Chemical Engineering  
AICHE 1, 2, 3, 4; Intramural Football 1, 2, 3, 4; Softball 1, 2, 3, 4; Basketball 1, 2, 3, 4.

Linda M. de Berjeois  
Industrial Administration  
S. A. M. 1, 2, 3, 4.

Ira S. Berkowitz  
Mechanical Engineering  
ASME; Pi Tau Sigma; Intramural Floor Hockey.

Ron Bernard  
Chemical Engineering  
AICHE 1, 2, 3, 4; Society of Collegiate Journalists 2, 3, 4; WJTB-Production Director, Music Director 2, 3, 4; Intramural Soccer 2, 3, 4; Softball 2, 3, 4; Water Polo 2, 3; Track 3, 4; Hockey 2, 3, 4.

Carl Berry  
Industrial Engineering  
AIIE; ISA

Patricia R. Berry  
Computer Science  
ACM 2, 3, 4; Omicron Delta Kappa 3, 4; Upsilon Pi Epsilon 3, 4; Vector 2; Student Activities Council 1, 2 Secretary 3, 4; Intramural Volleyball 3.

Edward R. Bestle  
Electrical Engineering  
I. E. E. E.; Judo

Kevin A. S. Bilal  
Electrical Engineering Technology

Ernest J. D. Biron, Jr.  
Mechanical Engineering  
ASME 4, 5; Miniversity 2, 3, 4, 5; Octobertech 3; College Weekend 2, 3; Iota Kappa Phi—Social Director-Pledge Master-House chairman-Vice-pres.; IFC Intramural Football.
Walt J. Blanken  
Architecture

Steven J. Boho  
Electrical Engineering
I. E. E. E. 2, 3, 4; Intramural Basketball 3.

Joseph P. Bordonaro  
Industrial Administration
SAM 2, 3, 4; ACM 3, 4; SCJ 3, 4; Senate V-Pres. 2, BSIA Rep. 2, Freshman Rep. 1; Sigma Pi, Social Chmn. 2, Treas. 3, Pres. 4; Publications Council Pres. 3, 4; Nucleus 1; Vector, layout editor 2, Managing editor 3, news editor 3, business manager 4; Orbit 2, 3, 4; Intramural Softball 4; Bowling 2, 3, 4; Football 3, 4; IFC Social Chmn. 2.

Jonathan M. Branker  
Computer Science
I. E. E. E. 3, 4; ACM 3, 4; Pi Delta Epsilon 3, Pres. 4; Alpha Phi Gamma 3, Pres. 4; Co-Chairman Senate Finance Committee 3, 4; Chief Engineer, WJTB 2, 3, 4; Aviation Club 1, vice-pres. 2, pres. 3; Ten Fathom Club 1, vice-pres. 2, pres. 3, 4.

John G. Brass  
Electrical Engineering
ISA 2, 3, 4; I. E. E. E. 3, 4; Intramural Soccer, Captain 1, 2, 3, 4; Hellenic Club 1, 2, 3, 4.

Norma J. Brown  
Industrial Administration
SAM, sec. 3, vice-pres. 4; BASE 1, 2; NJIT Student Task Force 3, 4; E. O. P. Student Advisory Board 3, 4.

Jennie-Ann Bruno  
Computer Science
Tau Beta Pi 4; Upsilon Pi Epsilon 3, 4.

James E. Butler  
Chemical Engineering
AICKE

Gennaro A. Caccavale  
Electrical Engineering
I. E. E. E. 3, 4; I. S. A. 3, 4; Intramural Soccer.

Joseph F. Calabrese  
Industrial Engineering
A. I. I. E. 2, 3, 4; Alpha Pi Mu 3, 4; Intramural Basketball Floor Hockey.

Hans J. Candia  
Electrical Engineering

Frank R. Cannova  
Chemical Engineering
A. C. S. 2, 3, 4; A. I. C. H. E. 2, 3, Pres. 4; Phi Eta Sigma; Senate Representative 3; Theta Chi, vice-pres. 3; Intramural Basketball, Football, Softball.

Henry P. Cartaya  
Mechanical Engineering
A. S. M. E. 3, 4.

Marc Robert Cassidy  
Chemical Engineering
A. I. C. H. E.; WNCE 2, 3; Intramural Swimming, Track 2, 1; Varsity Swimming.

Louis Castiglioni  
Chemical Engineering
A. I. C. H. E.; Tau Beta Pi; Phi Eta Sigma; Omega Chi Epsilon; Outing Club.

Vincent Cerone  
Computer Science
A. C. M. 2, 3, 4; SAC 2, 3, 4; Theta Chi

Chih-Ming Chen  
Mechanical Engineering
A. S. M. E.; Chinese Student Club.

Andrew W. Cho  
Electrical Engineering
I. E. E. E.

Patrick L. Chumbley  
Civil Engineering
Vector 1, 2; Ice Hockey Team 1, 3, 4.

David Stephen Chwat  
Electrical Engineering Technology

John M. Christodoulou  
Mechanical Engineering
A. S. M. E.; I. S. A.; Hellenic Club; Intramural Soccer 1, 2, 3, 4.

Mahire Senkan Clarke  
Architecture
Vector Features Editor 3; Orbit Associate Editor 5.

Michael R. Clarke  
Man & Technology
Student Senate Rep. 4; Vector 3, 4, Features Editor 2; WNCE 1; Orbit Editor-in-Chief 3, 4; SAC 1.

Donna Sue Coen  
Architecture
A. I. A. 1, 2, 3; Dean's List; ODK Sophomore of the Year; Who's Who in American Colleges and Universities Senate Rep. 1, Secretary 2; Omicron Delta Kappa 2, 3, 4, 5; Intramural Paddleball 2; Peer Counselor 2, 3; Pub 2, 3, 4.

John M. Coffey  
Civil Engineering
A. S. C. E. 1

Eduardo DiPrimio M. Conceicao  
Civil Engineering
Vincent Dyreyes Constantino  
Division of Technology — Manufacturing
James Robert Cook
Chemical Engineering
A. I. C. H. E. 2, 3, 4; Varsity Soccer 1, 2, 3.

Stephen R. Corbett
Architecture
Phi Eta Sigma; Pi Kappa Phi.

Michael J. Corbo
Electrical Engineering
I. E. E. E. 2, 3, 4; Tau Beta Pi 3, 4; Eta Kappa Nu 3, Pres. 4; Phi Eta Sigma 1, 2, 3, 4; Senate Rep. 1; I. E. E. E. Newspaper; “The Pulse” 2; Intramural Soccer; SAC; Audio Club.

George M. Corsi
Mechanical Engineering
A. S. M. E.

Henry Joseph Costa
Industrial Engineering
A. I. I. E. 1, 2, 3, 4; A. S. Q. C. 4; Marines (PLC); Intramural Soccer.

Richard Michael Coughlin
Computer Science
Beta Psi

Neil K. Cramer
Mechanical Engineering
A. S. M. E. 1, 2, 3, 4; Intramural Basketball 2.

Richard C. Culp
Architecture
A. I. A. 3; Pi Kappa Phi

Felix Emanuel Cummings
Electrical Engineering
I. E. E. E.; N. S. B. E.; B. A. S. E., treas.; SAC; Intramural Basketball, Softball.

John A. Dal Pan
Engineering Science
ASME; ANS; League of Technical Professionals; Alpha Sigma Mu; Old Friends Beneficial Club Pres.; Italian-American Family Assoc.

Daniel J. Daniello
Mechanical Engineering
ASME; Pi Tau Epsilon; Theta Chi, Pledge Marshal 1, Athletic Chmn. 1; IFC Intramurals.

Charles P. Daniels, Jr.
Nuclear Engineering

Michael A. D'Annunzio
Civil & Environmental Engineering
ASC 1, 2, treas. 3, pres. 4; Tau Beta Pi 3, 4; Omicron Delt Kappa, corresponding sec. 3, 4; Chi Epsilon 3, 4; Concrete Canoe Club; Intramural Basketball; Intercollegiate Baseball 3, 4.

Gary A. Davenport
Architecture
Society of Collegiate Journalists 2, 3, 4, 5; Sphere Editor 2, 3, 4, 5; Vector 3.

Paul O. Davis
Mechanical Engineering
ASME; Tau Beta Pi; Rifle Team 1, 2, 3, 4.

Mihaly Deak, Jr.
Mechanical Engineering
ASME 1, 2, 3, 4; Gymnastics Team 2, 3.

Thomas Anthony DeFalcon, Jr.
Civil Engineering
ASCE 2, 3, 4; Freshman Honor Society; Chi Epsilon 3, 4; Civil Rep. to Senate 4, Intramural Softball 1, 2, 3, 4, Football 1, 2, 3, 4, Basketball 1, 2, 3, 4.

Mary Ellen Deneka
Industrial Administration
AIIE; Yearbook sports editor 3, 4; Intramural Volleyball, Waterpolo.

Steven A. Derasmo
Architecture
AIA 2, 3; Advisory Committee to the Dean 3; Student Assistance Committee 4, 5; Yearbook 5; Intramural Track and Field 2.

Curtis J. DeVito
Computer Science
Phi Eta Sigma

Jorge E. Diaz
Computer Science
ACM; Intramural Basketball.

Gregory T. Doidge
Chemical Engineering
AICHE 1, 2, 3, 4; Tau Kappa Epsilon 1, 2, 3, 4; Intramural Football 1, 2, 3, 4; Softball 1, 2, 3, 4; Floor Hockey 3, 4; Basketball 1, 2.

Thomas N. Dowling
Mechanical Engineering
ASME; Phi Lambda Sigma

Michael W. Dudasik
Architecture
Orbit 2; Intramural Basketball, Softball.

Arnold Dumond
Industrial Engineering Technology
Society of Plastics Engineering; Society of Manufacturing Eng.; Tennis.

Sami J. Eliya
Chemical Engineering
AICHE

Dean P. Emmolo
Mechanical Engineering
ASME; Phi Eta Sigma 1, 2, 3, 4.

Norman Endick
CIS
ACM 2, 3, 4, pres.
Craig A. Facente  
Electrical Engineering  
Intramural Softball 1, 2; I. E. E.

Kinston W. Fairclough  
Electrical Engineering  
I. E. E. 4; Rifle Team 1, 2, 3, 4.

Thomas A. DeFalcon Jr.  
Civil Engineering  
A. S. C. E. 1, 2, 3, 4; Student Ambassador 4; Phi Eta Sigma 1, 2, 3, 4; Chi Epsilon 3, Editor-in-Chief 4, Marshal 4; Student Senator 4; Miniversity 1980; Intramural Football 1, 2, 3, 4; Softball 1, 2, 3, 4; Basketball 1, 2, 3, 4.

Dean R. Farrand  
Mechanical Engineering  
A. S. M. E.; Intramural Football.

William B. Feury  
Mechanical Engineering  
A. S. M. E. 2, 3, 4; Order of Engineers; Intramural Track 4; Ski Club 3, 4; Outing Club 4.

Ralph L. Finelli  
Architecture  

Gary J. Fischman  
Electrical Engineering

Daniel Foti  
Chemical Engineering  
A. I. C. H. E. 3, 4; Intramural Football; Softball; Basketball 1, 2, 3, 4.

Kenneth J. Fox  
Architecture  
A. I. A. 3, 4; Iota Kappa Phi President 4, Vice-President 2, Social Director 2, 3; I. F. C. Athletic Director 3; Football 1, 2, 3, 4; Basketball 1, 2, 3, 4; Softball 1, 2, 3, 4; Intramural Water Polo 1; Basketball 2; Ski Club 1; Outing Club 1.

Anthony J. Franzonia  
B. S. I. A.  
S. A. M.; A. S. M. E.; Miniversity 1979 Director.

Pasquale A. Fusco  
Architecture  
A. I. A. 2, 3; Phi Eta Sigma; Curriculum Committee N. J. S. O. A. 3; Advisory Committee to the Dean 4; Almost Anything Goes Competition.

Thomas M. Futej  
Mechanical Engineering  
A. S. M. E. 3, 4.

Richard A. Gabel  
Industrial Engineering  

David M. Gaddis  
Civil Engineering  
Varsity Swimming 1, 2, 3, 4, Capt.
Miner H. Gleason III
Electrical Engineering
I. E. E. E.; Tau Beta Pi, Eta Kappa Nu.
David T. Gockel
Civil Engineering
A. S. C. E. 2, 3, 4; Tau Beta Pi 3, 4; Omega Delta Kappa 4.
Gina N. Gonsalves
Engineering Technology
S. M. E.
Bill Grande
EE/ChE
A. i. C. H. E. 3, 5; I. E. E. E. 5; Tau Beta Pi; Eta Kappa Nu; Omega Chi Epsilon; Omicron Delta Kappa; Pi Kappa Delta; Shere 3.
Gregory Drew Gass
Mechanical Engineering
A. S. M. E. 4; Tau Kappa Epsilon 1, 2, 3, 4.
James L. Gray
Computer Science
Peter J. Graziano
Electrical Technology
Michael J. Grazioso
Chemical Engineering
Tau Beta Pi; Omega Chi Epsilon; A. I. C. H. E.
David F. Greco
Mechanical Engineering
A. S. M. E.; Pi Tau Sigma
Robert P. Greeley Jr.
Man & Technology
Kappa Xi Kappa
Sean Timothy Gribbon
Mechanical Engineering
Intramural Waterpolo 4; Varsity Swimming 4; Rifle 4.
Thomas Griffoul
Mechanical Engineering
A. S. M. E. 2, 3, 4; Coop 2, 3; Order of the Engineer 4; Pi Tau Sigma 3, 4; Intramural Track 1, 2, 3, 4 Softball 2; Volleyball 2; Football 4; Outing Club 2; vice-pres. 3, pres. 4.
Irene C. Grodzki
Engineering Science
Vector, Nucleus
Esther Groel
Industrial Administration
S. A. M. 1, 4.
Charles M. Gruber
Chemical Engineering
A. I. C. H. E. 2, 3, 4; A. C. S. 2, 3; Phi Eta Sigma 1, 2, 3, 4; Alpha Phi Delta, treas. 2, 3, pres. 3, 4; Rifle Team 1; Ski Team 1, 2, 3, 4; Intramural Softball 1, 2, 3, 4; Football 1, 2, 3, 4; WJTB 1.
Alan Dale Guerriero
Electrical Engineering
I. E. E. E.
Gregg P. Gunderson
Architecture
A. I. A.; Soccer Team; Studio Aeronautics Club.
Ronald Michael Gurdak
Mechanical Engineering
A. S. M. E.; Tau Beta Pi; Phi Eta Sigma; Pi Tau Sigma; Tau Kappa Epsilon.
Marie B. Hagemann
Industrial Engineering
A. I. I. E. 2, 3, 4; Alpha Pi Mu 4.
Bryan E. Haul
B. S. I. A.
S. A. M.
Warren L. Hall
Electrical Engineering
Caribbean Student's Organization; Soccer; Track and Field.
Douglas F. Hambor
Civil Engineering
A. S. C. E.; Society of Collegiate Journalists; Who's Who Among American Colleges; Vector Sports Editor; Editor-in-Chief 4, 5; Sigma Pi Pledgemaster 3; Vice-President 4; IFC Football, Basketball, Bowling, Softball; Intramural Basketball, Paddleball, Softball.
Linda C. Hammond
Industrial Engineering
A. I. I. E. 2, 3, 4; N. S. B. E., B. A. S. E. 1, 2, 3, 4.
Grayson J. Hampton
B. S. I. A.
Kappa Alpha Psi
David S. Hansen
Civil Engineering
A. S. C. E. 1, 2, 3, 4.
Soraya Haroonian
C. I. S.
John T. Harrison III
Engineering Technology
S. E. T. 4; Tau Beta Pi 4; Intramural Basketball, Softball.
Todd Harvey
Architecture
Tennis Team 1, 2, 3, 5.
class of 1981; page forty
Andrew J. Havrilla
Engineering Technology
Intramural Football, Basketball.

Thomas B. Heckman
Manufacturing Technology
Ski Club

Arthur H. Hendela
Chemical Engineering
A. I. Ch. E. 2, 3, 4; A. C. S. 2, 3, 4; Omega Chi Epsilon 3, 4; Tau Beta Pi 3, 4; I. V. C. F. 1, 2, 3, 4.

Melvin C. Hinton
Management Engineering
I. E. E. E.

Vernon C. Holder
Mechanical Engineering
A. S. M. E.; Caribo; Soccer.

Lo Ho
Chemical Engineering

Frank G. Horneck
Chemical Engineering
A. I. Ch. E. 2, 3, 4, vice-pres. 3; A. C. S. 3; Phi Eta Sigma; Omega Chi Epsilon; Tiernan Express; Intramural Softball 1, 2, 3; Track and Field 2; Football.

Michael W. Hughes
Architecture

Carl M. Incao
Electrical Engineering
I. E. E. E. 2, 3, 4; Intramural Football 2, 3, 4; Softball 2, 3, 4; Basketball 3, 4; Volleyball 2.

Richard H. Infantino
Electrical Engineering
ISA; I. E. E. E.; ASAS; Intramural Football; Basketball; Softball.

Joseph Isolda
Electrical Engineering
I. E. E. E.; ISA

Edward J. Jadczak
Chemical Engineering
AIChE 1, 2, 3, 4; Theta Chi 1, 2, treas. 4, pres. 3; Intramural Football; Softball 1, 2, 3, 4.

Rick A. Jarzemowski
Architecture

Carl G. Johanson
Industrial Engineering Technology
American Society of Heating, Refrigerating and Air-Conditioning Engineers; Society of Manufacturing Engineers.

Sheila R. Johnson
Industrial Administration
SAM 3, treas. 4.

Robert J. Junda
Chemical Engineering

Daniel P. Kaepernik
Engineering Technology
Cross Country 4.

Stephen J. Kanyo
Mechanical Engineering
Alpha Phi Omega; Student Activities Council 1, 2, 3, 4; vice-president 4; Films Chairman 2, 3; S. A. C. Volleyball.

Rudolph K. Kupichak
Chemical Engineering
A. I. Ch. E. 2, 3, 4; WJTB 1.

Arnold H. Katz
Engineering Technology
Tau Alpha Pi 1.

Majid Kayhan-Maho
Mechanical Engineering
A. S. M. E.; Karate Club; Ski Club; Basketball, Tennis, Swimming.

Robert M. Keane
Electrical Engineering
I. E. E. E.; Intramural Football, Softball, Basketball.

Emanuel H. Khan
Chemical Engineering
A. I. Ch. E.; A. S. C.

Memphis H. King Jr.
Electrical Engineering
I. E. E. E.

Paulette Y. Kita
Chemical Engineering

Marilyn J. Klotz
C. I. S.

Peter E. Koscik
Civil Engineering
A. S. C. E. 3, 4; Chi Epsilon Xe 3, 4; Student Senator 4.

Michael J. Kolber
Chemical Engineering
A. I. Ch. E. 1, 2, 3, 4, 5; A. S. C. 3, 4, 5; Student Activities Council 1, 2, 3, 4, 5.

Lawrence D. Koldorf
Architecture
Baseball 2, 3, 4; Swimming 2, 3, 4.

John W. Korunow Jr.
Civil Engineering
A. S. Ch. E. 3, vice-pres. 4; Bowling 3, 4.

Wieslaw S. Krajewski
Chemical Engineering
A. I. Ch. E.
Ted F. Krawczyk  
Electrical Engineering Technology  
I. E. E. E.; S. A. E.; I. S. A. Student Senator;  
Amateur Radio Club President.

Steven M. Krupinski  
Chemical Engineering  
A. I. Ch. E.; Tiernan Express

Miro Kubince  
Electrical Engineering  

Victor Kuchynsky  
Electrical Engineering  
A. C. M. 3, 4; Tau Beta Pi 3, 4; Judo Team 2;  
Outing Club 2, 3, 4; Amateur Radio Club 3, 4.

Wayne G. Kudenchak  
Civil Engineering  
A. S. C. E.; Nucleus; Wednesday Morning  
Breakfast Club; Intramural Football, Basketball,  
Paddleball, Softball, Gymnastics, Volleyball  
Director.

Wieslaw W. Kwicien  
D. O. T.  
Intramural Softball 1, 2; Basketball.

Rocco A. Labato  
Electrical Engineering

Michael Lachowski  
Mechanical Engineering  
A. S. M. E. 2, 3, 4; Phi Eta Sigma 2, 3, 4; Tau  
Beta Pi 3, 4.

Thomas H. Lambert  
Chemical Engineering  
A. I. C. H. E. 2, 3, 4; Tennis, Hockey, Karate,  
Horseback Riding.

George M. Lasica  
Industrial Engineering  
Karate 1.

Hai Dinh Le  
Chemical Engineering  
A. I. C. H. E.; C. S. A.

Lyle A. Leach  
Chemical Engineering

Samuel William Lebbetault  
Mechanical Engineering  
Society of Hispanic Professional Engineers; A. S.  
M. E.; O. L. A.; Pi Tau Sigma Intramural  
Volleyball, Basketball, Softball; Varsity  
Volleyball.

Ray S. Lee  
Chemical Engineering  
Chinese-American Club 4.

Donald J. Leithauser  
Mechanical Engineering Technology  
I. C. E. T.; Tau Beta Pi.

Edward Anthony Liberty  
Mechanical Engineering  
Intramural Swimming, Water Polo; Varsity  
Swimming 2, 3.

Shelley Maria Licorish  
Industrial Engineering  
N. S. B. E.; Caribso; Tennis Intramurals; Soccer  
Team Manager.

Sam-yin Lin  
Chemical Engineering  
A. I. C. H. E.; C. S. A.; Intramurals Soccer,  
Badminton.

Philip E. Ling  
Mechanical Engineering  
A. S. M. E. 3, 4; C. S. A. 3, 4.

Man-Ho M. Lo  
Industrial Engineering  
A. I. I. E.; Tennis, Swimming.

Silvia R. Lopez  
Engineering Science

Leon Eng Louis  
Industrial Engineering  
A. I. I. E.; Varsity Tennis

Silvia Lugo  
Industrial Administration  
S. A. M. 3, sec. 4.

Richard P. Luongo  
Chemical Engineering  
A. I. Ch. E. 2, 3, 4; Senate Rep. 2; Sigma Pi;  
Vector Features Editor 2, 3, 4.

Thomas Lustrino  
Computer Science  
A. C. M. 4; Intramural Softball 1, 2, 3, 4, Flag  
Football 1, 2, 3, 4.

David N. Lyman  
Mechanical Engineering  
A. S. M. E. 3, 4; Pi Tau Sigma 3, 4; Christian  
Fellowship 3, 4.

John Charles Lyman  
Mechanical Engineering  
A. S. M. E. 3, 4; Alpha Sigma Mu treas. 2, pres.  
3; Judo 3, 4.

Joseph Lynch  
Chemical Engineering  
A. I. Ch. E. 2, 3, 4; Intramural Football,  
Basketball, Softball 1, 2, 3, 4; Director of  
Basketball 3; Director of Intramural Sports 4.

Robert K. Lynch  
Electrical Engineering  
I. E. E. E.; Fencing Captain 1, 2, 3, 4; Tennis 1, 2.

Michael B. Lyons  
Architecture  
Spere 3, 4, Distribution Editor.
George Machnowsky  
Electrical Engineering  
Steve P. Mancuso  
Mechanical Engineering  
Cooperative Education 2, 3; ASME; Tau Kappa Epsilon; Indoor Track 3, 4; Outing Club 3, 4.

Antonio Mannarino  
Electrical Engineering  
I. E. E. E. 2, 3.

Paul Anthony Marchese  
Electrical Engineering  

Gary Raymond Marciniak  
Mechanical Engineering Technology  
ASME 3, 4; SET 4.

Michael A. Marconi  
Architecture  
Phi Eta Sigma 2, 3, 4, 5.

Gerald H. Marek  
Chemical Engineering  
AIChE 3, 4.

Antonio F. Martinez  
Civil Engineering  
ASCE 2, 3, 4; SHPE 2, 3, 4.

Everto S. Martinez  
Engineering Technology

John P. Mascarich  
Electrical Engineering  

Marc D. Mashberg  
Civil Engineering  

Robert W. Maslo  
Chemical Engineering  
A. I. Ch. E. 2, 3; ACS 2, 3; Tau Beta Pi 3; Omega Chi Epsilon 3.

Steven J. Matilsky  
Architecture  

Tsung-Wei (Dave) May  
Chemical Engineering  
A. I. Ch. E.; ACS; ISA.

Christopher J. McCloskey  
Chemical Engineering  
A. I. Ch. E. 1, 2, 3, 4; Intramural Soccer, Football, and Swimming.

Gary John McCoola  
Architecture  
"Norman's Reggae Band"

Sheila M. McDonough  
Civil Engineering  
ASCE 3, 4; Ski Club 3, 4.

Wilfred Adolphus McKoy  
Mechanical Engineering  
ASME, publicity chmn. 2; NSBE, pres. 4; Phi Eta Sigma 1, 2, 3, 4; Student Senate 2; Educational Opportunity Program's Student Advisory Board 2, 4.

Peter Cosmas Meroni  
Electrical Engineering Technology  
Tau Alpha Pi.

Brian J. Meserlian  
Mechanical Engineering  
ASME 1, 2, 3, 4; Phi Eta Sigma 1, 2, 3, 4; Pi Tau Sigma 3, 4; Who's Who Among American College Students; Freshman Class Pres.; Student Senate, ME Rep. 2, 3; Alpha Phi Delta 2, 3, 4; Cross Country Team 1, 2, 3, 4; Ski Team 1, 2, 3, 4.

John Albert Michel  
Mechanical Engineering  
ASME; SCJ, Who's Who Among American College Students; Sigma Pi 1, 2, 3, 4; Vector, photo ed. 3, business manager 4; Fencing Team; Sabor Team, captain 3; IFC; Football, Softball; Aviation Club.

Frank D. Mihalik  
Industrial Engineering  
AIIE' 3, 4; Intramural 1, 2, 3, 4.

Harry E. Miller  
Chemical Engineering  
Baseball 1, 2; Intramural Basketball 1, 2, 3, 4; Softball 3, 4; Bowling 3, 4.

Joseph D. Milora  
Mechanical Engineering Technology  

Rosann Miloscia  
Mechanical Engineering  
ASME 2, 3, 4; Student Senate 1, 2; Administrative vice-pres. 2, 3; ex-officio 3, 4; Senior Class Pres.; Sigma Pi 2, 3, 4; Vector, feature.

Victor S. Molczyk  
Electrical Engineering  

Anthony Monaco  
Chemical Engineering  
A. I. Ch. E. 1, 2, 3, 4.

Michael F. Mondok  
Civil Engineering Technology  
SSET 3, 4; SSCC 3, 4; Tau Alpha Pi 3, 4; Rifle Team 3, 4.

Hans Jeffrey Mooy  
Architecture  
AIA 3, 4, 5; Ferry Street Foundation vice-president Ferry Street Foundation 3, 4, 5; Ferry Street Group 3, 4, 5; Debate Team 3, 4, 5; Yacht
Club 3, 4, 5; Thursday Afternoon Bike Club 3, 4, 5; Nucleus Photo Staff 5; Instant Karma Club 5; President Instant Karma Club 5.

Daniel D. Morris
Architecture
Writer 1, 2; SAC 1, 2.

Lorraine Mnich
Industrial Engineering
SAM 1; AIIE 3, 4.

Frank S. Modrowsky
Electrical Engineering Technology
Aviation Club 3, 4.

Carl A. Moenke
Mechanical Engineering
ASME 2, treas 3, chmn 4; Tau Beta Pi 3, treas. 4; Pi Tau Sigma, treas. 3, 4; Phi Eta Sigma 1, 2, 3, 4; Omicron Delta Kappa 4; Committee for Engineering Science Students 1, co-chmn 2; Alpha Sigma Mu, sec. 1, 2, 3, 4.

Jeff Moghrabi
Mechanical Engineering
ASME 2; Phi Eta Sigma 1, 2; Tau Beta Pi 3, 4; Soccer Team 1, 2, 3, 4.

Joseph C. Mosso
Chemical Engineering
A. I. Ch. E. 3, 4, 5; Vector 1; Tiernan Express 3, 4; Tau Kappa Epsilon, Activities Chmn 3, sec. 1, treas. 2, pres. 4; Debate Club 1; Intramural Basketball 1, 2, 3, 4; Football 1, 4; Soccer 1, 2, 3; Floor Hockey 3, 4; Softball 1, 2, 3, 4.

Ricky T. Muhammad
Electrical Engineering
I. E. E. E, A. E. S. S., A. A. A. S.

Michael John Mulcahy
Civil Engineering Technology
SSCC 3, 4; Dean's List 3; Baseball 3, 4.

Joseph A. Nacci
Architecture
Wolfgang V. Name
Mechanical Engineering
ASME 2, 3, 4; Cross Country Team 1, 2, 3, 4.

Richard B. Naprawa
Man and Technology
Alpha Phi Omega; Orbit; Bowling; Jogging; Weight-lifting.

Neville V. Neil
Mechanical Engineering
ASME; NSBE; Intramural Soccer, Paddleball.

Paul Anthony Neilson
Chemical Engineering
A. I. Ch. E. 3, 4; ACS 3; Student Senate 4; Christian Fellowship 2, 3, 4; Caribso 1, 2, 3, 4, pres. 1; Intramural Soccer 3, 4; Track 3, 4.

Gary C. Nelson
Chemical Engineering
A. I. Ch. E. 3, 4.

Paul S. Newman
Architecture
AIA; Phi Eta Sigma.

Kenneth E. Neyman
Civil Engineering
Phi Eta Sigma

Chrystalla G. Nicola
Chemical Engineering
ISA, sec. 3; A. I. Ch. E. 1, 2, 3, 4; ACS 3, 4; Student Senate Cabinet 3, 4; Hellenic Club 3, 4, vice-pres.; Photo Club 3, 4.

Linda M. Del Nobile
Architecture
AIA 3; Senate, corr. sec. 2; Arch. rep. 3.

Michael E. Norton
Mechanical Engineering
ASME 2, 3, 4; Pi Tau Sigma 3, 4.

Saba Nuralioglu
Architecture
SAC 4; Volleyball 4; Ski Club 4.

Michael A. Nycz
Electrical Engineering
I. E. E. E, A. E. S. S., A. A. A. S; Phi Eta Sigma; Eta Kappa Nu; Tau Beta Pi; Orbit 2; Tennis 1, 2, 3.

John E. Oehnauer
Electrical Engineering
I. E. E. E. 3, 4; ISA 3, 4; Christian Fellowship 3, 4.

Rich Oechsler
Architecture
William F. Oesterle, Jr.
Mechanical Engineering
ASME

Lucky E. Oghogbomeh
Electrical Engineering
BASE; Caribso, NSBE, Intramural Soccer.

John C. Oguh
Engineering Science

Thomas J. O'Haire
Industrial Engineering
AIIE; Intramural Softball 2, 3.

Remi L. Ojesanmi
Civil Engineering Technology
Soccer and Engineering Club; Intramural Tennis; Intercollegiate Table Tennis.

Simon B. Oset
Industrial Administration
SAM; Intercollegiate Tennis; Soccer.

Joseph C. PaHi
Mechanical Engineering
ASME
Thomas R. Panck  
Electrical Engineering  
Intramural Basketball, Football.

Peter T. Pankewicz  
Industrial Engineering  
AIIE; Theta Chi 2, 3, 4; IFC Secretary.

Gary Paolella  
Civil Engineering  
ASCE; Chi Epsilon; Sigma Pi; Intramural Sports; IFC Sports.

Dominick J. DelliPaoli  
Industrial Administration  
SAM 1, 2, 3, 4.

Dori Passarelli  
Architecture  

Sandeep A. Patel  
Industrial Engineering  
AIIE 2, 3, 4; Intramural Basketball, Baseball 1, 2, 3, 4; Tennis 2, 3, 4; Soccer 3.

James W. Patterson  
Electrical Engineering  
I. E. E. E. 4; Senate 2, 3, 4; Sigma Pi 2, 3 vice president 4; IFC 2, secretary 3 president 4, A. O. D.; Intramural Football 1, 2; Softball 1, 2; IFC Football, Softball 3, 4.

Richard Pedersen  
Mechanical Engineering  
ASME 2, 3, 4; Senate Representative 2 vice-pres. 3; Pi Kappa Phi 2, treas. 3; IFC sports 2, 3, 4; Intramural Softball 1, 2, 3; Water Polo 2.

Mercedes M. Pena  
Chemical Engineering  
ACS; Prof. Society of Hispanic Engineers; CLA; Intramural Volleyball.

Aurelio E. Perez  
Civil Engineering  
ASCE; Vector; Intramural Softball, Water Polo, Football, Bowling.

Santiago R. Perez  
Civil Engineering  
ASCE; Hispanic Society of Prof. Engineers; Aviation Club.

Josephine Perrella  
Mechanical Engineering  
ASME 1, 2, 3, 4; Outing Club 4.

Robert F. Peters  
Electrical Engineering  
I. E. E. E.

Philip M. Petrowski  
Civil Engineering  
ASCE; Miniversity 1, 2, 3; Tau Kappa Epsilon Pledge Master 2, secretary 3; Intramural soccer, Floor hockey, Football.

Kenneth H. Pfaff  
Electrical Engineering  
I. E. E. E. 2, 3, 4; Phi Eta Sigma 1, 2, 3, 4; Eta Kappa Nu 3, 4; Christian Fellowship Club.

Hai H. Phan  
Chemical Engineering  

Thai X. Pho  
Chemical Engineering  

Thomas Pienciak  
Architecture  

Manuel P. Pimenta  
Electrical Engineering  

Alexis A. Pineda  
Man and Technology  

Enio M. Pineda  
Computer Science  
ACM; Intramural Basketball

Leonardo A. De Pinto  
Civil Engineering  
ASCE 2, 3, 4; Society of American Military Engineers 1, 2, 3, 4; Chi Epsilon 3, 4; Who's Who 3, Civil Engineering Representative 3, Judicial Review 3, Student Faculty Relations 3, Elections Committee 3, Platform Committee 3; Orbit; Intramural Paddleball.

John M. Pistacchio  
Electrical Engineering  

Catherine M. Pizzo  
Industrial Engineering  
AIIE 3, 4.

Edward T. Polkowski  
Electrical Engineering  
I. E. E. E. 2, 3, 4; Tau Beta Pi Honor Society Council Representative 3, 4; Eta Kappa Nu 3 vice-pres. 4; Judo 3.

George Poltorak  
Chemical Engineering  
AI CHE; WJTB; Intramural Basketball 1, 4; Football 4; Golf 4.

Antonio Porter  
Industrial Administration  
Senate Representative 4; SAM 3, 4; National Society of Black Engineers 2, treas. 3; BASE vice-pres.

John J. Posch  
Architecture  
AIA 1, 3; Sphere 3, 4, 5.

Yonathan Preiss  
Mechanical Engineering  
ISA 3, 4; ASME 2, 3, 4; Pi Tau Sigma 3, 4.
Thomas J. Pyaeski
Electrical Engineering
I. E. E. E.; ISA; Intramural Softball, Football.
Cindy J. Pynn
Chemical Engineering
AIChE 1, 2, 3, 4; Tau Beta Pi 3, 4; Omega Chi Epsilon 3, 4.
Bernard A. Raad
Electrical Engineering
I. E. E. E.; Distinction in Humanistic Studies; NRA; Pistol Team Captain.
Hamid R. Rafiei
Civil Engineering
Zainah M. Rahim
Civil Engineering
National Society of Black Engineers 2, 3, 4; Senate Senator 2; Caribso 1, 4 secretary 2, president 3; BASE 1, 2, 3, 4.
Muhammed A. Rahman
Chemical Engineering
Henry T. Rand
Chemical Engineering
AIChE 2, 3, 4; Theta Chi 1, 2, 3, 4; Amateur Radio Club K2MFF 1, 2, 3, 4.
Patricia L. Reddick
Environmental Engineering
Technology; Forensic Club.
Harold J. Redling
Electrical Engineering
I. E. E. 3, 4.
Gary M. Reggiani
Engineering Technology
Intramural Softball 3, 4; Intercollegiate Ice Hockey 3, 4.
Louis E. Rinaldi
Chemical Engineering
AIChE, Tau Beta Pi 1; Omega Chi Epsilon 1.
Antonio Mendez-Rivera
Industrial Administration
Louis S. Romola
Electrical Engineering Technology
Michael J. Rosamilia
Mechanical Engineering
ASME; National Honorary Mechanical Engineering Fraternity, secretary 3, president 4.
Gordon D. Ruiterman
Chemical Engineering
AIChE; Sigma Pi; Ski Team 1, 2, 3.
John R. Runfolo
Civil Engineering
ASCE; Intercollegiate Varsity Basketball.
David J. Rychalsky
Electrical Engineering Technology
Charles A. Sahyoun
Mechanical Engineering
Angelo I. Saitta
Mechanical Engineering
Intramural Hockey 1, 2, 3, 4; Water Polo.
Fawzy I. Salib
Mechanical Engineering
Domenick Salvemini
Mechanical Engineering Technology
ASME 2, 3, 4; SET 4; Alpha Phi Omega 3, 4; SAC 3, 4.
Steven G. Santoro
Chemical Engineering
Rodolfo Jose Sapp
Mechanical Engineering
ASME; Vector, Sports; OLA; FELA; Intramural Soccer, Basketball; Soccer Team 4, All State 1977.
Salvatore Savino
Electrical Engineering
I. E. E. E.; ISA 3, 4; Intramural Soccer, Softball 1, 2, 3, 4.
William G. Saulenas
Mechanical Engineering
ASME; Cooperative Education; Phi Eta Sigma; Pi Tau Sigma; Intramural Football 2, 4; Track 3; Outing Club.
John Sauer, Jr.
Mechanical Engineering
ASME; 10 Fathoms Club; Intramural Football.
Thomas D. Scelba
Architecture
AIIA; Phi Eta Sigma 2, 3, 4, 5; Coloring Book Room/Interior’s Mag 3, 4; Mind Child Architecture — N. Y. Times 4; Reggae Band; Peer Counselor 2, 3.
Bruce J. Schaffhauser
Mechanical Engineering
ASME; Pi Tau Sigma.
Paul Joseph Schall
Mechanical Engineering
ASMF; SCJ; WJTB 1, 2, 3, record library 4; Intramural Softball.
Raymond Shen
Mechanical Engineering
ASME; Pi Tau Sigma; CSA, vice-pres.; Running, Basketball; Fencing Team, co-captain.
Kurt H. Schmitt
Architecture
Phi Eta Sigma 1, 2, 3, 4, 5; Sphere 2.

Class of 1981; page forty-six
René J. Schneider
Civil Engineering
ASCE 2, 3, 4; Senate, CE Rep. 4; Centennial Affair, chmn; Judo Team, capt. 1, 2, 3, 4; MVP Judo Team; Judo Club, pres. 1, 2, 3, 4; Olympic Judo Development Center; Theatre Production Tech Crew 2, 3, 4.

Richard M. Schroedl
Chemical Engineering
AIChE 3, 4; Ski Club 2, treas. 3, pres. 4; SAC 3, 4.

Glennville Alfonso Scott
Mechanical Engineering
ASME; Caribso, Aviation Club.

Thomas J. Scott
Mechanical Engineering
ASME; Phi Eta Sigma; Pi Tau Sigma.

Brian Searls
Industrial Engineering
AIIE; Vector, sports ed. 4; Sigma Pi 1, 2, 3, 4, pledge master 3; Intramural Basketball 3, 4; Rifle Team 1, 2.

Dave A. Seliga
Industrial Engineering
AIIE; Intramural Basketball; Tennis Team 3, 4.

Dale Serventi
Architecture
Michael L. Sheehan
Civil Engineering
ASCE 3, 4; Chi Epsilon; Tau Beta Pi; Kappa Xi Kappa.

Ziad E. Shehady
Electrical Engineering
I. E. E. E.; Swimming; Soccer; Arabics Association.

Peter J. Sibilski
Chemical Engineering
AIChE 2, 3, 4; Tau Kappa Epsilon 2, 3, 4; Intramural Water Polo 2, 3, 4.

William James Siegrist
Civil Engineering
ASCE; SSCC; 10 Fathoms Club; Intramural Football 1, 2, 3, 4; Softball 1, 2, 3, 4.

Gustavo Videira Da Silva
Civil Engineering
ASCE 2, 3, 4, sec. 3; Phi Eta Sigma 1, 2, 3, 4; Chi Epsilon 2, 3, 4; Senate Rep. 1; SAC 1, 2, 3, 4.

David M. Smith
Chemical Engineering
ACS 2; AIChE 2, 3, 4, treas. 3; Tiernan Express 3; Baseball 1; Intramural Softball 2, 3.

Kathy A. Smith
Chemical Engineering
AIChE

Kenneth J. Smith
Mechanical Engineering
ASME 3, 4; SAE 3, 4; Pi Tau Sigma 3, 4.

William F. Smith
Electrical Engineering
I. E. E. E.; Tau Beta Pi; Eta Kappa Nu; Intramural Soccer, Football, and Softball.

Frank J. Stanski III
CIS

Robert A. Stantley
CIS
ACM

Robert G. Staufenberger
Architecture

Richard E. St. John
Electrical Engineering
I. E. E. E. 3, 4; Intramural Deck Hockey 1, 2, 3, 4.

Thomas P. Stoll
Mechanical Engineering
ASME; Pi Tau Sigma 3, 4; Tau Beta Pi 3, 4.

Paul R. Sullivan
Civil Engineering
ASCE 3, 4; Soccer Team 1, 2, 3, 4; Intramural 2, 3, 4; Indoor Soccer 2, 3.

Victor Sun
Mechanical Engineering
ASME 4.

Anthony F. Suppa
Environmental Engineering Technology
SCJ; SET 3, 4; Tau Alpha Pi 3, 4, vice-pres.; Vector, Arts 3, 4.

Alice A. Swyntuch
CIS
ACM 2, 3, 4, sec., tres.; Intramural Volleyball.

Timothy Raymond Tarantino
Electrical Engineering
I. E. E. E.; Senator 5; Miniversity 2, 3, 5, director 4; Student Senate Concert Committee, chmn 4, 5; Yearbook 5; SAC 4, 5; WJTB 1; Intramural Volleyball, Softball 1, 2, 3, 4, 5.

Alan N. Trovato
Architecture

James R. Tengwall
Mechanical Engineer
A. S. M. E. 3, 4; Varsity Gymnastics 1, 2, co-captain 3.

Eugene P. Tesch
Mechanical Engineering Technology

Frank J. Thomas, Jr.
Engineering Technology
Milton A. Thomas
Chemical Engineering

Eugene T. Tkac
Computer Science
Mark E. Tkach
Chemical Engineering
A. I. C. H. E. 1, 2, 3, 4; Intramural Hockey, Soccer, Softball 2, 3; Ski Club 2, 3.

Lance F. Tkacs
Mechanical Engineering Technology
Melanie Joy Tlusty
Computer and Information Science
A. C. M. 4

Yvonne Arlene Torres
Mechanical Engineering
A. S. M. E.

Walter Traupmann
Chemical Engineering
A. I. C. H. E. 2, 3, 4; Tau Kappa Epsilon 2, 3, 4.

Frank M. Truilo
Architecture

Mark Tsvet
Electrical Engineering

Donald D. Turner
Architecture

Richard J. Tutela
Mechanical Engineering
A. S. M. E. 4

Scott D. Tylicke
Chemical Engineering

Romanus I. Umejionu
Electrical Engineering
I. E. E. 2, 3, 4.

Kouame Valentin
Chemical Engineering
AIChe 3; Intramural Soccer and Volleyball.

Migdalia T. Valdes
Industrial Engineering
AIIE 4.

David R. Valvano
Electrical Engineering Technology

Julius John Varga
BSIA

Tibor Nicholas Vari
CIS

ACM; Wargamers and Adventures 1, 2, 3, 4; Intramural Hockey 1, 2.

Christian Warren Wagner
Mechanical Engineering
ASME 2, 3, 4; Tau Kappa Epsilon 2, 3, 4; Intramural Soccer, Floor Hockey 3, 4.

Phyllis E. Waters

BSIA
Essex County Democratic Committee; Essex County Honor Society; Tennis.

George Patrick Watson
Chemical Engineering
AIChe 3, 4.

Scott Ira Weininger
Electrical Engineering
I. E. E. E.; ISA; SAC; 10 Fathoms Club; Wargames and Adventure Club; Pistol Team.

Edward David Wilchinsky Jr.
Manufacturing Engineering
AIIE 3, 4; SME 3, 4; SET 3, 4 pres.; Tau Alpha Pi 3, 4.

Janet Ann Wittmann
CIS

Timothy S. Wronka
DAY
Intramural Basketball 3.

George Xiques
Mechanical Engineering
ASME; Pi Tau Sigma; Outing Club; Intramural Basketball, Track, Field, Flag Football.

Joseph J. Zafian
Computer Science
AFROTC 1, 2, 3, 4; ROA 1, 2, 3, 4; AFA 3, 4; I. E. E. E.; ACM 4; Phi Eta Sigma 1, 2, 3, 4; Arnold Air Society 4 commander 3; class president 3; representative 3; Tau Delta Phi 2, 3, 4 historian 1; IFC Rep. 2; Treasurer 3; Nunchaku Club 4; Miniversity 3, 4; Intramural Flag Football, Soccer, Water Polo 1, 2, 3, 4, Wrestling 2; JV Soccer 1, 2.

James G. Zembrano
Mechanical Engineering
ASME

Patrick M. Zampetti
Architecture

Robert Evan Zampolin
Architecture

Josephine P. Zappia
Architecture

Steven W. Zelenenki
Man of Technology

Michael D. Zitman
Computer Science

Dorothy A. Zrebiec
Chemical Engineering
AICHE; Omicron Delta Kappa president 3, 4; Phi Eta Sigma secretary 1, 2 president 3, Sr. advisor 4; Tau Beta Pi recording secretary 3, 4; Omega Chi Epsilon 3, 4; Senate Representative 3, 4.

class of 1981; page forty-eight
Without the following people there would not have been a yearbook.

Patty Lamb
Hema Ramaswamy
Mary Ellen Deneka
Jim McGuinness
Hans Mooy

These people — friends all — have my deepest respect and admiration and this page is just a small gesture for their hard work and dedication.
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Jeff Smith
Warren Stroedecke
Tim Tarrantino
Ellen Vigilante
Congratulations
to
'81 nucleus staff
and
best wishes
to the
class of 1981
from
Gordon Lawshe
Sales Representative
Good Luck
to the
Class of '81

BEIM PHOTOGRAPHERS

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Irvington, New Jersey

373-9000
good luck
to the
class of 1981
from the
student senate
Welcome to The Alumni Association

We're eighteen thousand strong now, and we're glad to have you join us. The doors of the Alumni Center are open at all times, and the facilities and services of the Association are always available to you. Remember, The Alumni Association is your strongest link with NJIT.

We wish you the best of luck and a gratifying career in the years ahead. When you feel ready to share some of your success with the Institute, your contribution to the Annual Alumni Fund will support:

- scholarship programs and doctorate fellowships
- athletic awards
- the alumnus magazine and newsletter
- alumni-senior feedback sessions
- social competence programs
- guest lecturers and seminars and conferences
- research foundation and graduate program assistance
- scholastic recognition programs
- the alumni library collection

On the social side, we help keep you in touch with one another through reunions, group travel and sports events. We welcome your support.
The NUCLEUS of New Jersey Institute of Technology was published by the students of NJIT participating in the celebration of our centennial anniversary. A limited edition of 600 copies has been printed by the Delmar Company, Charlotte, North Carolina. The stock on which the book is printed is 80# Warren's Gloss Enamal for all 4-color pages with the remainder of the book printed on 80# Warren's Dull Enamal. A predominant type of Century Schoolbook body was used throughout. The cover was designed by Steven Derasmo. The photographs are the work of NJIT undergraduates. The senior portraits were taken by Beim Studios, Irvington, N.J.