"NJIT is becoming a highly technical institution."
Pres. S. Fenster
It's finally coming true. NJIT is blossoming into a "real" university. With new buildings springing up all around campus, NJIT now has physical boundaries marking off its territory in Newark. This past year we witnessed the ground-breaking ceremonies for two important additions, the Hazardous Substance Management Research Center and the InfoTech Center. While these two buildings are going up, architects are busily drafting plans for two more buildings which NJIT hopes to break ground on in the next year.

NJIT has moved into the future by modernizing its computer systems and updating departmental programs. The entire college is now completely computerized easing the pain of registration and recording of grades and finances. The demand for more campus room is due not only to the growth of existing programs, but also by the addition of another college. The colleges of Engineering, Architecture, Arts and Sciences are to be joined by a fourth, the proposed School of Industrial Management.
In non-academic areas of the Institute the ground rules are also changing rapidly. The growth of the undergraduate population has been steady while the graduate population has increased rapidly. The variety of student organizations is changing and increasing both in the number of new ones being formed and the movement towards participation. Athletic teams are becoming nationally recognized, with breakthroughs like the Women’s Volleyball Team receiving its first ECAC bid, and the first of many annual High Tech Classic Soccer Tournaments right here on Wasson field.

All these factors have contributed to the growth of NJIT as a top higher educational institution. As the saying goes, “We’ve come a long way baby,” and with a bright future ahead for NJIT, we’ll be going even further.

Page 5: Left: Newly laid wires for the scoreboard on Wasson Field. Above: NJIT students working on a fully automated drill press.
Though the variety of options offered to NJIT students through school organizations has changed over the years, the need for the “extra curricular” activity remains vital to balance the high academic pressure.

Clubs, sports teams, fraternities and social activities play a crucial part in maintaining our sanity while fostering lifetime friendships. Without the balance between social and academic, an NJIT student would either suffer a “brain drain” or flunk out. But if the delicate balance is handled well, the end result is success plus a great time!!!
Miniversity. That's where it all started. This year, the freshmen arrived early, anxiously awaiting the day's events. The Group Leaders, equipped with answers, blue T-shirts and smiling faces, helped to put them at ease. Between meeting in groups and going to the informative mini-courses, the freshmen had a chance to "hang out" with newly acquired friends.

But the big hit this year was PLAYFAIR, where everyone acted goofy and did outrageous things, under the direction of the leader. Students, and even spell-bound on-lookers, had a great time laughing at one another and at themselves. That's where the beginning of many memories at NJIT were formed, and as the day's slogan suggested, "The start of a successful program."
Left: Trust emerges at Miniversity due to some unique activities. Above: Justin, one of the group leaders.
Spirits walk
Ghosts and goblins, bloody monsters, green-haired witches, fun-loving nuns and sexy French maids all walked the campus of NJIT and down King Boulevard. The Halloween Mixer in the Center and the Frat parties were the highlights this year, with fantastic special effects chilling those who dared to be out.

Loud music, dancing and socializing were the major activities that night, with the mixer adding competitions for cash prizes for the best costumes. But the majority of disguised guests were headed for the frats, and that’s where the most creative costumes were found, and where the merry-making began.
Breaking away
Steamboat Springs, Colorado was the place to be during winter recess if you were looking for snow, 'cause that's what came down - without any letup for the entire week long trip. It fell continuously on the slopes, creating a nice blanket of powder for the novice skier to fall down in, the intermediate to wade through, and the expert to gracefully track. The fun began on the slopes, continued into the jacuzzi's, where aching muscles were soaking, and lasted into the wee hours of the night, where all signs of fatigue were cast aside to party 'til they dropped. What a trip!
Graduate

As the enrollment of graduate students increased, so did the desire to become an active force in the NJIT community. The Graduate Student Association sponsored a variety of activities scheduled to help create a social life not only for graduate students, but for the entire NJIT community. They have hosted a number of functions, specifically Chinese Night and International Day, as well as initiating talent and art shows and unforgettable trips. Graduate students also played an important role in the success of World Week, through their participation in the various events and in the entertainment during the week.
Students
"Women, you can’t live with them, and you can’t live without them." At NJIT regardless of members, (which increased to 17%) women are holding the reigns of power in student government and organizations. Women have become a force to be reckoned with on campus because they hold prestigious positions such as Student Senate President, Senior Class President, Miniversity Coordinators and Nucleus Editor-In-Chief. They are quickly gaining recognition as very capable co-workers and administrators, both in colleges and in the work force. Women are no longer “Just a pretty Face”, but an equal partners in the NJIT experience.
Valentine's Day is a day that some people look forward to and others cringe at the thought of. Made popular by greeting card companies and florists, Valentine's Day is becoming a special event at NJIT. It's that special day when lovers can be seen speaking unspoken words through their tender gestures of hand-holding and soft kisses.

For the first time, the Residence Halls organized and hosted a Valentine's Day Dinner, held in what normally is the Pub. The room was transformed that night into a truly romantic setting, with candlelight, fresh flowers, and music playing softly in the background. They created a night that was enjoyed by all who attended, and hopefully will become an annual event.
Hearts
The two plays this past year gave NJIT a bit of drama mixed with humor. "Godspell", which took place in the fall semester, gave students a chance to see some of their peers outside of the academic environment.

With some new faces joining basically the same cast, the Theatre company of NJIT presented its community with yet another successful play, "Gershwin's Elegant Evening" in the spring semester.

The students are responsible for the success of the plays through the long hours spent on organizing and practicing the performances. But it is all worth it once the applause is heard.
The picnic has become an annual event which occurred this year during spring week. NJIT students participated in a variety of events and activities, such as the traditional carburning, the Greek Olympics, and the ever-popular Simon-Sez. Clubs use this time to promote their organizations in the hope of gaining more members. The picnic began the three days of merriment that followed.
Breaking in

a new

tradition

World Week was a successful experiment in human relations coordinated by students, faculty and staff. Held in the spring, it's goal was to promote cultural sensitivity and awareness among students.

Activities such as Hands Across NJIT, guest speakers, and an Art Exhibit drew students to the campus green. Dance exhibitions and the ever popular food fair gave observers a taste of the many cultures that make up the diversified school population. For a short time at least, NJIT became the world in miniature.
“Nothing is more important than Friendship; not Fame, not Money, not Death.” Two people have passed away this year, Dr. John Craig and Theresa Benincase, who played key roles in NJIT’s community and will be greatly missed.

Professor John Craig of the Civil Engineering Department died on May 12, 1988, but not without giving NJIT the best he had to offer. His contributions to his field of Engineering, as well as his commitment to the students here helped to further NJIT in both academic standings and extracurricular activities. Dr. Craig, 45, was honored by being the recipient of NJIT’s Foundation Overseers Public and Institute Service Award, which recognizes outstanding contributions to the university and public.

Theresa Benincase, affectionately known as “The Broom Lady on Warren street” passed away on March 6, 1988. Although her contributions differ greatly from those of Dr. Craig, she too played an important role here at NJIT. Her commitment to maintaining the area around school and her concern for the local environment, touched us all. Though not a civil servant, she did play the role of groundskeeper, sanitary engineer and friend.
Faculty

From the adjunct professors to the President, NJIT boasts a staff of instructors and administrators dedicated to the institute and its students. The instructors' accomplishments are many, including awards, research grants and published works. NJIT continues to add more distinguished faculty to its ranks. The university is breaking ground in its extensive research of hazardous waste disposal and innovative work on the "factory of the future". The faculty at NJIT continues to be in the forefront of science and technology.
The President

Left: Dr. Saul Fenster, President.
Right: Dr. Fenster showing the new campus layout of NJIT.
It gives me great pleasure to offer my congratulations to this year's graduates. The class of 1988 has watched this campus grow and change in a truly exciting way. The theme of your yearbook, "Breaking Ground" is indicative of your awareness of those many changes. It is particularly appropriate at this time in the university's history.

As you walk the campus, the signs of physical growth are apparent. During your years here you witnessed the opening of Residence Hall II, major renovations in Cullimore Hall to handle the expansion of the College of Science and Liberal Arts, as well as major renovations within Campbell, Colton, and Weston Halls and the Hazell Center. In the past year, we began construction on two major new facilities: the Hazardous Substance Management Research Center and the Information Technologies Building. These two facilities together will add 215,000 square feet to our physical structures. More importantly, they will provide the space to support research and instruction in several areas of critical importance not only to the university, but to the state and nation. Construction also began in 1988 on the Microelectronics Center which is being built as an addition to the Electrical Engineering Building. And, in 1988, the Board of Trustees gave their approval to a concept document for a Residential Life Complex, which will provide much needed housing.

The signs of academic development are equally evident. Among the new undergraduate degree programs added over the last several years are Applied Physics, Statistics and Actuarial Science and Manufacturing Engineering. In addition, the Honor Program and Faculty Scholars Program were established and the Coop Education program was expanded, offering students three innovative new options. We are well on our way to establishing a fourth college, the School of Industrial Management. This will enable us to strengthen our management programs and will make the university more attractive to students and the corporate sector.

The university's most recent initiatives in innovative programming are the result of agreements of international cooperation with three universities in China and Korea. The agreements, which I signed along with the presidents of Beijing Polytechnic University and Wuhan University of Technology in China and Hanyang University in Korea last summer, call for the exchange of students and faculty for teaching purposes and to conduct seminars, research, and other scholarly programs. In addition, this fall, the university entered into a joint partnership agreement for research and development in computer mediated communications with the Jutland Institute of Technology in Denmark.

Our efforts to become a computing intensive campus have profoundly affected your education at NJIT. This year we took our program of providing microcomputers to full-time, first-time freshmen one step further, and required our students to assemble their computers from university supplied parts. They now have computers which carry the NJIT logo. And thanks to a large software donation, we are about to become the first university in the nation to provide every undergraduate student with a state-of-the-art Computer-Aided-Design package.

The success of any university is measured by the success of its graduates. The growth and development of the university during your time here should enable you to enter the next phase of your life well prepared to meet the personal and professional challenges which you are sure to face. The academic, social and professional contributions many of you have made during your time at NJIT make us very proud, but perhaps more importantly, they enable us to better serve future generations of students.

Graduation is truly an exciting time in one's life. I share your happiness and sense of accomplishment as you complete your studies and move on. I am confident that the challenges you will face in the years to come will be met confidently and successfully. May your years at NJIT and the education you received here serve you well, and may you find success and happiness in your future endeavors.

Saul K. Fenster
President
Vice President

Dr. Gary Thomas, V.P. of Academic Affairs.
As Chief Academic Officers of the University, the V.P.'s of the University have responsibilities in the areas of Academic Affairs, Development, and Budget & Finance. These responsibilities include academic planning, resource allocation, the areas of research, Dean of Students office, Admission, Registrars, Financial Aid, Computer Services, Library, Continuing Education, and others.

Top: Arlene Gilbert, V.P. of Development.
Bottom: Henry Mauermeyer, V.P. of Budget and Finance.
Dean of Schools

Left: Dr. George Pincus, Dean of Newark College of Engineering.
Top: Dr. Dorothy Levy, Dean of College of Science and Liberal Arts.
Bottom: Mr. Sanford Greenfield, Dean of School of Architecture.
Top Left: Dr. Judy Valyo, Acting Dean of Students.
Top Right: Dean Ray Boxer, Associate Dean of Students.
Bottom Left: Mary-Pat McAllister, Assistant to Dean of Students.
Bottom Right: Maureen Furlong-Weber, Assistant to Dean of Students.

Dean of Students
The Counseling Center is close to student life at NJIT. As the University adds new programs and broadens horizons, the Center directs its efforts to helping students, both new and experienced, adjust to change and growth. Support programs for newly arrived international students, for evening students, and for students in need of specialized educational opportunities have been initiated. Traditional programs, including Stop-In Center peer counseling and self-improvement workshops, focused on procrastination and test anxiety, respond to the additional stresses associated with large-scale expansion and development. The human factor is not to be neglected as NJIT moves toward the 21st Century.
The Hazell Center is the place for a wide variety of events, including art exhibits, films, concerts, recreation, and entertainment. The staff of the Hazell Center provide information about the campus and community events, public transportation and ID cards.

Top Left (L to R): Rhonda Van Antwerp, Building Manager; Jodie Cottrell, Associate Director of Student Development and Facilities.
Top Right: Robert Moran, Associate Director of Student Activities.
Bottom (L to R): Gloria Phipps, Reservationist; Bill Redd, Recreational Director; Dottie Wright, Office Staff.
The Placement Office is designed to assist students and alumni who are seeking or wish to obtain advice about employment. Among the services offered are: providing extensive information and counseling concerning career planning, job opportunities, employer characteristics, and employment trends. It is the function of the placement office to help students achieve career goals consistent with their interests, initiative, and ability.

Front: John Schmidt, Director of Placement. Back (L to R): Sandy Schocket, Assistant Director of Placement; Larry Young, Assistant Director of Placement.
The Office of Health Care is responsible for providing health services for the NJIT community. Both on- and off-campus physician consultations are available.

The Office of Residence Life provides on-campus housing for undergraduate and graduate students. The two resident halls on campus are staffed by professional and student resident assistants.

Top Left: Sharon Bosay, Coordinate Health Service.
Top Right: Bob Lazar, Staff EMT.
Bottom Left: Ralph Choono, Director of Residence Life.
Bottom Right: Kevin Hughes, Assistant Director of Surveying RH II.
The Department of Aerospace Studies offers an Air Force Reserve Officer Training Corps. program for any NJIT student. Upon graduating, a student in this program will be granted a commission as a second Lieutenant in the United States Air Force. Prospective students take Aerospace Studies courses along with their selected curriculum to prepare themselves for their responsibilities as officers. The Air Force requires four to seven years of active duty depending upon the selected specialty.
The School of Architecture seeks to educate students to assume position of responsibility and leadership in the architectural profession and in developing areas of opportunity in technology and community design related to the discipline of Architecture. An emphasis on studio design in the curriculum is reinforced by courses in history, building science and social concerns. The School of Architecture is at the forefront in using computers in the design studio. The General Design System of McDonnell Douglas is in use along with IBM AT’s and Compaqs using Autocad, Megacad, and Versacad Software. The use of the computer in studio design brings an increased understanding of traditional and current design concepts.

Chemical Engineering involves the design and operation of plants which produce chemicals, including plastics, textile fibers, and pharmaceuticals. The chemical engineering curriculum is designed to give the students a thorough background in the fundamental sciences and in engineering subjects. The faculty of this department prepare the students for a professional career in chemical in three related fields: Chemical Engineering, Chemistry, and Environmental Science.
Civil Engineering is concerned with the planning, design, and construction phases of an engineering project, including energy, environmental, and economic considerations. It involves dealing with people and cities, producing clean air and water, providing for the disposal of wastes, and developing efficient transportation, housing, and water systems. The Department of Civil Engineering also offers a variety of elective courses through which the students can specialize in such areas as urban planning and urban systems, surveying, Civil, Environmental, Transportation, Structural, Foundation, or Construction Engineering.

Civil Engineering
The Department of Computer and Information Science prepares students for a wide variety of careers in the rapidly growing field of computer and information science. Along with the relocation to the new Information Technology Building, approval of the Ph.D. in Computer Science Program opened the door for the superior graduate student with a baccalaureate or master’s degree who wishes to engage in advanced study and research. Also the acquisition of state-of-the-art equipment supports research in areas such as Knowledge-Based Systems, Distributed Databases and Software Engineering.
The curriculum of the department of Electrical Engineering consists of a demanding foundation of fundamentals of electrical circuits and components, followed by an array of courses leading to specialization in communications, computers, controls, biomedical instrumentation or power. Along with the academic improvements, four specialty centers were established: the State-Sponsored Chair in Microelectronics, the Foundation Chair in Optoelectrics and Solid-State Circuits, the Center for Communications and Signal Processing, and the Center for Microwave and Lightwave Engineering. The Drexler Thin-Film Laboratory, established several years ago, continues its ascent toward international recognition.
The main work of the Humanities Department is the teaching of courses in Literature, History, Philosophy, and the Arts, which form part of the General University Requirements. The Department also teaches Technical Writing, Debate, and Journalism; and provide freshmen English courses at several levels - honors, regular, remedial, and English as a Second Language - along with tutoring for students who need it.

New developments in the Department are: 1) the establishment of a joint program with the Rutgers Newark in Science, Technology, and Society (formerly Man and Technology); 2) the probable introduction, next year, of Humanities Minors; 3) a proposed joint program with Rutgers in Theatre, Film, and Television studies.

Although the Department of Industrial and Management Engineering is one of the smallest degree granting department, it has been one of the largest graduate programs at NJIT. The undergraduate degree program has been meeting the growing needs of industry as they have immerged into the "high tech" areas. The masters degrees in Management Engineering and Industrial Engineering have grown in size and reputation. A new program leading to the masters degree in Safety Engineering has been started to meet the growing needs of industrial safety.


Industrial Engineering
The Department of Mathematics prepares the NJIT students with their mathematics and communication skills. A new B.S. Program in Applied Mathematics has been developed and should receive state approval by January 1988. New facilities include a Sun workstations computer laboratory, and the new Center for Nonlinear Science and Mathematical Computation which now serves as a focus for the rapidly expanding research activities of the Department.

Mechanical Engineering is concerned with the design, development, manufacture, and operation of a wide variety of energy conversion, and machine systems. Mechanical engineers employ their knowledge of materials, systems design and control. Mechanical engineers are also involved in developing conventional and alternate energy sources, including fossil fuel, geothermal, wind, tide, solar, hydroelectric, nuclear power generation systems, and solar energy, in response to our national energy needs.
The Department of Organizational and Social Sciences and the imminent creation of the Institute's new School of Industrial Management will foster an unprecedented opportunity for advances in contemporary forms of management education. At the same time that the OSS Department and the new School assume leadership roles in the education of management majors, they will offer the latest in leadership qualities for all students here at NJIT.
The Department of Physics is designed to give students a broad background in physics while at the same time relating this background to the majors the students are in. Students are taught concepts in electricity, magnetism, mechanics, optics, sound, and other areas so that they have a solid foundation on which to build the understanding of more involved concepts.
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Clubs And Organizations

Organizations at NJIT provide a bridge between cultural, educational and recreational events for the entire student body. There are even organizations geared toward providing moral support along with counseling and tutoring. The campus organizations strive to enhance campus life by giving students a place to unwind and relax. The students can be themselves and enjoy the company of friends with similar interests. None of this can be accomplished without the active, responsible people in charge of running these organizations. Without their dedication the campus life would not be able to live up to the excellence for which it has been known.
The yearbook may not be the most visible of all of the organizations on campus, but it is the one which provides memories which will last a lifetime. The task of the yearbook editors is to capture the heart, Nucleus, of the academic year as accurately and completely as possible. They provide the students and faculty with a lasting memory of the year's events and the people who made them possible.

The yearbook contains something for everyone, from sporting events to academics, and it is comprised of the student body, for the student body.
The New Jersey Institute of Technology Student Senate is charged by its constitution to "stimulate student activities and promote student participation in the affairs of the institute . . . act as a liaison between students, faculty, and administration and to remain attentive and responsive to individuals." This is accomplished with a strong council who can coordinate and promote the desires and interests of the student body as a whole to the administration and to get the appropriate solutions. The Senate allows for direct student-administration contact through the many forums held throughout the year. It also provides the NJIT community with their annual picnic, dance and many other enjoyable services.
The Vector plays an important part on the NJIT campus. The staff members cover the school news which is of general interest to the NJIT community; express the opinions of students regarding such news, research special features, and sift through hundreds of press releases from around the country for special stories. This weekly publication of about 12 pages provides vital information, surveys, polls and a special, annual April Fools Day paper.
SAC, the major programming organization on campus, provides social, cultural and recreational activities for the busy N.J.I.T. student.

Although SAC continuously updates its selection of programs, the never-ending Tuesday Movies and Thursday Novelties continue to draw standing only audiences. This year "Spankys" a very successful non-alcoholic comedy and dance club was introduced to meet the demands of a large number of students under the age of 21.

The Trips Program continues to be a "SOLD OUT" attraction, even though the number of trips has been increased.

Thanks for the great diversions.

Student Activities Council
Hellenic Club

The Hellenic “Euclides” Club’s main purpose is to assist incoming Greek students in the assimilation process within the NJIT community. This is achieved through promotion of Greek and international cooperation between the school’s many cultural clubs. The Hellenic Club organizes events promoting Greek culture and tradition such as traditional Greek Cuisine, music, dance, Greek Night and food and bake sales.
Micro Users Group

MUG is the organization on campus that is focused around computers. They are a group of students and faculty members who meet regularly to familiarize themselves and the NJIT community with the various problems concerning the computers and software out on the market today. They provide up to date information on the latest in computers and they also sell disks at discounted prices in order to help the students and faculty in the best possible way.
Black Association of Student Engineers

BASE is a unique organization for the black students of NJIT. BASE works under the primary purpose of strengthening the relationship of black students with NJIT, and to initiate the complete support to those communities, associations, and individuals who are promoting efforts toward a black renaissance. BASE hosts very distinguished speakers for Black history month, a lip sync contest and scholarships for Newark Public school seniors who plan to attend NJIT.
Caribso

The Caribbean Student Organization is an organization whose primary goal is to provide an atmosphere where English speaking students can develop an educational, cultural and social environment conducive to survival on campus and in the working world. Caribso promotes activities such as counseling services, career planning, and social events such as an annual Caribbean night, cultural week and an alumni banquet.
Chinese Student Association

The Chinese Student Association is dedicated to promoting an understanding of Chinese culture among the NJIT community, and helping Chinese foreign students to adjust to their environment. CSA was established primarily to organize functions for the Chinese students. This provides a means of social gathering between the students. Besides acting as a bridge for cultural exchange with other clubs, new students are able to meet new friends through the many activities such as; the Chinese New Year party, Chinese Culture Day, and a food sale.
Hispanic Organization of Students in Technology

HOST is geared towards motivating the Hispanic Students on campus to retain their technological interests; aiding in development of the students' professionalism; helping the students to adjust to this multi-cultural society by interacting with other organizations or distinct cultural background; and sponsoring professional, cultural, social and recreational activities, that bring into focus the culture, language and customs of Hispanics. Some of HOST's many activities include; Puerto Rican Heritage Month, many "multi-cultural" parties and Latin Week.
The Pub

The Pub is one of the most popular places for students, staff and faculty to go on the NJIT campus. Along with the great food, the pub is a place to sit back and relax and to unwind with a variety of foods and beverages throughout the course of the day. The staff always provides a friendly atmosphere and is ready to serve you to the best of their ability. If you want good food, meet friendly people, and enjoy the fun “Pub nights” the Pub provides this and more.
The Stop-In Center provides information and assistance to students about all aspects of their lives at NJIT. It is staffed by fellow students who are ready to talk with you about any problem or concerns, whether academic, career or personal. In addition, peer counselors will answer questions and distribute printed materials about many topics including transportation, planned parenthood, legal services, and graduate school, NJIT policies and procedures. The Stop-In Center staff always has a smile and a cheerful way of dealing with any problem that is brought to their attention.
Honor/Professional Societies

Honor societies as well as professional societies are very vital to the NJIT students. These societies provide a link between the students and the professionals. Frequent visits to development projects provide the students with actual examples and give them a chance to observe the daily routine of the careers they are pursuing. Not only are these societies geared toward the profession outside of school, but they also provide a crucial link to the faculty in the departments by holding feedback sessions which gives the students a better understanding of their college curriculum. The honor and professional societies recognize the academic abilities, leadership and involvement of excelling students. These organizations give NJIT students something to work for and a sense of accomplishment as well as satisfaction which will carry over into their professional careers.
The ASCE student chapter is more than just another line on a resume. Through the chapter, students become exposed to experienced professionals in the civil engineering field. The chapter provides a strong student-faculty relationship which helps make NJIT’s Civil Engineering Department one of the best in the country. ASCE holds biweekly meetings where guest speakers from industry lecture. ASCE also sponsors the annual “concrete canoe” race, host a variety of field trips, and community service projects.
American Society of Mechanical Engineers

The ASME is one of the oldest and most established societies on campus. The primary purpose of the society is to advance the profession of mechanical engineering to the students and professionals in order to provide interaction between the two groups. The members are active at all levels of business, industry, education and government. For their involvement, members are chosen to receive cash awards given by the society. The officers are active in initiating and the running of the student society activities and making the organization a success.
The Institute of Industrial Engineers is an integral part of the development of industrial engineering students. IIE provides many opportunities for industrial engineering students to learn more about the roles of their professions throughout the U.S.A. IIE helps to initiate contacts between the industrial engineering students and the local industry. Along with helping and working with the faculty, IIE also assists the Industrial Engineering department in organizing Octoberfest, and their seminar series.
The AIChE is the professional organization for chemical engineers. This very active student chapter at NJIT gives students an opportunity to interact with faculty other students, and members of industry on a professional level. Monthly meetings are held with various speakers from industry, in addition to plant trips to chemical facilities located in the area. AIChE holds social events throughout the year, notably a Christmas party, spring picnic and an awards banquet. The monthly publication, "The Tiernan Express" contains numerous articles and humor written by the officers and members. The NJIT chapter has won an unprecedented 17 consecutive outstanding chapter awards, the most in the country. This year's chapter hosted the National Convention in New York City.
The Tau Beta Pi National Engineering Honor Society was established in 1885 by Dr. Edward H. Williams Jr. expressly for engineering students. The main aim of TBP is "to mark in a fitting manner those who have conferred honor upon their Alma Mater by distinguished scholarship and exemplary character as undergraduates in engineering, or by their attainments as alumni in the field of engineering and to foster a spirit of liberal culture in engineering colleges.

TBP is open to engineering juniors and seniors who are in the top eighth and top fifth of their class respectively. At NJIT, this means that a student with a GPA of about 3.5 is eligible for membership. Engineering graduate students, alumni and faculty members may also apply for membership.
Chi Epsilon is the national civil engineering honor society. It is dedicated to the purpose of maintaining and promoting the status of civil engineering as an ideal profession. XE was organized to recognize the characteristics of the individual Civil Engineer deemed to be fundamental to the successful pursuit of an engineering career, and to aid in the development of those characteristics in the Civil Engineering student. In addition to the biweekly meetings, XE sponsors trips, pledge initiations, student-faculty Christmas party, EIT book sale, student-faculty volleyball games and, most important, a tutoring service for civil engineering students.
Arnold Air Society

The Arnold Air Society is the AFROTC on the NJIT campus. The members are known for their high academic standards along with their refined discipline. Arnold Air gives worthy students the opportunity to learn and grow while they pursue the active responsibilities of the AFROTC program.
A major goal of NJIT GREEKS this year has been to dispel the myths and bad publicity recently attributed to all GREEKS as a result of the unfortunate incidents which occurred within GREEK organizations at other campuses. By emphasizing the many facets that compose a GREEK organization and noting the achievements made by the GREEK population, members have striven to give their community a true representation of GREEK life.
Members of the GREEK lettered organizations have managed to comprise quite a list of accomplishments this year. GREEKS donated record breaking quantities at both of the IFSC bi-annual blood drives. These same groups joined forces in February to contribute over 700 hours, collecting more than $80,000 in pledges, during the Alumni Center's Phon-A-Thon. Individually, the GREEK groups committed themselves to community and social service for the benefit of the Children's Diabetes Fund, March of Dimes, Newark Literacy and Urban Renewal programs, Play Units for the Severly Handicapped, Special Olympics, and Toys for Tots, to name a few.

GREEKS also contributed their time and efforts to many campus events, of which some were sponsored and co-sponsored by the Inter Fraternity/Sorority Council (IFSC). In fact, most students affairs were influenced, planned, and executed by leaders and members of the Student Senate, Activities Council, Student Publications Council, Residence Life staff, and professional and cultural organizations who are members of the GREEK body. Also, GREEKS exerted their energies on the field and court as intramural and varsity team players, some of which were MVP's for their sport.

Academically, GREEKS fared as well as in other aspects of campus life. Half of the Estrin scholars and a few Pub scholars named this year belonged to a fraternity or sorority. GREEKS also constituted a substantial number of institute scholars, members of NJIT honor societies and Dean's list, and NJIT listings in the Who's Who.

NJIT GREEKS, however, did not forget how to make a good time. As in previous years, GREEK parties provided a majority of the social life found on campus. Besides the traditional parties, GREEKS enjoyed inventing a few new methods and reasons for celebrating, as well as a few new recipes for RUSH luncheons.
The Inter Fraternity/Sorority Council, advised by Fr. Ron Marczewski, serves as the representative and governing body of 15 independent GREEK organizations. Comprised of nearly 500 students, the IFSC boasts of being the most culturally, ethnically, and racially diverse group on campus. The council functions as an intermediary among the GREEK body, community, institute personnel, and other student groups. This year, the IFSC was successful in adopting a new set of guidelines for fraternity parties, as well as policies to clarify the role of fraternity, community, and institute in terms of security for the nearly 200 students living off campus in fraternity houses. Additionally, the IFSC planned and promoted a host of GREEK activities, including community and institute service projects, athletic activities, RUSH and other social events. Fall semester witnessed such IFSC sponsored events as Alpha Sigma Tau/Alpha Sigma Phi's annual see-saw marathon, Phi Beta Sigma's Blue and White day, the Thanksgiving blood drive, GREEK Talent shows, and football games. In the Spring, GREEKS kept busy with the GREEKS Against Drugs campaign, Phon-A-Thon, bowling, basketball, softball, part two of the bi-annual blood drives, and the GREEK Olympics and Carnival for charity.
The Beta Upsilon chapter of Alpha Sigma Tau is the first and only national sorority at NJIT. Sisters of Alpha Sigma Tau take pride in their involvement in an array of student organizations, honor and professional societies, the institute scholars program, residence life staff, and varsity athletics. This year, AST had the highest CUM and College Bowl ranking of all greek groups. Along with a number of service projects this year the Taus see-sawed to raise money for charity with Alpha Sigma Phi in their nearly famous annual see-saw marathon.
The Alpha Rho chapter of Alpha Sigma Phi has a lengthy but unusual history at NJIT that began in 1907 and finally came to rest with its re-charter in 1982. The brothers of Alpha Rho strongly believe in high academic standards, anti-hazing, and personal and campus involvement. This year Alpha Sig captured a first in the IFSC talent show, teetered for charity with the Taus in their annual see-saw marathon, sponsored a two band benefit, and celebrated not only with their traditional parties, but with their black and white semi-formal. Apart from Greek activities, brothers can be found in a number of other campus activities.
Though their background is that of an Italian heritage fraternity, Alpha Phi Delta extends its fraternal spirit to all. Founded at NCE in 1952, the Beta Xi chapter has been located for 12 years in their present house, which they have recently purchased and renovated. Aside from pig roast, golf, and casino parties, APD can brag of many noteworthy accomplishments. These include the induction of the first national president from Beta Xi, third overall in the greek olympics, and 15 new brothers.
With an active brotherhood of 29 men, the Epsilon Psi chapter of Theta Chi is literally expanding the horizons of the Newark inter fraternity/sorority system. The brothers of Theta Chi are proud to announce their latest acquisition and future home, a former Newark fire house of three stories located on King Blvd. At the target date of completion, Fall 1988, Epsilon Psi will stand tall as Theta Chi's largest chapter house in the state. Socially, the brothers are concerned with health and safety issues and have implemented a program to C.P.R. certify all their members. Additionally, several members set record breaking pledge amounts at Phon-A-Thon.
After some trouble in the beginning, the brothers of Iota Kappa Phi managed to make quite a comeback this year. Inducting 20 new members in recent semesters, their brotherhood is expanding more rapidly than ever. In fact, Iota Kappa Phi brothers constituted 50% of the IFSC officers this year. Iota Kap has kept busy with a number of social and community service projects, competitive volleyball matches, and notable parties, such as their Halloween bonfire.
Founded at NCE in 1964, Kappa Xi Kappa has witnessed nearly a quarter of a century of NJIT life. The home of Kappa the amazing frisbee-catching wonderdog is currently the only house located off fraternity row on nearby Sussex Ave. Their location, however, is only part of what makes Kappa Xi unique. Kappa Xi Kappa is a local fraternal organization that enjoys the liberty of choosing its own direction. When they are not cleaning up Newark, planning their hayride, ski trip, and Friday night, beach, and rules parties, the brothers are active participants in many IFSC events.
Lambda Theta Phi is one of two new fraternities on campus which was chartered to the Inter Fraternity/Sorority Council this year. Though their background and membership is mainly Hispanic, Lambda Theta Phi's welcome all groups into their fraternity. This year the Lambda brothers were concerned mainly with their own affairs, but in the future, hope to become more active in IFSC and campus-wide events.

LEFT TO RIGHT: (1) Kappa Xi Kappa (2) KAPPA the amazing frisbee catching wonderdog (3) Terry, Gerry, & Chris (4) GAZORCH!! (5) brothers of Lambda Theta Phi & friends relax during GREEK WEEK (6) what really knocked 'em out was your cheap sunglasses (7) the Sex Farm backup singers (8) Smokey's rendition of Mammee (9) Dino & Wacko of Kappa Xi's closeknit brotherhood
This year the IFSC welcomed Lambda Sigma Upsilon, Latino Fraternity Inc., as one of the newest members of its corps. Although, its membership is predominately Hispanic, LSU’s Pioneros chapter invites all who believe in the goals of developing fraternal bonds and sense of community, strengthening academic aspiration, promoting leadership, and enhancing cultural awareness. Though new, the Upsilon’s participated in a number of IFSC events, as well as institute service and community rehabilitation projects.
LEFT TO RIGHT. (1) Lambda Sigma Upsilon (2) Upsilon brothers play tight on D (3) the humble Pi Kap abode (4) Pi Kappa Phi's College Bowl team in action (5) Gino & Marina Flintstone with Rich (6) Knucklehead, Stohlman, & Pete practice for the Stooge's: Next Generation tryouts (7) Jerry Wangster & Jim Hate

Recently named one of 8 Grand Master Chapters by their national organization, the Beta Alpha chapter of Pi Kappa Phi is known for its immense and closeknit brotherhood. Since its inception in 1948, the Beta Alphas have been growing and going strong. Pi Kaps can be found participating in a number of campus organizations. In addition, they run extra curricular activities of their own, usually fundraisers to benefit Hay Units for the Severely Handicapped.
Brothers and alumni of the Alpha Mu chapter of Sigma Pi International celebrated their fraternity's 50th year on campus in February of this year. Over the 50 year stretch, Sigma Pi has produced quite a line of prestigious alumni, including 3 former college presidents, one of NASA's original astronauts, and several of NJIT's staff. The more than 30 active brothers have chalked up a number of accomplishments of their own, including highest GPA of all NJIT's fraternities, several scholarships, their own band, and service to the Newman Center and St. Michael's Hospital.
As has become the tradition at NJIT, the brothers of Tau Delta Phi proved to be a dominant force on the field and court this year. Tau Delt's were fatal opponents in varsity, intramural, and IFSC sports this year capturing first place in IFSC football and basketball, and second overall in the Greek Olympics. The chapter's social calendar was highlighted by their hawaiian party and annual Pyramid Ball.
The brothers of Tau Epsilon Phi strongly believe in friendship and hold close bonds with each other. Voted the best fraternity on campus, Tep enjoys extending its fraternal spirit with the NJIT community at parties, which the brothers hold frequently. With a brotherhood that is growing stronger, the men of Tep enjoy competing with other members of the IFSC in all organized sports.
Originally founded at NCE in 1943 as Phi Beta Tau, it was not until 1965 that Tau Kappa Epsilon was chartered here in Newark. Now in its 23rd year, the Kappa Eta chapter, voted most improved chapter, represents 40 active and 10 associate members, and includes over 300 alumni. As active participants in social and community service, the fraternity devotes its energies to needy causes as well as athletics and social events. The members of TKE value their studies as much as they do other activities. They believe the elements of love, charity, and esteem are essential to the strength of their brotherhood.
Tau Lambda Chi, founded at NJIT, is a local fraternity which concentrates on brotherhood. Though their brotherhood is now the largest it's ever been, the TAX men still pride themselves on unity and loyalty to one another. Tau Lambda Chi's are known for the many bashes they have throughout the semester. The brothers' interests range beyond the social scene to include several campus, community, and IFSC activities. Many brothers are involved in varsity athletics at NJIT. The men of TAX are formidable competitors scholastically as well.
NJIT's Xi Theta is only one of the more than 500 worldwide chapters of Phi Beta Sigma Fraternity, Inc. Since its inception in 1914, the Sigma's motto has been culture for service and service to humanity. This community-oriented organization sponsored such programs as the Newark Literacy Program, Blue and White Ribbon Day and a Black History Month celebration which included a show and exhibit of black art. Sigma's were also instrumental in founding a chapter of the National Business League on campus this year.

LEFT TO RIGHT: (1) Tau Lambda Chi (2) Bill & Tate find better use for those obstacle course mats (3) Kevin models the Sigma's new line of pledge garments (4) Phi Beta Sigma (5) Sigma men man the registration table (6) TAX is MAX (7) brothers of TAX enjoy a taste of their favorite vintage at club 299 (8) in memory of Bob Jakubowski
Greek
Gallery
Greek Gallery
Greek Gallery
NJTech provides the institute’s community with various programs of physical education, varsity athletics, intramurals, and recreation; programs through which students gain insight to benefit their pursuit of success.

Pride in NJTech flourished during the 1987-88 school year as sports competition thrived, and the Division of Physical Education and Athletics took major steps in executing its design for extensive advancement.

The future will see a continued elevation of athletics to support the overall achievement of NJTech’s arrival at "its place among the premier technological universities." The department has just begun breaking ground.
ATHLETICS TAKES ACTION

Keeping in stride with the expansion of the entire Institute, the Division of Physical Education and Athletics undertook measures to upgrade their department. Plans went into effect early in the year as the staff was expanded and the facilities improved.

Jim Catalano, who since 1979 has been tremendously successful as the NJTech men's basketball coach, was appointed Associate Director of Physical Education and Athletics, and full-time head basketball coach. The position was created in response to recommendations made by NJTech’s athletic task force and an external consultant. Among Jim’s responsibilities will be recruitment of student athletes and monitoring of their support services.

As Assistant in Athletics and Sports Information, Sadie Cummings joined the staff to assist Jim Catalano, primarily with coordinating home events. The Montclair State graduate is also an adjunct professor in the athletics department.

Marlene Perez was welcomed to the staff as Athletic Trainer, demonstrating special care and concern for all the Institute’s athletes. Marlene, previously the athletic trainer at St. Francis College in New York, does volunteer work for such sporting events as the New York Marathon and the Special Olympics. Marlene also lends a hand to Health Services when needed. Two NJIT students are employed to assist the trainer; juniors Yosira Rivera and Gerardo Rovelo work part time in the department helping Marlene and fellow student-athletes.

NJTech’s athletic facilities have been upgraded over the past year and plans are being made for future development. Included in this advancement was a complete modification of the weight and fitness areas coordinated by Athletic Supervisor Dave DeNure; and all the athletes were grateful for the addition of water fountains throughout the Entwisle Gymnasium. NJTech’s Wasson field now boasts a new scoreboard, pressbox, and public address system which were put into use during soccer games this past summer and fall. Further plans are being made for grandstands, additional lighting, and an artificial surface.

In addition to her administrative duties, Sadie Cummings helps students achieve better health and fitness through her classes in hydrofitness and aerobics.

Athletic Supervisor Dave DeNure continually updates the weight room and fitness center with advanced equipment. Students and faculty members use the facilities to keep in shape.

ABOVE: Sophomore Luis DeOliveira is among the Institute’s many student-athletes who have had injuries prevented or repaired by athletic trainer Marlene Perez (center) and her assistant Yosira Rivera (right). AT RIGHT: James Catalano, Sr. (left) and graduate assistant Vassilios Vassiliadis work the pressbox during a soccer victory on Wasson field. Graduate student Clairie Nicolaou enjoys a great view of the game.
On September 5, 1987 NJTech hosted a High Tech Classic soccer tournament sponsored by the National Community Bank of New Jersey. During the interim between the games the Institute recognized its conference championship teams of the 1986-87 season. President Saul Fenster, Athletic Director Mal Simon and Associate Director Paul Hausser congratulated athletes as Assistant Athletic Director Sharon Bosoy and the successful coaches presented their respective athletes with championship jackets. Honored were the members of the Soccer, Men's Basketball, Men's Tennis and Women's Volleyball teams.

School spirit spreads throughout the athletic competitions as faculty and students display their loyalty to NJTech. Participation in the NJTech sports programs provides a tremendous addition to the academic composition of student-athletes. Continuous building of the athletic department will raise NJTech to the highest possible level of quality in NCAA Division III competition.
"The tennis team moved one step closer to a winning season . . . things look bright for 1988 . . . "///Coach Moran

HIGH HOPES HALTED

The season began with high hopes for the Lady Highlanders as four players returned from last year's successful squad including 1986 MVP Alison Schwier. In two years the team has doubled in size introducing promising young athletes. Freshman Yi Ren Wang supported her team with outstanding play gaining honors being chosen 1987 Most Valuable Player as well as being selected to the All WIAC First team.

Robert Moran, Associate Director - Student Activities, has been the enthusiastic and dedicated coach of the women's tennis team since 1986 and the softball team since 1985. The 1987 squad consisted of juniors Jill Kim, Lisa Paszkowski, Wennie Fernandez, sophomores Alison Schwier (captain), Kartika Stroman, Griselda Moya, Marisol Riveria, and freshmen Yi Ren Wang, Elisa Fusco, and Sanjeannette Worley. Esteban Gomez, a junior Industrial Engineering student, was invaluable as the team's manager.

Echoing last year the team started out slow, but unfortunately were not able to finish as strong. Their first big win was an 8-1 victory over Upsala College lead by Yi Ren Wang. Yi Ren's four wins secured her the Vector's Athlete of the Week Award.

The squad lost the WIAC in a tough contest with Ramapo and ended the season with a disappointing 2-6 record (1-3 WIAC, 1-3 IAC). However, high hopes will carry over to the 1988 season as the entire squad will be returning. Coach Moran had these final words of optimism: "With a year of experience behind them, Wang, Fusco, and Worley should be ready to improve their records. I am looking to Kim, Schwier, and Paszkowski to provide the leadership and consistency a winning team needs."
THE CONTESTS
and the winner is . . .

Opponent       NJT-Opp

Yeshiva        0-9
Western        0-9
Connecticut    2-7
Stevens        4-5
NY Maritime     9-0
CSE            2-7
Upsala         8-1
Ramapo         2-7
NYU            0-9
Rutgers-Nwk    0-9
John Jay       7-2

Freshman Elisa Fusco showed promise during the 1987 season, with her gained knowledge and skill, a successful future with NJTech's tennis team is foreseen.
"The Soccer team had a modest year. Lack of finishing players and a high percentage of injuries prevented a second banner year . . . In general, the athletes were strong, dedicated, and well balanced. I wish T.J., the new coach, a career full of excitement, and the continuation of the success and tradition of Highlander soccer."///Coach Borja

HIGHER PROSPECTS DIMINISH SUCCESS

The NJTech soccer team began its 1987 season under a vigil of great expectations arising from their tremendous success in 1986. Captor of both the IAC and ECAC-Metro championship titles, NJTech approached their new season with a previous record of 13-5-2 and 24 returning athletes. Continued victory was inevitably anticipated.

The squad began with strong enthusiasm and finished with a successful 9-7-3 record; however, that was a disappointment considering their original ambitions. The team took second place in the IAC after losing their title to NY Poly.

There were individual members who invoked pride in their team and their school with outstanding performances. Seniors Jose Rego and Walt Szynalski, and sophomore Brian Cook were named to the IAC all star squad. Rego and Szynalski were also named to compete in the North-South game by the New Jersey College Soccer Association. Jose was additionally honored by being chosen for the All-State team.


Jose Rego of Newark was voted Most Valuable Player; Jeff McEntee of Flanders was given the Most Improved Player award; and Luis DeOliveira of Kearny was named Rookie of the Year.

The winning results of the 1986 season inspired anticipations of victory in 1987.

LEFT: Efrain with five of the team’s nine graduating seniors whom he will miss next year. (L-R) Standing: Forward Jose Rego, Defender Walt Szynalski, Coach Efrain Borja, Midfielder Rick DePrizio, Midfielder Jeff Kleine; and Foreground: Defender Abdulay Kalay. BELOW: Two time All Star Walt Szynalski, described as agile and quick, had two of ten goals in a shut out against IAC rival NY Maritime.
## The Contests

**Opponent** | **NJT-Opp**  
--- | ---  
Rutgers/Nwk | 3-0  
MIT | 1-1 OT  
RPI | 1-1 OT  
Rutgers City | 4-2 OT  
Vassar | 3-1  
Montclair State | 1-4  
Stevens Tech | 3-3 OT  
Wm. Paterson | 0-1  
West Conn. | 4-1  
Kean | 0-3  
SUNY/Stony Brk | 2-1  
Drew | 1-5  
N.Y. Maritime | 10-0  
Stockton | 2-3  
FDU/Madison | 7-0  
Scranton | 1-2  
Upsala | 2-1  
NY Poly | 0-1  
Yeshiva | 8-0  

**Members of the 1987 Soccer Team:**  

Tri-captains Jose Rego of Newark, Walt Szyrialski of Kearny, and Ricky DePrizio of Belleville. DePrizio's last year was marred by a broken wrist suffered in a match early in the season.
“One of our goals was to reach this (ECAC championship) tournament. Although the team was relatively small and inexperienced, they hustled all year long and came through with some clutch performances.”///Coach DeNure

ECAC BID CROWNS SEASON

The NJTech Women’s Volleyball Team got off to a great start by winning their first Suburban Invitational Tournament. The team started slow in the competition, but gradually showed their full flair. The entire team contributed to the victory with co-captain Liz Goldrick winning the tournament’s award for outstanding play and leadership.

Liz was the Vector’s Athlete of the Week after the tournament, being appropriately called by Coach DeNure the “spark plug” of the team’s early success. Liz, a junior Chemistry Engineering student, demonstrated her award winning talents throughout the entire season.

The Lady Highlanders, who lost six players from last season including three starters, dominated their conferences until losing their IAC title in a close match at Western Connecticut. Later in the season they fought hard to keep their WIAC title, but fell to the powerful hitting of Upsala College in an intense, emotional battle. The team took second place in both of their conferences.

The team’s greatest accomplishment, due to their outstanding final record of 22-8, was winning a bid in the post season ECAC Metropolitan New York - New Jersey NCAA Division III Playoffs. This was the first time the team had been invited to participate in this event and Coach DeNure and his team members were honored and excited. Last year the team had hoped for a bid with their record of 24-8 and two conference championships, but surprisingly were not included.

NJTech hosted this year’s tournament which included NJTech, New York University, Upsala College, and Baruch College. Unfortunately, the women had trouble getting back into the swing after having completed their regular season. The Lady Highlanders lost in the first round of competition to top seeded, and tournament champ, NYU. Regardless of the outcome the team felt it was a success to be asked to compete in the tournament after their disappointment in 1986. They have hopes of repeating their inclusion next year, but this time coming out on top.

During the season two other members of this talented team were chosen as the Vector’s Athlete of the Week. Co-captain and 1987 MVP Clairie Nicolaou was named after her all around superb play at the Highlanders Invitational Tournament. With her excellent serving in addition to her exceptional setting abilities, Clairie led her team to the semi-finals where the women, unfortunately, lost to tournament champs Hunter College.

Sophomore Gina Ochs received this honor for her consistent and solid play during the entire season. Gina’s powerful spiking and serving were a welcomed asset to the team. In the final match of the season, Gina had twelve serving aces against archrival Stevens Tech.

The team has been coached by Athletic Supervisor Dave DeNure since 1983. The former three time All-East player at East Stroudsburg University was a member of the USA National Volleyball Team, and National Sports Festival medalist.

The 1987 Lady Highlanders were: graduate student Clairie Nicolaou (co-captain); juniors Linda Fortier, Elizabeth Goldrick (co-captain), Sonia Zacher; sophomores Ursula Fukazawa, Felicia Mays, Gina Ochs, Patricia Pacheco, Joanie "Drew" Pratt, Gina Trucillo; and freshmen Jessica Brown, Janet Gonzalez, and Olga Marin. Close friendships were built amongst the Lady Highlanders: they really enjoyed being a team. Dave and the women were grateful to senior Tom Pitt who gave a great deal of his time assisting the team with scorekeeping and support. With the exception of Clairie, the entire time will return to improve their record in the fall of 1988.

Clairie Nicolaou received the 1987 Most Valuable Player award for her extraordinary skill in all aspects of the game of volleyball. She plays a very smart game and never gives up. A friend to every teammate, she demonstrated unsurpassed drive to lead her team to victory.
A native of Nicosia, Cyprus, Clairie played for the Greek National Team before coming to the United States to attend NJIT.
"Having lost our three top runners to graduation last year . . . spaces needed to be filled. I was pleasantly surprised as we were fortunate enough to have six new students . . . allowing us to successfully defend our IAC championship."///Coach McCloud

FRESHMAN LEADS THE WAY

The 1987 Cross Country team won the Independent Athletic Conference championship for the third year in a row with a squad consisting predominantly of underclassmen. Coach Henry McCloud expressed his delight over an enjoyable season headed by the noteworthy talent of Freshman Cesar Gaudin.

Gaudin earned the distinction of the MVP award as well as honors including All-NCAA Mideast, All-New Jersey, and All-Independent Athletic Conference. He set records in winning the IAC championship, the Drew Invitational, and the Ramapo Invitational titles. Victories were his in the Lebanon Valley and Kings invitational meets.

Joining Guadin in All-IAC status were teammates Radzee Zaman, John Grube, and Steven Jaskot.

"The highlight of the year was our Most Valuable Player . . . " boasts a proud Coach McCloud. Freshman Cesar Gaudin, according to McCloud, is of Division I caliber. Gaudin was an All-State performer in high school, and as a senior finished 2nd in a meet of champions, missing the winning time by one second.
Co-captains senior Hugo Ortega (left) and junior Paul Yurga enjoyed a successful season leading outstanding new talent.

"The women faced a lot of difficulties and disappointments . . . and they continued to have a positive attitude. Each player deserves a lot of credit for not giving up. I'm very proud of them." /// Coach DeNure

**UNDYING SPIRIT**

True Highlander spirit was admirably exemplified by the members of the Women’s Basketball team as they trudged through a tough season. This was the program’s second year of existence at NJTech and players were scarce.

A change in the coaching staff occurred mid-season which was somewhat unsettling for the women. The departure of the head coach caused uncertainty in the team. However, order was quickly restored as Dave DeNure took over the position and, with the help of Assistant Coach Gerry Meccia, led the team to their first victories.

DeNure attributes a great deal of the team’s fortitude to the excellent leadership of Captain Dion McMillan. DeNure describes McMillan as a prime example of the student-athlete. He commends her not only for her performance on the court, and as a leader, but for her high academic achievements.

The predominantly freshman squad felt much frustration after encountering loss after loss. But with encouragement from McMillan, they never gave up. According to Coach DeNure, opponent coaches often commented on the team’s remarkable dignity in the face of defeat.

Despite plagues of injuries and teammate comings and goings, the women remained resolved to win their first game; previous wins had been recorded only as a result of forfeitures. Desire became a reality in a contest with NY Maritime near the end of their season and the women felt a long awaited sense of accomplishment.

The women were then set on a win over Vassar, to whom earlier in the season they, with a diminished team, had lost a close game. Determination won that, their last game of the season, and their feelings of ecstasy reflected not only victory over Vassar, but over all the afflictions of the entire season.

Freshman Renee Hobson of North Plainfield was named the Vector’s Athlete of the Week for her key role in both of the season’s victories. Hobson was also noted for scoring a school-record 30 points against Caldwell College.

Dion McMillan was named Most Valuable Player with season statistics of: 241 points (14.2 avg/game), 256 rebounds (15.1 avg/game), and career statistics of: 429 points (11.9 avg/game), and 572 rebounds (15.9 avg/game). With the noted exception of Dion, the entire team will turn next year with their continued optimistic spirit.
Dion was named to the All-Tournament team after the Lady Highlanders competed in the Roadrunner Invitational at Ramapo. Dion was named the Vector's Athlete of the Week for the second time this season, being called by Coach DeNure "... a really fine player ... She plays hard every game."
"Our ECAC Tournament wins at FDU Madison and Jersey City State were especially important. We went on the road and defeated two nationally ranked clubs with one senior on our roster. Our achievements have put us in a great frame of mind as we prepare for next year."///Coach Catalano

ECAC CHAMPIONS

The Highlanders began the 1987-88 season with three returning starters and seven newcomers. Coach Catalano had hopes of the new adapting quickly, and together with the returning athletes, completing a successful season. His desires were more than fulfilled as the men finished the regular season with a 19-7 record, and then went on to win the ECAC Metropolitan New Jersey-New York Division III tournament.

Senior Norm McGee was NJTech’s Athlete of the week after his excellent performance during two IAC victories. Norm scored 17 points against previously undefeated Western Connecticut, and 12 points against Yeshiva University.

Junior Vic Foster received the Athlete of the Week title with his 17 points and 20 rebounds against William Paterson College, and 17 points and 23 rebounds in a win over New York Poly.

1987-88 Most Valuable Player Chris Miles (#5) led the nation in both three-point field goal accuracy (.642) and free throw shooting (.924) last season. The 6’1” guard continued his quality performance leading the team to their ECAC victory.

ABOVE: Junior Charles Brown (#44, shown here in a win over Yeshiva) had an outstanding season, earning Athlete of the Week status after scoring his career XXXTh point in the ECAC championship game with Jersey City State.

RIGHT: According to Coach Catalano, Captain Norm McGee was the team’s best defensive player and a real leader throughout the season.

Sophomore Darrow Murdock (#10) made quite an impact his first season at NJTech, demonstrating a great deal of talent and agility.

Co-captains Liz Goldrick (left) and Jean Murray will return in '89 to lead their team to a winning average over .500.
"The Softball team has really progressed since their start six years ago. We almost hit .500 this season . . . next year we'll . . . pass that mark." // Coach Moran

STRONG IN SPORT & STUDIES

Coach Moran speaks very proudly of his Lady Highlanders: "These architects and engineers give it their all on the field and in the classroom. They are hardworking . . . and best exemplify the NJTech student-athlete."

During spring break Bob took his athletes and assistants to the Olympic complex in Puerto Rico to train for their upcoming season. This was the first year the team traveled for spring training. They put in a lot of hours and built a strong team for 1988. The trip provided the opportunity and facilities for structured training they could not have experienced on campus and proved invaluable in developing the team's skills.

Captain Jean Murray was named Athlete of the Week for qualities which were present all season. Jeanne displayed a positive attitude and was a leading motivator for her team.

Linda Belenets, Adrienne Bujitas (4th year Architecture students), Liz Goldrick (junior Chemical Engineering) and Jean Murray (junior Mechanical Engineering) were named to the WIAC All League Team. The talent level of the team had continued to grow and with almost the entire team returning, the outlook for 1989 is great.
"The Men's Tennis team had a fairly successful season. We came in second in our conference . . . with some very good fill-in and strong performances by returnees."///Coach Cohen

IN VALUABLE GRADUATE STUDENT

Co-captain Scott Popp was chosen as the Men's Tennis team's 1988 Most Valuable Player. The graduate student was also honored by being named to the IAC All Conference team. Coach Cohen commends Scott for his hard work, his reliability at practices helping with drills, and for keeping everyone sharp. Scott is a steady player who sticks with his matches.

The 1988 Men's Tennis team consisted of: Graduate student Scott Popp (Co-captain), seniors Asutosh Shah (Co-captain), Manuel Loreto, juniors Scott Babcock, Manuel Sanchez, sophomore Frank DelVecchio, and freshmen Sueng Lee, Walter Michels, Octavio DaCosta, Sean Ensfield, and Jenaro Pascual.

Opponent	NJT-Opp
Seton Hall	6 - 3
Ramapo	2 - 7
Trenton State	0 - 9
Rutgers Newark	0 - 9
Montclair State	9 - 0
Jersey City State	9 - 0
NY Maritime	9 - 0
NY Poly	8 - 1
Yeshiva	7 - 2
Stevens Tech	3 - 6
Kean	3 - 6
Western Connecticut	9 - 0
(by default)

Some members of the 1988 Men's Tennis team celebrate at the Athletic Awards Night Dinner. From left to right are: Coach Stewart Cohen, Octavio DaCosta, Manuel Sanchez, Frank DelVecchio, Scott Popp, and Asutosh Shah.

"Attitude, talent and hustle-wise, this is the best we've looked since the 1982 season when we won the ECAC tournament and finished 20-6."// Coach Schmid

RECORD BREAKER

Senior Tom Spadafino set a new school record for stolen bases with 76. Tom was a four year starter in the outfield for NJTech.

Junior Ricky Wells was chosen Athlete of the Week partly for what Coach Schmid called "the longest home run I've seen by a NJTech player in my 16 seasons as head coach." Schmid added "He hit it at least 420 feet. He's got a lot of power." Wells also batted .500, had two doubles and a triple, two RBI's, six walks, and went 2 for 2 in stolen bases all in that week.

The future looks bright as Gene will lose only one of his talented players for next season.

Junior Jeff McEntee, 1988 Most Valuable Player, was honored as a Pitcher of the Week for NJ's College Division and Athlete of the Week at NJIT.

THE CONTESTS

Opponent | NJT-Opp
--- | ---
Maritime | 8-0, 10-8
CCNY | 8 - 8
Plymouth St | 3 - 10
Stevens | 9-3, 3-5
St Joes | 7 - 1
St Peters | 1 - 14
St Rose | 3-2, 4-14
USMMA | 16-14, 8-9
Mt St Mary's | 17 - 4
NY Poly | 13-5, 4-1
West Conn | 2-8, 5-4
Upsala | 5 - 9
Rutgers Nwk | 8 - 9
FDU Madison | 9-8, 9-6
JCS | 2 - 13
Wm Paterson | 2 - 13
Drew | 2-6, 12-4
Kings | 0-3, 3-6
Kean | 2 - 4
E Strdsbrg | 7-2, 4-1
Lehman | 2 - 10

Two of the Highlander’s Tri-captains - senior Tom Spadafino (left) and junior Keith Hook. Tom set the school record for stolen bases with 76. Not pictured: Tri-captain Mike Sifionos, the leading hitter with .351
"The 1987-88 Fencing team worked hard and overcame some obstacles with strong determination."///E. Flynn

SUAVE SWASHBUCKLERS

The 1987-88 Fencing team had some difficulties with facilities, but kept striving toward a winning season. Bob (Coach) hopes that next year will prove to be more structured.
"The Judo team had a strong start and fared quite well against other collegiate players."///Coach Grow

TRUE HIGHLANDER SPORTSMANSHIP

Judo consists of besting the enemy by throwing techniques and matwork, without punching or kicking. Once the referee gives the signal, the contestants fight to grip each other and gain advantage over their opponent. Most tournament matches are won by a throw, an inescapable hold, or a "submission" move such as a choke or "armbar".

The 1987-88 NJTech Judo Team after a tough tournament. Dr. Grow, a Chemical Engineering professor, dedicates himself to his team and genuinely enjoys the competitions. The members of the team showed true sportsmanship throughout the tournament.

Tim Krolan won first place in the heavyweight and second in the open divisions while fighting people exceeding his weight by fifty pounds. Senior Chih Chen made it to the semifinal round in 143 lbs. before falling to Army.
Tri-captain Jim Livolsi, 1987 Fitzgerald Award winner, excelled both on the court and in his studies.

Walter "Ski" Szynalski, an extremely talented athlete, was a 1987-88 Tri-captain for both Volleyball and Soccer. Ski is a very popular student who will be missed by all. Best of luck to you Walt.
Bad luck hit the 1987-88 Men's Volleyball team as they got more than their share of injuries, most of which occurred to starters. The team had to rely on many inexperienced players as back ups when the starters were few. Everyone worked hard and came through with remarkable improvement throughout the season.

"The Men's Volleyball team was plagued with injuries this season, which took out most of our starters for a great deal of the season. But we . . . did pretty well considering the tough schedule we faced."/ / / / Coach Moiseenko

HIGHLANDERS HIT HARD

LEFT: 1987-88 Most Valuable Player - Rudy Romulus. Rudy is a real team player; he has great strength and height, and plays a smart game.

FAR LEFT: Tri-captain Ted Laarkamp has been a great asset all four years he played for NJTech. The Chemical Engineering student was the MVP for 1985-86, and 1986-87.

ABOVE: Oleg will be losing seven key players next year, but has very promising young talent to develop.

LEFT: Senior Chris Mose is a dynamic personality on and off the court.
Senior Brian Kehoe demonstrated great skills on the slopes.

The 1987-88 NJTech Ski Team: (L to R) Brendan Lennox, Ed Ritz, Tuan Dovan, Coach Ted Paliwoda, and Chris Nastasi.
"He's been an outstanding athlete all season long. We've already rewarded him by voting him captain for next season.”///Coach Paliwoda, of Andy Kalwa.

SENSATIONAL SKIING

Andy Kalwa, a junior from Parsippany, had outstanding success during the skiing season. Andy finished sixth in the New Jersey College Ski Racing Association race of the National Mid-Atlantic Conference of the National Collegiate Skiing Association.

Andy’s highest finish was first place in the New Jersey Tech Invitational. He also took third place in the Montclair State Invitational at Hidden Valley.

Andy Kalwa was chosen 1987-88 Most Valuable Player and was a one time “Athlete of the Week” at NJTech.

ABOVE: Junior Tuan Dovan will return next year to enjoy competition on the slopes
LEFT: Senior Brian Kehoe makes his last appearance as a member of the NJTech Ski team.
“It has been rewarding to coach a rifle team consisting of intelligent people who gave so much to the sport through their dedication, hard work, and terrific sportsmanship. It has truly been a memorable season, BEST OF LUCK SENIORS.

The rifle team has had one of its roughest years ever due to extreme competition and facility problems. Due to the increasing need for office space it was necessary to convert the rifle range into offices for the teachers assistants just prior to the beginning of the season. This left the team with no place to practice or train new members. This area has a limited number of ranges with a very high demand which made it impossible to secure time at a suitable range. The prospects of getting some time at a local range for the 88-89 season looks good. The conference is now the most competitive rifle conference in the country with teams such as St. Johns, Army, Navy, MIT, and others. St. Johns awards full scholarships for some shooters and the milatry schools also weight it very heavy, many others give full and partial scholarships. With the competition the way it is, rifle shooting is a full time sport to remain competitive. It requires complete dedication to the sport such as the NJIT shooters have done. If space permits the team will hopefully have a new range in the expansion of the gym, the athletic department is behind us 100%.

The team will be losing Robert VanGent and Joe Logomarsino. Bob has received the MVP for the past three years in a row and has given unselfishly of himself to the team as captain. Bobs shooting has shown great improvement through the years and he has shot some very memorable scores. He plans to continue competitive shooting after graduation; I know he will win some state level matches and hopefully some national level matches. He has also offered to volunteer some time to help in the coaching of the team which will be a great asset. Joes amount of practice and sighting shots will never be forgotten. Along with his scores was his morale boosting phrases which helped the team win so many matches over the past years.

Other returning members are John Zisa, Mike Clark, Richard Maslanka, Joe Santos, Tom Zisa, Barry Banghoo, and Nitten Patel. The team members gave so much of themselves that despite the problems the season was enjoyable. The prospects for next year look good and hopefully the team will pick up some other fine shooters. We will miss you Bob and Joe, goodluck in your careers and in lifes ventures.”

Coach Kingston Fairclough

BEST WISHES
TO GRADUATING ATHLETES

The 1987-88 Golf and Bowling teams (above and at right, respectively) at the Athletic Awards Night Dinner.
"Spring break was excellent. It felt good to get away, relax, and have some fun. It really made going back to classes easier."//Hazel Rivera, Student Trainer

ATHLETES IN THE SUN

Senior Tom Pitt and junior Esteban Gomez assisted Coach Moran during the Softball team’s spring training in Puerto Rico.

Softball’s Iris Cruz and Soccer’s Wilbert Valenzuela enjoy the sun in San Juan.

ABOVE: After the Women’s Basketball season these teammates converted to Softball and joined the excursion to Puerto Rico. In addition to these sports, Elisa Fusco (2nd from right) plays for the Tennis team, and Linda Fortier (3rd from right) for the Volleyball team. LEFT. Hazel Rivera escapes to sunny Florida for the week.
"The Sports Awards Dinner is an opportunity for everyone to recognize the achievements of NJTech's varsity teams and individual athletes. The evening always proves enjoyable for the athletes, coaches, and faculty."///Linda J. Fortier, Sports Editor

CHAMPIONS

RIGHT: 1988 Fitzgerald Award winner Chris Kaplonski. Chris had a superb combination of academic and athletic achievements.

BELOW RIGHT: Chuck Brown made All Conference for the 1987-88 Basketball season.

BELOW LEFT: Ricky DePrizio was chosen for 1988's Senior Athlete Award for his selfless devotion to NJTech athletics.
The Men's Basketball team was honored for their successful season which was crowned by the ECAC championship.

The Golf team's Most Valuable Player is presented with his award.
"This was the first year we went away for spring training. I hope this will be a break through to be handed down to future NJTech softball teams. Thanks, Bob."///L. J. Fortier, Sports Editor

HANDS IN MOTION

Bob Moran (top photo), with a single handed effort, coordinated a spring training excursion to Puerto Rico for his Softball team. His athletes returned sunned, rested, and ready for the season ahead.

During his four years at NJTech, senior Walt Szynalski (bottom left photo) devoted himself to both Volleyball and Soccer while completing a tough curriculum in electrical engineering. A successful future is at hand.

Softball’s Iris Cruz, Renee Hobson, and Elisa Fusco (L to R - bottom center photo) stuck it out in the rain for a win: next year they’ll try their hand at volleyball.

Dave DeNure (bottom right photo) was voted Coach of the Year for transforming his Women’s Volleyball team from its one time winless record, to Conference Championships, on to ECAC status, and for being a part of the Women’s Basketball team’s first career wins. Dave and sports go hand in hand.

Coach Bob Moran giving the batting signals.
“More and more, students are realizing that they can afford to take time out of their schedules to take advantage of what the Intramural Program has to offer. We offer something for everyone . . . . and it’s nice to watch the program grow year to year.”///Pat McClellan, Graduate Assistant.

TIME WELL INVESTED

The Intramural Athletic Department administers to some 3,000 students and faculty members at NJTech, offering more than twenty team and individual athletic competitions. The program is designed to allow students, some who cannot devote the time to a varsity sport, to participate in athletic events. The intramural events are structured so that the competitions reflect students’ busy technological schedules.

Intramural activities allow students to keep fit and relieve stress that is often associated with tough studies. The opportunity to develop leadership qualities is presented, and friendships are built and strengthened in the sporting atmosphere, away from the classroom.

Special events (some specifically for women) are provided throughout the entire school year. These include: the Turkey Trot, International Students’ Day, swim meets, and weight lifting competitions. New events are continuously being introduced to the NJIT community through this sports program.

The Department is headed by Civil Engineering student Pat McClellan, with Athletic Supervisor Duane Felczak as faculty advisor. A group of volunteer directors run the program taking care of such details as scheduling the events, holding meetings, and arranging for referees (a paying job for students).

In April of 1988 Felczak, McClellan and their directors attended the National Intramural Recreational Sports Association convention in Hollywood, Fla. The trip was deemed a success by all, according to McClellan: “We learned a lot and had a good time.”
### THE CONTESTS

*and the champions are . . .*

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<th>Fall 1987</th>
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<tr>
<td><strong>Flag Football</strong></td>
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<td>Sergio Dos Santos</td>
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<td><strong>Bowling</strong></td>
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<td>Warren Rogers</td>
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<td><strong>Punt Pass &amp; Kick</strong></td>
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<td>Bill D'Ambola</td>
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<td><strong>Badminton</strong></td>
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<tr>
<td>Ashish Mittal, Shun-Hsien Huang, Hong-Hue Hsu, Marlene Perez, Robert Miller, and Lisa Pazskowski</td>
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<tr>
<td><strong>Turkey Trot</strong></td>
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<td>Dan Senior, Mike Critenly, Walt Szynalski, Gary Francis, and Edward Wronka</td>
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<td><strong>Swim Meet</strong></td>
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<td>Kayhan Asral, Peter Grzesiowski, Daniel Spanton, Chung Chih Hsiun, Chitsan Lin, Chih Hsiang Liao, and Hwang Mang Jung</td>
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<tr>
<td><strong>Basketball</strong></td>
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<td>Mystique</td>
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<td><strong>Floor Hockey</strong></td>
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<td>The Nads</td>
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<th>Spring 1988</th>
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<td><strong>Badminton</strong></td>
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<td>Gadangi Rajendra Kumar Mukkamala Venu Gopal</td>
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<td><strong>Bowling</strong></td>
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<td>Curtis Frazier, Warren Rogers, Sam, and Amish Patel</td>
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<td><strong>Softball</strong></td>
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<td>Tazmanian Devils</td>
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<td><strong>Paddleball</strong></td>
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<td>Tom Pitt</td>
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<td><strong>Indoor Soccer</strong></td>
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<td>Richard Kwinta</td>
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<td><strong>Bench Press Competition</strong></td>
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<td>Gary Cole</td>
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</table>
The 1987-88 Intramural Council: (L to R) Standing - Andrea Schneider, Ricky DePrizio, Pat McClellan, Esteban Gomez, Rick O'Shea, Rob Paulis, Joe Christen, Seated - Sergio Dos Santos, and Duane Felczak.

(L to R) Ron, Warren, and Chance participate in the Intramural Basketball League, a favorite of NJTech students.
This year's senior class is the largest in NJIT's history. They have put up with a lot. They were the first class to park in the Broadway lot (and take the NJIT shuttle to the campus). They were the first to experience senior registration when seniority did not matter. Due to the new computer system the registrar could not determine seniority and all students got to register at the same time, in alphabetical order. We have witnessed breaking ground on at least two new buildings and the emergence of a fourth school at NJIT. The Class of 88 was there when the Freshmen began receiving their own computers at every student's expense.
We need...

The Pub, located in the Hazell Center, is patronized by all students and offers not only a variety of uniquely named foods, but also a break from classes. At night, the Pub provides entertainment, including comedy and musical groups and theme nights. Such events were Senior Pub Night, St. Patrick’s Day, White Castle Night, and Powder Night. Besides being a social place to gather with friends, it also offers employment for students as well as annual scholarships.
A break
The Student Activities Council joined together with the Women’s Softball Team for a trip to Puerto Rico. The working vacation featured a heavy dose of physical conditioning and scrimmages, mixed with an equal quantity of sunburn and sweat. This recipe produced the best women’s softball season to date, and some world class suntans.
Sweat!
Semi formal

This year's Spring Semi-Formal was held on April 22, 1988 at the International Crossroads Sheraton in Mahwah, NJ. With over three hundred people in attendance the event was one of the most successful in years. The night began at 8PM with a cocktail hour including an open bar, a live band and many great hors D'oeuvres. Dinner began with a champagne toast to the graduates of the class of 1988. Prime Rib and Chicken En Croute were the choices for the main entree which was French served to all the guests. With live music provided by Break 100 and a DJ from the PRO's we all had a great time dancing, and so much fun the night lasted over an hour longer than expected with the last guests leaving after 2AM.
Breaking free
The culmination of many years of hard work ended on May 19, 1988. Graduation was set for 10 AM at the Garden State Arts Center in Holmdel, NJ. Despite the cold, wind and rain more than a thousand graduates lined up to receive their degrees with parents, friends and family packing the large auditorium. The weather did not dampen the spirits of the graduates who were all exceptionally happy to be receiving their degrees. Champagne corks flew everywhere only to have the bottles taken away by the Arts Center staff. The Class of 1988 was the largest graduating class in NJIT's history but with a new structure the ceremony was much shorter than year's past, and all degrees were conferred by 12 PM.
Presenting
The
Class Of 1988

NEW JERSEY
INSTITUTE
OF TECHNOLOGY
Lucy Gomez

In addition to Lucy's many awards and activities, which include Vice President of the American Chemical Society and Information Director of SAM, she recently earned the Outstanding Senior Athlete Award.

Lucy is well known and liked by both the students and faculty on campus. She has demonstrated excellent ability in student leadership and athletics, while maintaining a very high GPA.

Her future plans include owning her own business, receiving her MBA, becoming a world traveler, and living in the country where she can build her own house. She is an animal lover and enjoys collecting foreign coins.
AARON BEAUFORT
Lyndhurst, NJ B ARCH

MICHAEL W. BECHER
Ramsey, NJ BS EE

NORBERTO D. BELLOMO
Paterson, NJ BS EE
IEEE, Sigma Pi

ROBERTO A. BENITEZ
Hoboken, NJ BS CIS

STELIOS N. BERTOS
Elmwood Park, NJ BS CE

MARCELO BEZOS
West New York, NJ BS ME

ASHWINI BHATNAGAR
Fords, NJ BS ME

MARY BIANCA
Piscataway, NJ B ARCH

CARL J. BILICSKA
Union, NJ BS EE
Intra. Basketball

MULUEMBET BIZUNEN
Orange, NJ BS EE

PAUL D. BLUME
Union, NJ BS EE
Tau Delta Phi

STEVEN J. BLUME
Union, NJ BS EE
Tau Delta Phi

PAUL J. BONIFACE
Essex Fells, NJ BS ET

KIM A. BOOKER
Newark, NJ BS EE

CRAIG J. BOYLE
Kearny, NJ BS ME
Intra. Volleyball

MICHAEL BRENNAN
Hackensack, NJ BS ME
Intra. Hockey

CYNTHIA BROOKS
Newark, NJ BS IA
Secretary-NSBE, Student Senate

SHARON JILL BROWNING
Belleville, NJ BS IE
Tau Beta Pi

JODI M. BUNTING
Elizabeth, NJ BS ME
ASME

THANH BUI
Kearny, NJ BS EET
Jennifer Lee

Jennifer Lee, Senior Class President, graduated Cum Laude as an Electrical Engineer. She has been an active member of many student organizations since her enrollment at NJIT in the Fall of 1984. She served as a representative on the student government for her Freshman and Sophomore years and as administrative Vice President her Junior year. She also participated as a Miniversity leader, a Pub Board representative, a member of IEEE, and as a Peer Counselor. She is also a member of four national honor societies: Eta Kappa Nu, Tau Beta Pi, Omicron Delta Kappa and Phi Beta Sigma. Jennifer hopes to obtain a job in technical sales and marketing and then plans to return to school to earn her MBA. When Jennifer is not in school, she enjoys hiking, skiing and bicycling.
RICHARD L. COOK
Pennington, NJ BS ME

JUANITA CRESPO
Union City, NJ B ARCH

GRACE CRISAFI
Irvington, NJ BS STS
Phi Eta Sigma, ODK, Forensic, Pi Kappa Delta

HECTOR M. CUERNO
Middlesex, NJ B ARCH

DELCO S. DASILVA
Newark, NJ BS IA

MICHAEL R. DECARLO
Mountainside, NJ BS ChE

JOSEPH DEJOIE
Orange, NJ BS IA

JEFFREY J. DENNIS
Ocean City, NJ BS ET
ASCE, SSCE, Sigma Pi, IFC Sports

DAVID DEOLIVEIRA
Kearny, NJ BS EE
Treasurer-SAC, Outing/Ski Club, Senate

RICHY A. DEPINHO
Newark, NJ BS IE
Pres.-IIE, V.P. Alpha Pi Mu, Treas. ODK, Senate, Tau Beta Pi, Phi Eta Sigma

RICHARD J. DEPRIZIO
Belleville, NJ BS EE
Soccer, Intra. Sports IEEE

GEORGE R. DERITTER
Hawthorne, NJ BS ChE
Pres. AICE, ACS, V.P. Omega Chi Epsilon, Tau Beta Pi

ERNEST DEROSA
Belleville, NJ BE IE
Fencing, Tau Delta Phi

NICHOLAS V. DETORE JR
Iselin, NJ BS CIS
ACM

SOLEDAD C. DIKITANAN
Newark, NJ BS EE

ROBERT C. DOLAN
Somerset, NJ BS ME

FABIAN DOMINGUEZ
Union City, NJ BS CE

MARK S. DOROBA
Minehill, NJ BS CIS

LAURIE ANN DROUGHTON
Lincroft, NJ BS ChE
AICHE, Institute Honors, Omega Chi Epsilon - Pres., Tau Beta Pi - Cataloger, Senate, ODK

ROMAN S. DUMBRIQUE, JR
Perth Amboy, NJ BS ME
IRMA E. FUENTES
West New York, NJ B ARCH

MARIO A. GARCIA
West New York, NJ BS ME Lambda Sigma Upsilon

STEVEN GARGIULO
North Caldwell, NJ BS CET

EDMUND C. GRANITE
East Orange, NJ B ARCH

PAUL M. GELENCSER
Clark, NJ BS EE Intra. Softball, Intra. Hockey

PORFIRIO GERMAN
Newark, NJ BS IA HOST, SAM

ROSARIA GIANCASPRO
Kearny, NJ BS IE Intra. Volleyball, Alpha Sigma Tau, Inst. of IE.

KAREN ELIZABETH GIUST
Clifton, NJ BS IE

THEODOR N. GJINI
Paramus, NJ BS EE Theta Chi, Tennis Team

WAJI GOBRIAL
Jersy City, NJ BS EE

SANJAY D. GOHIL
Paterson, NJ BS EE

LUCIA C. GOMEZ
Berkeley Hts., NJ BS CHE AICE, V.P. ACS, Info. Dir., SAM, ODK, Finance Board, Sr. Athlete

CLAUDIA GONZALEZ
South Plainfield, NJ BS CIS

JAMES WILLIAM GOTTO
Avenei, NJ BS CE Senate, Alpha Sigma Phi, Miniversity

RICHARD M. GRACIANO
Hoboken, NJ BS ME

FRANK J. GRECO
Bergen, NJ BS IA Bowling Team, SAM

WILLIAM J. GRIFFING
Whitehouse Sta., NJ BS IA Var. Basketball, ODK, SAM - VP, outstanding member 1987, Tau Delta Phi, Intra. Softball DECA, Scholar Athlete

PAUL STEVEN GROSS
Totowa, NJ BS CHE Kappa Xi Kappa, Sec. AICHE, SAM, Senate, WJTB, Inta. Sports

VINCENT GUARIGLIA
Livingston, NJ BS EE

FRANK GUERINO
Elizabeth, NJ BS EE Chair IEEE, Jr. Rep. IEEE,
Thomas Wing Pitt

Thomas Wing Pitt Jr. - Special Senior

Thomas Wing Pitt Jr. is 5’8” tall. He weighs 180 pounds. Tom has many hobbies. He enjoys baseball, collecting stamps and playing games of all types. You name it Tom does it! Tom is very active in theater. In all the years he has been at NJIT he has held many of the star roles in school productions. He is also a member of the Student Activities Council (SAC). He held the office of Vice President in 1986-1987. In Tom’s spare time he teaches C.C.D. to young children on Sundays at St. Joseph’s in West Orange. When he was asked what he enjoyed the most about NJIT, Tom said he liked the way the students stayed tight and together when a problem arose. He said everyone “hung together”. When he was asked about what he disliked, Tom said he hated the bureaucracy. Tom’s most memorable event at NJIT was meeting his girlfriend, Liz. Tom sees himself 10 years from now ---- married, and with a house with a white picket fence surrounding it with a few kids and a dog.
MARK A. HEINRICHS
Frenchtown, NJ BS ME
President of SAE, Mini Baja Project

DOREEN A. HELMKE
Pine Brook, NJ BS IE
Resident Assistant, JIE, Student Senate - VP Student Affairs, Alpha Sigma Tau

GERALD D. HILLMAN
Clifton, NJ BS MET

DOUGLAS WINSTON HINES
Clifton, NJ BS EE
Microcomputer Users Group

MICHAEL J. HLATKE IV
Middlesex, NJ B ARCH SAA

PATRICK G. HOEY
Lyndhurst, NJ BS CIS

MASHANDA HOFLER
Irvinton, NJ BS IA
BASE, NSBE, SAM

DEBORAH ANNE HOPKINS
Ridgefield Pk., NJ B ARCH

ERIC JAMES HOUSTON
East Orange, NJ BS IA

JAMES R. HUBBARD
Hackettstown, NJ BS ET

GERTRUDE M. HUNTER
Newark, NJ BS IA

NORMAN V. INFERRERA
Turnesville, NJ BS ME
ASME, Sigma Pi Fraternity

JOSEPH ANTHONY INFOSINO
Aberdeen, NJ BS EE
IEEE

DAVID T. JAMIESON
Glen Ridge, NJ BS EE

HITA JANI
Union, NJ BS CIS

ROBERT A. JANKOWSKI
Jersey City, NJ BS IE

GARY J. JASKOT
Paramus, NJ BS ME

MERCY JOHN
Clifton, NJ BS
Upsilon Pi Epsilon, ACM, HOST

ARNE MICHAEL JOHNSON
Brick, NJ B ARCH AAIA

MICHAEL C. JOHNSON
East Orange, NJ BS IE
DHARMENDRA KAPADIA
Edison, NJ BS EE
IEEE, Residence Hall Council,
Chess Club, SAM

CHRIS KARAMANOS
Dover, NJ BS ME
Intra. Soccer and Volleyball,
President of Hellenic Club "Eu-
clides", Student Senate

ATHANASIOS G.
KATSIGIANNIS
Union City, NJ BS IA

SUKHMANI KAUR
Newark, NJ BS EE
IEEE, Eta Kappa Nu, Tau Beta
Pi

SCOTT EDWARD
KEARNEY
Woodbridge, NJ BS EE
Alpha Sigma Phi

RONG A. KEASE
East Orange, NJ BS ME
School of Architecture Student
Association Member

ANTONETTE KELLETT
Bloomfield, NJ BS EE
IIE, Omicron Delta Kappa

DONALD F. KELLY
Englishtown, NJ BS ME
MUG, ASME, SAE, Pi Tau
Sigma

LORI A. KELLEY
Little Falls, NJ BS ApMA

JAMES KERWIN
Newark, NJ BS IE

ROGER KHOURY
Hasbouck Hts., NJ BS ME

TEA-QUIN KIM
Kearny, NJ BS ME

JEFFERY H. KLINE
Wayne, NJ BS CE
Var. Soccer, ASCE, SSCC

STEVEN J. KOLB
NJ BS EE

JERRY A. KOLLER
Burlington, NJ BS IA

EDWARD M. KOLVEK
Hillside, NJ

JOSEPH G. KORODY
Trenton, NJ BS EET

ROBERT F. KOZLOWSKI
Union, NJ BS ApPHY
Institute Honors, IEEE,
NCGA

KAZIMIERZ KOLODZIEJ
Clifton, NJ BS EE

BRET A. KRAIDMAN
Brick, NJ BS EE

172/Seniors
JOSEPH KRASZEWSKI
Clifton, NJ BS IE
Ice Hockey Team, SME

KENNETH KRAWCHECK
Port Reading, NJ BS ME

JANUSZ JOHN
KREMENTOWSKI
Parsippany, NJ BS CIS

TIMOTHY KRULAN
Lake Hiawatha, NJ BS IET
Judo Team - capt., SME - President

LAWRENCE T. KUNZ JR.
Butler, NJ BS ME
lotta Kappa Phi, Xerox Bro.
CBJBPRTSV

THEODORE LAARKAMP
Newark, NJ BS ChE
Tau Lambda Chi, AICE, Inter-collegiate Varsity Volleyball

ANDREW LACHANAREY
Short Hills, NJ BS IE

MARIOS LACHANNROS
Newark, NJ B ARCH

PAUL WILLIAM LAMAN
Prospect Park, NJ BS ME

DEBORAH J. LAPPINE
Butler, NJ BS IA

CONCETO N. LAPUNTA
North Brunswick, NJ B ARCH

CHARLES A. LARANSEIRA
Linden, NJ BS IA

CHRISTINA M. LASPADA
North Arlington, NJ BS ChE
AICE, Tau Beta Pi, Pookie and Bubba

SAMUEL D. LAWRENCE
Newark, NJ BS CIS

SHARON A. LEDDY
Whippany, NJ BS EE
IEEE Treasurer

JANET M. LEE
Elizabeth, NJ BS ME
SWE

JENNIFER R. LEE
Jackson, NJ BS EE
Senior Class President, Student Senate VP, Eta Kappa Nu, Tau Beta Pi, ODK, Phi Eta Sigma

RICHARD A. LEENTJES
Midland Park, NJ BS ME
SAE, ASME

DOUGLAS F. LEITE
Springfield, NJ BS ME
ASME, SAE

BRENDAN A. LENOX
Millington, NJ BS CET
Along with her penetrating smile and unique personality, Vivian’s extra-curricular involvement and extraordinary academic performance makes her an outstanding example of a special senior.

Her leisure time activities include traveling, dancing, cooking and the beach. Vivian also enjoys designing and making her own clothing, some of which were featured in the spring fashion show.

Her many contributions to the clubs at NJIT include involvement in SWE, ACS, Tau Beta Pi and Omicron Delta Kappa. She feels her major contribution was in the time she was president of HOST. Vivian’s success with this organization includes changing the direction of the club to make people more aware of its purpose.
JEAN S. LODESCAR
Brooklyn, NY BS EE
IEEE

RANSFORD A. LODGE
Paterson N.J. BS CE
ASCE, Student Senate

DAVID C. LOOI
Newark, N.J. BS IE

THEA E. LUBRECHT
Randolph, N.J. BS ME
Tau Beta Pi, Pi Tau Sigma

GREGORY J. LUTCHKO
West Milford, N.J. BS EE
ANS

VICTOR E. MACAULEY
East Orange, N.J. BS EE
IEEE, Tennis Table Club

GERARDO MACEIRA
Newark, N.J. BS CE
Lambda Sigma Upsilon,
ASCE, HOST, Judo Club

GHASSAN S.
MAJADALAWIEH
Paterson, N.J. BS EET

ARTHUR C. MALIAN
Montville, N.J. BS ME
Tau Lambda Chi, ASME, In-
tra. sports

CHRISTOPHER R. MANNS
Montclair, N.J. BS CIS
Volleyball, SAC, Finance
Board

ELIO A. MANES
West New York, N.J. BS ME

MANAL A. MANSOUR
Queens, N.Y. BS CE

CRAIG C. MARKER
Dover, Delaware BS CE
ASCE, Chi Epsilon, R.A.

EMANUEL MARSHALL
Newark, N.J. BS ME
ASME

RICHARD MARTINEZ
Paterson, N.J. BS EE
HOST

JORGE M. MARTINS
Newark, N.J. BS IA
SAM, MUG

ALBERT MARTORANO
Clifton, N.J. B ARCH
Alpha Sigma Phi

FRANK MATARAZZO
Fairfield, N.J. BS CE
ASCE Treasurer, ACI, ITE,

ROSA P. MATIAS
Elizabeth, N.J. BX CIS
Upsilon Pi Epsilon, ACM,
HOST

WILLIAM MAURIELLO
Fairview, N.J. BS EE
JOSEPH M. MONAHAN  
Palisades Park, N.J. BS IE  
IEE, Intra. Football, Softball, Volleyball

JOSE F. MORALES  
Morristown, N.J. BS EET  
IEEE, soccer, National Honor Society of Technology

RAMON A. MORALES  
Budd Lake, N.J. BS ET  
Tau Alpha Pi

JOSE E. MORENO  
Elizabeth, N.J. BS EE  
HOST, Soccer (capt.)

RAYMOND MOONSAMMY  
Jersey, N.J. BS EE  
Eta Kappa Nu, Tau Beta Phi, IEEE

CHRISTOPHER S. MOSE  
Highland Park, N.J. BS CIS  

MICHAELANGELO C. MOTA  
Montclair, NJ MS/BS CE

TALINE A. MOURADIAN  
Colonia N.J. BS EE

JOSEPH MULE  
Little Ferry, N.J. BS CE  
Tau Delta Phi

RICHARD M. MURO  
Old Bridge, N.J. BS EET  
IEEE

BARRY MURRAY  
Newark, N.J. BS EE

ELEFTHERIUS A. MYLONAS  
Edison, N.J. BS EET

ROBERT MYRE  
Kearney, N.J. BS CIS

PRAJANNA R. MYSORE  
Elizabeth, N.J. BS

MILTON R. NAVARRO  
Passaic, N.J. BS EE  
HOST, IEEE, SAM, Intra. sports

JOAN M. NEBLETT  
East Orange, NJ BS IA

JOSE L. NEGRON  
Jersey City, N.J. BS MIS

MARITZA NEGRON  
Newark, N.J., BS

LONG V. NGUYEN  
South Plainfield, N.J. BS EE

ADONIS E. NJOKUBI  
East Orange, NJ BS IA
Honorary Sr.

Kappa

Kappa, the amazing frisbee-catching wonder dog, has been an integral and very important part of Kappa Xi Kappa Fraternity since her induction into the house as a very young puppy in May 1978. She has been trained by the brothers to guard the house property against uninvited guests, a responsibility which she has undertaken very well. Kappa has also been trained to catch frisbees, a talent that many NJIT students may have recognized as she practiced on the green. This talent has also earned her recognition at world class frisbee competitions. Kappa’s high level of intelligence enables her to perform a variety of tricks, an easy task since she is a labrador. Although Kappa is now ten years old, the brothers of Kappa Xi Kappa expect to have her with them for many years to come. Her amazing talents have touched the hearts of many NJIT students in the past, present and will continue to do so in the future.
STEPHEN D. OLIVER
Montclair, N.J. B Arch

ADETEJU OLUOKUN
East Orange, N.J. BS

ADENIYI O. ONI
Brooklyn, N.J. BS ET

ROCCO P. ORLANDO
North Caldwell, N.J. B Arch
SAA, pres., Var. Soccer 1, 2, 3
Intra. Soccer, Softball, Basketball

ROSEMARIE M. PABLACIO
Jersey City, N.J. BS ChE

MANUEL F. PACHECO
North Bergen, N.J. BS EE HOST

BARBARA A. PAGANO
Neptune City, N.J. BS ME

GURJEVE SINGH PAINTAL
EDISON, N.J. BS EE

ALEXANDER PANESO
RAHWAY, N.J. BS EE

NICHOLAS J. PANTINA
Elizabeth, N.J. BS CE
ASCE, ACI, NAT-NAT Inc.
WAYBO, INC.

CHRISTOPHER PANZA
Lakewood, N.J. BS IE

RALPESH H. PARIKH
Edison, N.J. BS CIS
Upsilon Pi Epsilon - sec., Tau
Beta Pi, ACM

JONATHON J. PARKER
Brooklyn, N.Y. BS ME

RICHARD J. PARODI
Hasbrouk Heights, N.J. BS EE

ASHOK B. PATEL
New Brunswick, N.J. BS EE

ATUL PATEL
Edison, N.J. BS

BHUPENDRA T. PATEL
EDISON, N.J. BS EE

DIPTI PATEL
Passaic, N.J. BS IE
IIE, AIS, Student Senate

KETAN V. PATEL
Edison, N.J. BS EE
Tau Beta Pi, Eta Kappa Nu,
Omicron Delta Kappa, Mini-

MEHUL M. PATEL
Colonia, NJ BS EE
MITESH K. PATEL
Union City, N.J. BS EE

NITIN S. PATEL
Passaic, N.J., BS ME
ASME, SAE, Rifle Team

PARESH R. PATEL
Clifton, N.J. BS EE

RAKESH PATEL
Edison, N.J. BS EE

RASHMIN M. PATEL
Passaic, N.J. BS ME
ASME, Pi Tau Sigma

SAMEER A. PATEL
Piscataway, N.J. BS EE
Eta Kappa Nu; sec., Tau Beta Pi, IEEE

ROMAN M. PAZDRO
Kenilworth, N.J. BS ChE
AIChE - VP, SAC - treas., Outing Club, Ski Club, ACS, Intra. soccer, volleyball, softball, billiards

URMILA S. PATEL
North Bergen, N.J. BS EE

LANFORD A. PEART
Orange, N.J. BS

ANTHONY F. PEDRO
Sayerville, N.J. BS CE
ASCE, Chi Epsilon

STEPHEN P. PELLEGRINO
Morris Plains, NJ BS IA

LUIS C. PEREIRA
Newark, N.J. BS EE

WILLIAM J. PERHACS
Mt. Arlington, N.J. BS ME
intra. volleyball, tennis

VICTOR T. PERROTE, Jr.
West New York, N.J. BS EE
IEEE

HERBERT ERIC PETRAT
Belleville, NJ BS EE

MARTIN C. PETTESCH
Roselle, NJ BS ME

LORI B. PIASSEK
Kenilworth, NJ BS CE
ASCE, ITE, Chi Epsilon

GUY R. PIERRE
Irvington, NJ BS IA

MARK G. PINKMAN
Westfield, NJ BS

DANNY J. PIOTROWSKI
Elmwood Park, NJ BS EE
Bill Wilson is a very ambitious and well diversified individual. He entered NJIT in January of 1984 after receiving his certification as a Tool and Die Maker. Bill received his B.S. in C.I.S. this May and plans on entering law school in the fall. He has been an active member of many student organizations since his enrollment. He served as President of the Tau Beta Pi Honor Society and Vice President of Upsilon Pi Epsilon during his senior year. He is also a member of Omicron Delta Kappa and the Association for Computing Machinery. He is among the few at NJIT who have been chosen to be in Who's Who Among Students In American Universities & Colleges for 1988. When Bill is not in school, he enjoys water skiing and bicycling.
ARMANDO A. RUIZ
Union City, NJ BS CHE

JAMES A. RUSKOWSKY
Bloomfield, NJ BS EE
Phi Eta Sigma, Omicron Delta Kappa, Audio Club, MUG

RAJAT R. RUSTAGI
Edison, NJ BS EE
IIE, Deans List

HOMER N. RUTTY
East Orange, NJ BS EE
Soccer, CARIBSO

CATHERINE L. RYAN
West Paterson, NJ BS AS
Math Club, Omega Chi Epsilon

JAMES C. RYMANIAK
Sparta, NJ BS MET

JOHN T. RZEPKA
Trenton, NJ B ARCH

MICHAEL J. SABADIC
Maplewood, NJ BS ME

DIEGO F. SALAZAR
Union City, NJ BS EE
Intra. Soccer, HOST

DOMINIC SALSA
New Brunswick, NJ BS CET

RAFAEL A. SANCHEZ
Newark, NJ BS EE

CLIFFORD M. SAMUEL
Newark, NJ BS ME
CARIBSO, CEO

WILLIAM H. SANTAY
Fanwood, NJ BS ME

STEPHEN J. SCHMAUS
Hopatcong, NJ BS IA
SAM, IFSC Sports

CINDY J. SCHNEIDER
Springfield, NJ BS IA
Vice-President SAM, Volleyball Little Sister Pi Kappa Phi

ALLEN G. SCHULTZ
Laurence, NJ BS ME

SARMEET S. SCHTI
Paramus, NJ BS EE
Tennis, Softball

SCOTT D. SEDAR
Colonia, NJ BS CIS

ASUTOSH SHAH
Parlin, NJ BS EE
Mens Tennis - capt., member, AIS

KETAN R. SHAM
Noboken, NJ BS EET
HARSHAD C. SHAH
Wharton, NJ BS CIS

LOMAS J. SHAH
Elizabeth, NJ BS EE
Octobertech, IEEE

PRIITI H. SHAH
North Bergin, NJ BS EE
ACM

GEORGE A. SHERMAN
West Caldwell, NJ BS ME

LAWRENCE SIERRA
Perth Amboy, NJ BS CET
Tau Kappa Epsilon, SSCE - VP

FRED L. SKAIKA
West Plainfield, NJ BE EE
Tau Beta Pi

ROBERT S. SKOK
Jamesburg Ht., NJ BS CET
President SSCE, Deans list

RICHARD A. SKULTE
Belleville, NJ BS EE
IEEE, Audio Club

DOUGLAS J. SLATE
Sussex, NJ BS ME
ASME - treasurer, SAE, Pi Tau Sigma

BRUCE G. SMITH
Hazlet, NJ BS IE

JOHN J. SOOS
Skillman, NJ BS EE
Alpha Sigma Phi

ROBERT J. SPANG
Piscataway, NJ BS EE
SAC, Outing Club, Order of the Engineer

JAMES SPINOLA
Manville, NJ B ARCH
Var. Wrestling, Editor SAA Newsletter, SAA Studio Rep., Octobertech Guide, Audio Club, RU Brass Ensemble

JEFFREY A. SPRAGUE
Florham Park, NJ BS EET

ROBERT L. SPIVEY
Lareneville, NJ B ARCH

LEON H. SQUIRE
Morristown, NJ BS EET
President Tau Alpha Pi, National Society of Black Engineers, Black Assoc. of Student Engineers, IEEE

DAVID J. STANTLEY
Whippany, NJ BS IA

GREGORY J. STEC
BS ChE
AIChE

MARK A. STEFANELLI
Lyndhurst, NJ B ARCH

ADAM M. STEIN
Millburn, NJ BS EE
Leon Squire

Leon has demonstrated a leadership role during his years at NJIT. His accomplishments include president of Tau Alpha Pi and IEEE technology representative. He was also actively involved in the 1988 World Week planning committee.

Leon's hobbies include bicycling, camping, canoeing, deep sea fishing and travelling. In the future, ten years down the road, he sees himself as owning his own business.
SHEILA WITHERSPOON  
Newark, NJ BS CIS

NANCY M. WITSIK  
Weehawken, NJ BS CIS  
SAC President, Vice President,  
Secretary, Outing Club,  
Cheerleading, Yearbook, Alpha Sigma Tau

ROSEMARIE L. WONG  
E. Orange, NJ BS CIS

WILLIAM F. WONG  
Harrison, NJ B ARCH

EDWARD WROUKA  
Riverdale, NJ BS EE

LING-CHI WU  
Newark, NJ BS CIS

PATRICIA JANE YACKOVICH  
Clifton, NJ BS ME

DANIEL A. YAPAOLA  
Wood-Ridge, NJ BS IA

CHUNG-KIN YIP  
Irvington, NJ BS ME

MARK H. ZALESKI  
Paramus, NJ

ANTONIO JAVIER ZAS  
W. New York, NJ BS CET  
Deans List

GARY J. ZEMANOVICH  
Carteret, NJ BS IA  
SAM Vice President of Promotions

ANTHONY FRANK ZERO  
Middletown, NJ B ARCH

SCOTT C. ZUBER  
Clifton, NJ BS ME  
ASME, Deans List

QAMAR ISLAM ZUBERI  
Newark, NJ BS IA  
SAM, Deans List
This year’s Senior Committee members made a great team. Not only did they all work well together but they became great friends as well. They all got together every Wednesday night to drink beer, eat pizza and plan senior events such as pub nights, Cheer’s Day, and the Annual Spring Semi-Formal. After graduation they spent many nights at NJIT drinking more beer while they put together the senior section of this yearbook. They all feel that it’s been a great year and all the senior events have been very successful.
Graduate students make up a large part of the NJIT community. They are professionals skilled in electronics, architecture, computers, mechanics environment, and engineering who have come to NJIT to continue their education and to reach and obtain their personal challenge of an advanced and specialized degree. Graduate students have a common goal but the mechanism to achieve it may differ. Some graduate students work as teaching, research, or graduate assistants in school, while others work in industry, and attend NJIT during the evening. Family, friends, husbands and wives support the graduate student in reaching commencement.
During the past academic year, NJIT’s graduate program reached a new plateau that prepares NJIT for future development. The graduate enrollment target set to measure progress toward the Governor’s challenge to NJIT to become one of the nation’s premier technological universities was reached (two years early). In 1985, NJIT set 25% of its total enrollment as the graduate enrollment target. In fall 1987, graduate enrollment stood at 27%. In the College of Science and Liberal Arts, graduating students with master’s degrees exceeded the number of baccalaureate degree recipients. A similar phenomenon will occur in Newark College of Engineering within a few years. With the expanded graduate enrollment, research has also expanded. Last year, NJIT performed approximately $10 million in sponsored research. The objective of the next few years must be to continue to improve the quality of all of its programs.

The changes that have been made over the past few years are felt throughout the university. The most visible effects are in the ambitious building program; yet, the emergence of a strong graduate student body may have more lasting effects. Graduate students are active in all of the ethnic and cultural groups on campus; they are represented on nearly all academic standing committees; they play an important role in the education of undergraduate students; and they bring renewed vigor to the intellectual life of the campus through the sponsorship of lectures, symposia, and conferences. The challenge for the next few years will be to design the ways in which the undergraduate students and graduate students can work together to help achieve NJIT’s goal to become a premier technological university by providing an improved learning environment for undergraduate and graduate students.

As we approach the next decade, our focus must be on improvements in quality in graduate programs - quality of curricula, increased student preparation, new buildings, and equipment. These new facilities are necessary, not only to house the existing graduate and undergraduate programs, but to make possible the emerging doctoral programs. In the past year alone, 150 students were admitted to NJIT’s doctoral programs. However, as we break ground for new buildings, extend computer networks to offices, classrooms and laboratories, and upgrade instructional and research equipment, it is important to remember that the students at all levels in the university create the university’s reputation. The university is proud of the students who have graduated and it is committed to improving its reputation for those who come after.

Dr. Gary Thomas
Vice President Academic Affairs
During the past few years, NJIT has evolved from a "small but sound engineering school" into a comprehensive technological university which enjoys both national recognition and an international reputation. Central to this change has been an increasing focus on research and advanced studies.

In a few short years we have seen graduate enrollments grow significantly so that graduate students may soon account for almost a third of the total student population. An active program to recruit distinguished established faculty as well as attract talented younger professors has contributed to our reputation for academic excellence. A number of new graduate degree programs have been developed - especially in interdisciplinary fields reflecting the complex demands placed upon science and technology by a rapidly changing economy. Our campus has expanded and new buildings dedicated to the pursuit of research in such areas as information technology, the management of hazardous materials, technology management, and computer integrated manufacturing have been opened.

Graduate students have been critically involved in NJIT's development. The students have played a vital and energetic role in educating undergraduates; they have brought increasing cultural, social and educational diversity to the campus; they have participated in almost all the major university's committees; and, through an unusually strong and vigorous Graduate Student Association, they have enhanced both the academic and cultural life of the entire campus.

Perhaps for these reasons, NJIT's Graduate Division is increasingly the school of choice for those seeking a high quality education which combines advanced study, research and the opportunity to participate in a variety of employment-related experiences. In this regard, NJIT's unique graduate co-operative education program is of special importance.

But while NJIT provides graduate students with exceptional opportunities for advanced study and research, it also seeks to develop in each student a sense of personal adventure and a commitment to using professional talents for the enrichment of society. It is our hope that when you leave NJIT you will not only develop as a professional but will also find opportunities to help others. For perhaps the true value of education is its ability to contribute to the betterment of us all.

My very best wishes to you all,

Dr Dino Sethi
Director, Graduate Division
Newark, New Jersey 07102
(201) 596-3460
The fall, 1987, open house was attended by more than 400 graduate students, faculty, and staff. The informal gathering gave the new students a chance to get to know about others.

Special seminar on "Non-Immigrant and Immigrant Work Visa" by Ronald W. Freeman, Esq.
One of the fall program by GSA. Indian classical dance (Bharathanatyam) by Miss. Kavitha Sundaresan, from Madras, India.

More than 425 students enjoyed the live telecast of the World Cup Cricket match finals organized by GSA.

Dr. Arnold Allentuch, Assoc VP for Academic Affairs.
GSA fall program. A North Indian classical music evening played at NJIT Theater by Ken Zuckerman on sarod, accompanied by Ray Speigel on tabla, and Ms. Alaka Palsole, a graduate student, on tambura. This trio performed last fall also.

"Arrival of new international graduate students."

The Graduate Student Association was constantly working to ease the transition. Regularly scheduled pick-ups from the airport were scheduled.
In January of 88, a condensed orientation was held for incoming new and transfer foreign students. Again, the GSA played an active and vital role. They coordinated airport pick-ups, temporary housing, and aided in the search for permanent housing. A special one day session was held, including presentations.

These were made by Dr. Dino Sethi, Director, Graduate Division, Ms. Nancy Young, International Student Office, John F. Andrews, President, GSA, Dr. Judy Valyo, Dean of Students Office, and others.

Semi-annual open houses. This event is an opportunity for students to and interact with other graduate students as well as an opportunity to meet professors and faculty outside of the office and classroom on a sociable and personal level.
GSA celebrated Chinese New Year with fellow Chinese students by organizing a week long festival. We had a week long art exhibition, two days skill show, Chinese food festival, and a night of cultural programs. Everyone started the new "Dragon Year" with fun.
"International Music Evening", one of the GSA Wednesday evening programs. Students enjoyed a quiet evening with a mixed flavour of Indian, Chinese, and American music.
If you think the "fog index" is something you check before departing on a road trip, then you too would have benefited from Dr. Herman Estrin's "Techniques of Thesis Writing" mini-course. For several years the Graduate Student Association has invited Dr. Estrin, Professor of English-Emeritus, to fill some of the gaps in our technical curricula. This year, over 50 students registered for the mini-course, all anxious to learn the "ins and outs" of effective technical writing and oral presentation. As we struggled to put our technical ideas and discoveries into words our colleagues (and theses advisers!) could understand, Dr. Estrin provided the answers to our grammatical woes, warned us against wearing brown suits, and taught us the effectiveness of parallel structure. "The data are . . ." he reminded us, "white space . . . more white space!" he insisted, and "listen to your thesis adviser" he forewarned, as we all listened intently.

We learned of behavioral non-verbal communication. We listened to Doc as he cited examples of American businessmen befuddled by the unexpected translations of their gestures into other languages, such as the negative Bulgarian nod and the affirmative shake. And, thanks to Doc, we understand the importance of the blue suit, the white shirt, and the expensive tie. From the "Techniques in Thesis Writing" course we have gained respect for the power of effective communication. We recognize the influence of the mono-syllabic phrase, and the importance of speech preparation and rehearsal.

We leave Dr. Estrin's course with a renewed self-confidence in ourselves. He helped instill in us an understanding of the need for clarity and simplicity in technical writing, and the significance of the first 42 seconds of an interview. Through this course we all have gained skills we would have otherwise sacrificed for technical expertise, if not for the concern of Doc Estrin and the Graduate Student Association.
As the mid-semester craze continued, suggestions of getting away from it all for a few days began to sound better and better. The GSA offered an opportunity with a Vermont ski trip. However, I had a hard time believing that the trip would be as good as advertised. How could a trip cost only $99.99 for two nights and two days lodging with two meals a day, ski lessons, and rentals, lift tickets and a bus ride up and back?

Well, I am pleased to say that the GSA trip provided all these things and more. The bus ride to Vermont allowed all of us to get acquainted with each other.

Upon arriving at the lodge, we were served a very good meal with a choice of entrees, including prime rib, chicken, fish, and veal. At breakfast we were given a choice of good food which gave us a good start for our day.
The conditions for skiing were good, I was told from the more experienced skiers, but I would have preferred the ground to be softer for falling. The ski lesson stands out as one of the funniest parts of the trip, where all of us "first time skiers" learned the proper techniques for skiing, and that our minds had no control over our bodies.

The beginners were also a never ending source of amusement with all of the "first timers" doing tricks without wanting to. Some of the nicknames given during this time were "Boss" (How To Stop), "Take No Prisoners", 360, 290, and 180. As I look back on the trip I am thankful that I chose this to be my first experience because of the good time, new friends and memories resulting from this trip. I feel sorry for those who chose to work during their spring break instead of going on this trip organized by T.V. Ravichandran, Treasurer GSA, who did a neat job. GSA, good work. The forty people who went will hopefully make this an annual event.

- Howard Scalzo.
"Graduate Students At Large"

The big guys having fun during a live performance given by the band East Coast. A couple of students were also given opportunity to sing a tune from the Beatles.
Students at the GSA sponsored PUB Night. It served as a way to alleviate the stress associated with the end of the semester. The festivities included opportunities to disco and line dance as well as to play some unusual games.

Dr. Fenster and Dr. Thomas address the questions and concerns of the growing graduate student population at a GSA sponsored open forum. With the graduate student population steadily increasing over the past years, the problems and pluses of an expanding research effort at NJIT rise proportionally, an open dialogue between graduate students and institute administration benefits all involved.

- Tim Roche.
Graduate Students

International Day, was organized by GSA on the last day of the World Week. We had cultural programs like Chinese dance, Philippine dance, Iranian dance and Indian dance. The food festival included Indian, Chinese, Philippine, Iranian, Hispanic and other country foods, and an art exhibition from different countries including a stamp exhibition by Mr. Cerrato, of Charles Stamps Shop.
The World Week concluded with a "smashing finale." Hundreds of students filled the center lounge and the gallery to see a show that featured professional dancers and otherwise from the Philippines, China, Iran, India and other countries. And if you got hungry during the show, there was even free food from a variety of countries.
Graduate Students

The event was the "End Of The Semester Bash", held on the day after exams and the semester was over- May 13, 1988. It was a perfect time and way for students to relieve their end of the semester blues. We had free food, top D.J. and mask dance party.

The program was sponsored by GSA and was the climatic and last event for the 1987-88 year. For the old and new officers of GSA, it was a time to celebrate their excitement with the old and new year as well as a way of showing their appreciation to who this organization (GSA) is all about.

- The NJIT Graduate Student Community.
Graduate Students

I row left to right
Akhtar, Muhammad, MSEE
Irvington, N.J.
Alexander, Levelle Elise Barr, MSBioE
East Orange, N.J.
Allawala, Bernabe, MSEE
Newark, N.J.
Arruza, Bernabe, MSEE
Newark, N.J.

II row
Atta, Ahson, MSME
Jersey City, N.J.
Balasubramian, V., MSCIS
Jersey City, N.J.
Basu, Tommy, MSEE
Kearny, N.J.
Baig, Mirza, MSArch
Jersey City, N.J.

III row
Baliga, Satish, PhDCheE
Kearny, N.J.
Barford, Ann, MSCIS
Fair Haven, N.J.
Benedict, Russell, MSEE
Westfield, N.J.
Bernal, Claudio, MSEE
Newark, N.J.

IV row
Bhattacharyya, Chayan, MS
Jersey City, N.J.
Bhoraniya, Chandulal, MSCE
Parsippany, N.J.
Brenker, Thomas, MSEE
Boonton, N.J.
Brutas, Emmanuel, MSME
East Orange, N.J.

V row
Buchanan, William, MSEnvE
Dayton, N.J.
Burgoyne, Daniel, MSEnvE
Carteret, N.J.
Chakrayarthi, Suresh, MSEE
Jersey City, N.J.
Chang, Chiao-Po, MS
Maywood, N.J.
I row left to right
Chang, Tsu-Chiang, MS
Kearny, N.J.
Chandrasekaran, Natesan, MSEE
Jersey City, N.J.
Cheng, Po-Wen
Kearny, N.J.
Cheng, Wen-Chung, MSOSS
Kearny, N.J.

II row
Chiang, Chih-Chung, MS
Kearny, N.J.
Chiou, Lih-Fang, MSOSS
Kearny, N.J.
Chou, Joe, MSCIS
Kearny, N.J.
Christou, Charalamos, MSEE
Newark, N.J.

III row
Conigliari, Matthew, MS
Belleville, N.J.
Dan, Yang-Young, MSEE
East Orange, N.J.
Downs, Robert, MS
Hopasong, N.J.
Flores, Alfredo, MSEE
Jersey City, N.J.

IV row
Franca, Elizabeth, MSEnvS
Elizabeth, N.J.
Gau, Yin-Rong, MSME
Kearny, N.J.
Gau, Yunchieh, MSCIS
Harrison, N.J.
Han, Sangtaek, MSOSS
Jersey City, N.J.

V row
Hayat, Roomi, MSME
Elmont, N.Y.
Hsu, MeiHong, MSCIS
Kearny, N.J.
Hsu, Peter, PhDChE
Warren, N.J.
Huang, Chih-Chi, MSME
Kearny, N.J.
Graduate Students/217

I row left to right
Iyengar, Shashikala, MSCIS
Hillside, N.J.
Jaraha, Farid,
Union, N.J.
Jaraha, Fariha, MSCIS
Union, N.J.
Jaw, Yean-Fu, MS
Harrison, N.J.

II row
Karimi, Salman, MSCE
Kearny, N.J.
Kermani, Mohammad, MSCE
East Orange, N.J.
Khan, Mohammad, MSCE
Kearny, N.J.
Khan-YousufZai, Mohammad,
MSEE
Newark, N.J.

III row
Kim, Bermjung, MSEE
Irvington, N.J.
Kim, Taehoon, MSEE
Lyndhurst, N.J.
Landes, Ricardo, MSEE
Elizabeth, N.J.

IV row
Lea, Chi-nan, MSEM
Newark, N.J.
Lebreault, Samuel, MSME
Newark, N.J.
Leong, Khat-Chuen, MSCE
Kearny, N.J.
Li, Chi-Sheng, MSCIS
Kearny, N.J.

V row
Li, Jen-Chieh, MSCIS
Kearny, N.J.
Li, Young, MSEnE
Jersey City, N.J.
Limbo, Vincent, MSEnE
Warren, N.J.
Liu Chisan, MSEnE
Harrison, N.J.
I row left to right
Lin, Ming-Huei, MSCE
Kearny, N.J.
Lin, Yung-Sunm, MSCIS
Kearny, N.J.
Liou, Che-Chen, MSME
Kearny, N.J.
Lou, Suping, MSEE
Kearny, N.J.

II row
Mackie, Terry, MSCIS
Middlesex, N.J.
McGuire, Michael, MSEE
Roselle, N.J.
Munzo, Pedro, MSCE
Newark, N.J.
Nagiarajan, Naresh, MSEM
Irvington, N.J.

III row
Naz, Waqar, MSCIS
Kearny, N.J.
Nicolaidas, Costakis, MSOSS
Astoria, N.Y.
Ning, Jianguo, MSChe
West Orange, N.J.
O’Hara, Wayne, MSCIS
Lodi, N.J.

IV row
Onwumeri, Bruno, MSIE
Bronx, N.Y.
Pachalag, Shailendra, MSME
Hazelwood, N.J.
Patel, Ajay, MSEE
Bloomfield, N.J.
Patel, Piyushkumar, MSCE
Elizabeth, N.J.

V row
Patel, Rajesh, MSEE
North Bergen, N.J.
Patel, Samir, MSEE
Hoboken, N.J.
Pathak, Bhadresh, MSEE
Passaic, N.J.
Peckman, Christopher, MSEE
Ridgewood, N.J.
I row left to right
Pen, Wen-Zug, MSEnE
Harrison, N.J.
Pons, Nolberto, MSArch
West New York, N.J.
Popp, Scott, MSCIS
Freehold, N.J.
Rahim, Muhammad, MS
Newark, N.J.

II row
Rasiah, Srinidram, MSEE
Irvington, N.J.
Rathore, Ishdev, MSEE
Edison, N.J.
Rejaei, Arfa, MSEE
Jersey City, N.J.
Ravishankar, Rajanm, MSME
Jersey City, N.J.

III row
Sachdeva, Dinesh, MSEE
Elizabeth, N.J.
Samuel, Jassie, MSArch
Jersey City, N.J.
Savanth, Kishdare, MS
Bloomfield, N.J.
Scalzo, Howard, BioMed
Clark, N.J.

IV row
Segere, Andrew, MSEE
Whippany, N.J.
Shah, Azad, MSCE
Edison, N.J.
Shah, Bimal, CIS
Elizabeth, N.J.
Shah, Fiaz, MSME
Jersey City, N.J.

V row
Shen, Youne, MSEnVE
Newark, N.J.
Shirazi, Farez, MSEE
Belleville, N.J.
Silverman, Keith, MSEM
New Brunswick, N.J.
Sirvy, Bohdan, BioMed
Cinnaminson, N.J.
I Row Left To Right
Wu Ching Chung, MSCS
Kearny, NJ.
Wu Jixiang, MSCS
Kearny, NJ.
Wu Yan, MSCChem.
Randolph, NJ.
Yang Guo-Long, MSCIS
Belleville, NJ.

II Row
Yau Mei-Ju, MSCE
Newark, NJ.
Yeh Jung-Hua, MSCE
Leonia, NJ.
Zarnegar K. Minoo, MSENV.S
Jersey City, NJ.
Zhang Jia Jing, MSEE
Harrison, NJ.

III Row
Zheng Huan, MSEE
Newark, NJ.
Zia Khalid, MSCOM.S
Ridgewood, NJ.

Soul Never Dies
- Baghavat Geetha
Graduates Paying Homage To Surender Reddy, MSCE.
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