NJIT students prove that ghosts, goblins and unusual characters are not confined to haunted houses, but can be right at home in the cafeteria.
Though New Jersey Institute of Technology has been in existence since 1881, the next few years will bring about more changes and growth than in any previous time. Working within an ambitious “Master Plan”, University officials, have developed projects and proposals that will change both literally and figuratively, the “face of NJIT”.

One of the major projects currently under way is the renovation of the first, fifth and sixth floors of Cullimore Hall. The gutting of the faculty cafeteria will make room for the addition of two lecture halls and one classroom.

Civil engineering students survey campus locals for on-site experience.

Cullimore fifth and sixth floor renovations will provide offices for math and humanities departments.

Two Steps Forward

One Step Back
Assistant Center Director Bob Moran shows dexterity with a knife as he slices and dices his way through a six foot sub at Senior Pub Night.

Long range plans will affect the campus Center, expanding its current size by 3000 square feet. The cafeteria now occupying an area sometimes disproportionate to its occupants will be enlarged and modernized.

The proposed plan to acquire the old county jail will give the University additional property for classes, residence halls, or other projects. Movement on the construction of the toxic waste center waits the selection of a contractor before work begins.

NJIT students vary from their traditional school attire to get in the spirit of Halloween. Who says engineers are conservative!

Two Steps Forward

One Step Back
Unlike Dorothy in The Wizard of Oz, these familiar steps led to tutoring services at the base of the library—where you have to be a "wizard"!

NJIT students even manage to find a beaker of water an interesting classroom event. Goldfish remains were removed prior to this photo.
Rumor has it that when a basketball player holds his pants legs down, it's time to take a “bench break”, or order longer shorts.

NJIT students take advantage of the Center's designed for comfort furniture as an alternative to the standard hard wood chair when it come to studying.

Local entertainers perform at the annual Center Christmas Party.
The pinnacle of senior year is the job search aided by the Placement Office where the students can finally see their work paying off in high salaried jobs.

T

ough classes require a majority of a student's time, there still are available to him a variety of athletic, cultural and social activities on campus. Students are first exposed to these at Miniversity, the freshman orientation.

Some organizations require selection by academic and other evaluative standards, but many are open to students who show only an interest in the activity or group selected. As the University grows in size the options available will expand as well.

NJIT freshmen get first hand (and body) experience of "the green" when they attend a talk session at Miniversity.

Two Steps Forward

One Step Back
A variety of athletic activities are available to NJIT students, from the structured to the "absurd". The annual concrete canoe race is a spring tradition with students constructing vehicles they "hope" will float!

Formal sports teams for both men and women offer students the opportunity to compete both on an intramural and interconference level, with clubs such as the ski group offering additional athletic options and trips.

NJIT students come in all sizes, and are always well dressed on the slopes.

A Highlander player feels so confident in a team victory he discusses the game outcome with some of the fans.

Two Steps Forward

One Step Back
A good time by one and all was had at the annual amateur skating night.

NJIT staff member inquires who else is going on the next ski trip.

Where's the beach??
A new home for the thousands of desks in Cullimore are now being found at the "gorgeous" King building.

Opening 10

Sorry: checks will only be issued between 2:59 and 3:01 a.m. on December 25th.
May not look like much now but this is the future home of the toxic waste center.

No pain, no gain is synonymous with the theme of this year’s book. The institute has tremendous plans involving new buildings, expansions to old buildings, and modernization of existing facilities. In order to achieve such progress, we as students must give up the already scarce parking.

NJIT is not exactly famous for its abundance of parking spaces. However, there are plans in the works for a new parking deck, allowing for more spaces assuming the land is available.

Steps forward in rain or shine must be taken in the pursuit of an engineering degree.

Two Steps Forward

One Step Back
No don't get excited, this is not a true example of the ratio of men to women at NJIT.

Movement is a must when shaping a career at NJIT. Having 90% of the students commute means that most must travel day in and day out in order to maintain their academic schedule.

Although commuting can be trying one must make the most of what's available whether it's a stopping for a pretzel on the corner or waiting for the shuttle to Penn Station. Social activities also allow the student to enjoy what precious free time they may have during their hectic day.

Two Steps Forward

One Step Back

The new Pub finds humble beginnings by operating out of a supermarket style shopping cart.

New freshman arrivals are now being shipped via Parcel service; new student awaits unpacking.
Dr. Lei takes some time to explain the fundamentals of polymer chemistry.

A packed social calendar gives students something to look forward to.

"Excuse me, can you spare a quarter for three struggling engineers?"
Regardless of the hours students still try to get last minute partying . . . I mean studying in.
Life after class does exist at NJIT even though at times it seems the day can not possibly hold all there is to do. Entertainment can be found on and off of campus to appeal to individual tastes. The Center hosts dances for various holidays and functions as well as specific activities promoted by interest groups and clubs.

Off campus activities include events sponsored by Greek organizations and taking advantage of local pubs and restaurants. Being at a university located in a large city and 20 minutes from New York City, offers unlimited possibilities for the culturally and socially minded students.

The McDonald's soda cup is put to the test at an RH II dorm party.

The pirate and his latest capture.

Two Steps Forward

One Step Back
The ground is no limit for the students at NJIT.

The Life at NJIT is something near and dear to our hearts. Whether it’s spending two dollars worth of quarters in the game room or eating a chilli dog in the Pub, it complements the time we must spend towards our academic endeavors.

From Miniversity to your last semester waiting on the registration line, NJIT campus life teaches all of us what we are really about. No amount of verbal preparation can prepare you for the rigors of finding a parking space or dealing with a difficult course. And no crystal ball can alert you to the opportunities for friendships, good times and personal growth to be found at NJIT.

Sooner or later we all find our “nitch”. We learn to observe those with more experience in order to avoid the problems and make the most of those steps we take in our college life.
The Pub at NJIT continues to be a place where students can gather to socialize or just hang out. Offering a variation on cafeteria dining, the Pub features a wide assortment of eatables as well as special menus for holidays, t.v. sports watching and major specials such as the famous lobster boil.

Pub comedy shows continue to entertain NJIT students with fresh and established talent and offers a chance for gatherings of friends.

The Pub has become such a well known location in the area that it is constantly frequented by non-campus residence and has been written up for its unique concept in area newspapers.

Mary demonstrates her two fisted drinking ability.

NJIT women receive complimentary roses for Valentines Day

The Pub provides a meeting place to get together and discuss difficult courses and dates.
Maybe if I get them to drink more they'll laugh at my jokes!
Stew, Sharon, Chris and Mike get "Metsmerized" at playoff party.

Alex thinks the pumpkin looks a lot like the girl he went out with last weekend.

Morning calisthenics are a part of the daily routine.
The Newark Hilton offers the finest accommodations to its guests especially the roaches.

The asylum said he's not dangerous.

Conrad wonders when the guys in 700 will stop partying so he can sleep or study or something.
Another happy NJIT student takes a break from the ROTC program.

Jodi, Merwin, and Rose man the "center desk" during the halloween season.

The surgeon general warns that video can be come addictive.

Fellow students use the cafeteria to catch up and get help on some last minute classwork.
The Center offers a student the chance to "put his feet up" and get in some relaxing study time.

Assistant Director of the Center Jodi Cottrell finishes us some important paperwork.

International food sales sponsored by cultural groups, can often be purchased while crossing through the Center lounge area.
New Jersey Institute of Technology has long had a reputation for excellence in its academic program. It has also been known for its intense curriculum which tests the intellectual skills of all of its students.

Selection of the proper courses with the desired professors can sometimes be the difference between graduating on time or becoming a multi-year student. Co-op opportunities give students a first hand chance to apply knowledge learned and an inside track on employment possibilities after graduation. The addition of a personal computer requirement for all incoming freshmen has added to the technical superiority of the NJIT student.

A comfortable position and angle helps in making upcoming course selections.

The use of the computer has become a necessity in order to be competitive in the engineering field.
Striving Scholars Devote Endless Hours

Students discuss a pending exam while reviewing important course notes.

Lab work provides an opportunity for direct work on textbook theories.

V.J. checks over his material before heading to class.
Food, food glorious food, especially ice cream when the weather gets warm.

The campus reflects the changes in season as leaves prove winter is not far behind.

NJIT students hike through the local countryside.

Though located in the heart of the city of Newark, and 20 minutes from New York City, NJIT still manages to have the feeling of a rural campus when you enter the central Green. The grassy area, the center of the campus, becomes a meeting and social place for students passing from building to building. During nicer weather the Green is used for Miniversity, the spring picnic and other outdoor events.

The campus property, however, continues to grow with expansion of existing buildings and the addition of new structures. Some students even attend classes at Rutgers and evenings at local Central High School. As NJIT continues to expand with the addition on the second residence hall, the toxic waste building and construction on the Gulf lot, students will find the Green a refreshing place to return to nature.

The balloon race made more spectacular by a picture-perfect day!
A couple ponders the banner at the door "Abandon all hope, ye who enter" before going in.

The Highlanders may be auditioning for a new mascot from the look of this fine feathered friend.

One always has to be careful of friends who sneak up behind you and make strange finger signs!
Stepping Out Of Character
Into The World Of “Strange”

NJIT students show a weird sense of humor as he imitates the Chinese delicacy of monkey head for dinner.

Conversation becomes a possibility when added headphones are removed.

One of the few times when “clowning around” is acceptable at NJIT.
Due to the need to arrive at campus by dawn to get a parking space and the length of class, study, and research time, students have found a solution to the sleep problem. NJIT students have converted non resting spaces into snooze environments to meet their individual needs. No Center chair is undeserving, no floor so dirty or grass so manicured as to be undesirable.

This activity is particularly popular during exam time when some undergrads could justify paying room and board for sleeping space on campus. If nothing else this “extra educational” activity shows the comfort level on campus and the dedication to getting the work done regardless of personal inconvenience.

Any port in a storm is true for this student who created a camping out atmosphere in the computer room.

Catching a few rays between classes keeps the body sound and the tan healthy.
An unsuspecting co-ed gets caught by the camera catching a few winks in the Center.

A tilt of the feet can turn a simple chair into a comfortable recliner.

This student has discovered that no bed is as comfortable as natural grass on the Common.
The windows of Tiernan reflect the beauty of a fall day on campus.

A bit of casual socializing at an NJIT party.

Editors Sharon Schmidt and Dave Bowers join Jostens yearbook rep, Bonnie Levine on the Penn State mascot, during a recent plant visit.
The distinctive structural lines of Eberhart Hall stand out with or without color.

The all-important parking space become a greater challenge in snow conditions.

This NJIT student found a pause for the camera worth being a few minutes late for class.
Life . . . Lectures, Labs, Late Night Study Sessions All Tend To Drive A Student To The Horizontal Position. Good Places For Rest And Relaxation On Campus Are As Hard To Find As Parking Spaces.
Food And An Open Bar Always Guarantees To Bring Out A Crowd At NJIT. Senate Members Take A Day Off From Studies And Duties Of Office To Play Host To Their Fellow Students.
Jeannie's friends check out her stars.
Eladio always enjoys the moment.
NJIT student security patrol
Kathy and Kelly checking the male populations
Doreen and Konrad - Senate V.P.'s
Barb and Jean work on their form
Nucleus photographers discuss the parking
A Student Needs Moments To Be Alone To Collect His Thoughts And To Put The Pressures Of Grades And Peers Into Proper Perspective.
A NJIT student heads to a meeting on campus.

Organizations at NJIT are the heart of campus life. They provide cultural as well as recreational events for the entire student body. Some organizations provide counseling, tutoring and even moral support.

Campus organizations give the college students a chance to unwind and let the stress of academic life off gradually. Without this opportunity it would be even more difficult for many of us to survive in such an educationally demanding environment.

Those individuals who head these clubs and organizations deserve our recognition and appreciation not only for their work to better campus life, but for their time and dedication to their fellow students at NJIT.
The New Jersey Institute of Technology Student Senate is an organization charged by its constitution to "remain attentive and responsive to individual" and "joint student opinion in order to promote student participation in the affairs of the institute" and also "to stimulate student activities." The Senate is comprised of representatives of each undergraduate degree-granting department.

The main purpose of the Senate is to coordinate and promote the desires and interests of the student body as a whole.
Above (L to R): Senate President Todd Russell discusses plans with Jenifer Lee, George Felix.

Below (L to R): Laura Keefer.

Above (L to R): A Senate meeting in progress.

Stop-In-Center

New Jersey Institute of Technology provides its students who need information and assistance with a program called the Stop-In-Center. The program 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, graduate school, N.J.I.T. policies and procedures etc.
Top Left (L to R): Members of the Hellenic Club playing cards.

Above: Greek culture is displayed with some traditional dance.

Far Left (L to R): A Greek Student dressed in Tradition clothing.

People at the Greek Festival getting carried away.

The Hellenic Club at New Jersey Institute of Technology is geared to promote Greek Culture on campus and to get students of Greek origin involved with student-sponsored activities, which aids in the assimilation process in the N.J.I.T. community.

The Hellenic Club organizes events that promote Greek culture and tradition, such as Greek cuisine, music and dance.


Hellenic Club I.D.
The students of N.J.I.T.‘s Audio Club are dedicated to the incorporation of high fidelity technology into this institute. This allows the students to expand their interest in music and in audio equipment.

Besides advising the public audio equipment, the Audio Club also offers a free taping service for students, faculty, and fellowship organizations.


(Center Picture: The W.J.T.B. members are cool on the air and at the bar.)

(Far Right: Evan finds time during his radio show to pose.)


W.J.T.B. is the New Jersey Institute of Technology’s very own radio station. It’s main purpose is to provide the N.J.I.T. student with entertainment. It plays primarily rock and jazz and also offers items of public information.

The Station runs on a regional, unassigned frequency of 550 KHZ in the carrier mode and covers the N.J.I.T. community in general.
The Student Activities Council is the largest student-sponsored social organization on campus. It provides many cultural, social and recreational activities. S.A.C. is composed of six committees which present mixers, films, trips, lectures and other special events during the day, at night and on weekends.

The Outing and Ski Club are concerned with a popular topic which most students study during their engineering careers. This is the common physical phenomenon commonly known as gravity. A dedicated group of students study this concept by making distant trips to high mountains.

Besides skiing, the club's other outdoor activities include back packing, camping, canoeing, bicycling, sailing and rock climbing. The club provides most of the necessary equipment.
The Association of Indian Students dedicates itself to uplifting the educational level of Indian Students and thereby motivates them to pursue a technological career. In addition, A.I.S. offers Indian students assistance in the adjustment process to a new campus environment.

This organization also sponsors recreational, cultural (such as the "Navaratri" dance) and social activities, both for its members as well for the N.J.I.T. community in an effort to bring into focus to everyone the culture, language, and the customs of Indian students.
And they danced all evening at Caribbean night.

Michelle Reid and Tammy Canzius take a rest from all the activity.

(L to R): Hans Tanis and Tammy Canzius take time out for their picture.

(C.A.R.I.B.S.O.)

The Carribean Student Organization was formed in the fall of 1975 and has grown both in membership and popularity. The club's primary goal is to provide an atmosphere where students from the Carribean can learn and develop an educational, cultural and social environment conductive to survival on campus and in the working world.

The club puts on two major events each year, the Cultural Week, held in April and the Caribbean Night, in December, which are always very successful.

The Caribso members included (L to R): Lanford Peart, Michelle Reid, Donald Graham, Hans Tanis, Homer Rutty, Clifford Samuels. Missing from picture are: Dion Johnstone, John Atkins, Tammy Canzius, Simone Tuesday, James Frazilus.
H.O.S.T

H.O.S.T, which stands for Hispanic Organization of Students in Technology, is geared towards motivating Hispanic Students on campus to retain their technological interests. The club also helps their members to adjust to this multi-cultural society by interacting with other organizations of distinct cultural background. The club provides professional, cultural, and social activities that bring into focus the culture, language and customs of Hispanics.
Frank Valesquez displays some Spanish cuisine.

Pedro Tomas practicing for the Big Event.

Frank Valesquez has found a new throne.

(L to R) Ralph Negron (V.P.), Celso Alvardo (Pres) and Robert Pino (Public Relations) discuss plans for a third party in one week.
The young table tennis team at N.J.I.T proved already that they can be champions in only three years. William "Bill" Redd, the director of the team, made sure they practiced every Wednesday at 2:30 sharp. The year was a triumphant one and the real excitement came when the team dominated the Princeton Fall Open at Princeton University, in an open tennis tournament with six team members obtaining a first place finish in as many events.

(top) Team Director, 'Bill' Redd, poses for a picture as the N.J.I.T. security force looks on.

(middle) A typical view in the game room, as all the Ping-Pong tables are taken.

(right) 'Take that you ball' as a player returns the serve.

The team members are (seated, L-R) Vish Ramamurthy, Samir Chokshi, Barrington Sharpe, (standing, L-R) Aslangjui Si, Samir Vrij, Atul Shah, Bill Ford, Dinesh Sardan, Horace Chase, Hung Ly.
The members of M.U.G. listen intently to all the latest information on computers.

Members (L-R) Jim Ruskowsky, Tom Higgins, and Ed Kiet Linski answer questions at a meeting.

This year the club officers included (L-R) Ed Kiet Linski (Pres.), Jim Ruskowsky (Vice Pres.).

M.U.G.

M.U.G, at N.J.I.T, stands for Micro User Group. This organization consists of Students and faculty members who meet to serve various problems concerning the computers out on the market today. The club provides information on the latest in computing and they also sell disks at discount prices.

The Amateur Radio Club at N.J.I.T goes under the code name K2MFF. The club's main purpose is to promote an interest in amateur radio among the students on campus and to further their knowledge of its methods and principles.

K2MFF provides a wide variety of equipment and can assist students in acquiring a radio license.

Club I.D. for K2MFF
K2MFF members are, front row (L to R): John Allen, Edward Rogacki (KA2PFM), David Citer, Walter Caldwell. Second Row (L to R): John Romansky, Thomas Brown (KAZRRR), Chris Peckham, Jim Stanski (KC2XW), Ken Christensen, Vincent Spena (N2GIO) and Bill Nichols.

The V.S.A. members for 1987 included First Row (L to R): Annie La, Ha Ha Nguyen. Second Row (L to R): Bich Ngo, Duc Uong, Alleen La, Lana Maria La, Leanne Bang. Third Row (L to R): Duc Van, Trung La, Duc Le, Hai Vu, Ha Vu, Cu Hung, Gary Son Mai, Viet Tram, Lam Tran, Minh Vu.

V.S.A
V.S.A at NJIT stands for Vietnamese Student Association. It is dedicated to promoting an understanding of Vietnamese culture among the NJIT community. It also helps Vietnamese foreign students adjust to their environment. They provide the NJIT community with a wide variety of cultural programs.
B.A.S.E

The Black Association of Student Engineers is open to all students. Its primary purpose is to supplement educational aspects of college life with an emphasis on the social and cultural needs of black students.

The club holds a B.A.S.E membership drive, a Lip Sync contest and has a Christmas party.

This year's members included:
Front (L to R): Felicia Bateman, William Register, Cheryl McCaskill, Garry Phillips, Tina Carter.
Back Row (L to R): Donald Banton, Kenneth Rudolph, Mashanda Hofler, Ozzie Williams, Kelly Willoughby, Barry Murray, Diana Ivery.

Far Left: Tina Carter poses for her picture.
Left: We are just one big happy family.
Club Picture: A small amount of members for the year but still carried on.

C.F.O

The goal of N.J.I.T. Christian Fellowship is to remain faithful to God’s word and to share it with others. Two Bible study periods are held each week in which members are encouraged to read one another the Bible and to take its meaning seriously. The word of the Gospel has been spread at a book table in the Center in which free literature is distributed.
The dub members are (L-R) Gabrielle Tidaback, Matt Grubel, Cris Kounouklos, Bob Zotti, John Salm, Mark Bros, Jim Mc Goldrick, and Mike Burke.

Editor-In-Chief Mark Bros, offers Advice to members of the Vector staff.

Vector

The Vector 'With Magnitude and Direction' is the student's weekly source of news. Providing on and off campus stories, sports, entertainment and editorials. The Vector staff plays an important role on campus. They are willing to print any submitted material and they thrive on controversy. The weekly school newspaper is always a sell-out on Friday.

The club members are (L-R) Gabrielle Tidaback, Matt Grubel, Cris Kounouklos, Bob Zotti, John Salm, Mark Bros, Jim Mc Goldrick, and Mike Burke.
Club member Acton Yip points out that the Halloween spirit has gone to Fu-Ho Lee's head.

"OKAY GUYS. AFTER ME, ROW ROW ROW YOUR BOAT . . ."

The Chinese Student Association is dedicated to promote an understanding of Chinese culture among the N.J.I.T community, and help Chinese foreign students to adjust to their environment. The functions of this year included a welcome party, a Halloween party, movies, lectures, food sales, concerts, picnics, a new year banquet, an art exhibition, and a graduation party.

C.S.A. members provide a traditional Chinese lunch.
The 1987 Nucleus was produced under a different leadership format than in the past. The staff was lead by three editors: Dave Bowers, Sharon Schmidt, and Linda Fortier, each with a unique editorial responsibility. The multi-leader approach helped in decision making, allowed more work to be accomplished and finer quality.

The yearbook can be thought of as a team effort. Each section of the book was controlled by an individual editor under the supervision of the tri-editors, Jostens yearbook representative Bonnie Levine and advisor Bob Moran. Antoinette Kellet coordinated the Honor Society section, making numerous appointments with the groups involved. Sharon Schmidt handled the Greek section, with David Bowers working on the opening and closing portions, the Life section and the sectional dividers. Linda Fortier gathered material for the Administration with the assistance of Bob Moran, and Senior Class President Eladio Ruiz undertook the monumental task of coordinating the Senior section. Sunil Kavi ably took over the task as Sports Editor and David Abrahams and Trushar Sheth with the Organizations unit included more groups than ever before in a Nucleus. This year as a first the graduate students are included in the yearbook and this was handled by Ravi Chandran. Needless to say the Nucleus effort could not have been completed without the hard work of our photography staff led by Andrew Wong and the assistance of Carl Wolfe Studios.
The Nucleus Staff

Top Row: (l to r) Neils Swartz, Sunil Ravi and Dave Bowers play the "Three Muscathers". Jose the staff cartoonist. Dave Abrahams, Bonnie and Sharon Schmidt relax in the yearbook office.

Middle Row: (l to r) Linda Fortier and Vassilios Vassiladis formed a team on the administration section. Trushar and Dave looking dapper for the camera. Two of the editors in a relaxing moment.

Bottom: (l to r) Eladio, Andrew and Antoinette show some yearbook teamwork. Sharon, Eladio, Andrew and Bonnie prepare to become immortal.
A Step Back

From the adjunct professors to the President, NJIT boasts a staff of instructors and administrators dedicated to the institute and its students. All strive to preserve and increase the accreditation and prestige of our school through research, innovation, and above all, by graduating learned men and women.

The instructors' accomplishments are many, including awards, research grants and published works. Many professors provide students with jobs, helping with experiments, computer programing and research. Some members of the faculty give of their time advising and promoting student activities.

The NJIT staff supply their students with practical knowledge and discipline: an excellent education with which to step into the professional world.

Two Steps Forward

One Step Back
Dr. Saul Fenster, President

Top: Dr. Fenster acknowledging a staff member at an awards ceremony. Middle: Dr. Fenster spreading the accomplishments of New Jersey Institute of Technology. Bottom: Dr. and Mrs. Fenster attending the spring dinner dance.
I am delighted once again to offer my congratulations to this year's graduates. The class of 1987 has been at NJIT during a truly exciting time in the history of this institution. Your years here have seen important changes of which we can all be proud.

When Governor Kean challenged NJIT two years ago "to take its place among the nation's premier comprehensive technological universities," he was recognizing significant progress made by this fine university over the previous decade, as well as our potential to reach new levels of excellence.

We are responding with considerable success to that challenge. Outstanding new faculty have been added to an already strong corps of existing faculty, research support has grown significantly and new academic programs have been introduced. Applied Chemistry, Computer Science and Information Processing Systems, Manufacturing Engineering and Applied Physics are just a few of the programs added in the last several years. In addition, the Honors Program was established and the Coop Education Program expanded, offering an even greater array of options to our students.

There continue to be major changes made in the physical environment. Campus development has been occurring at a record pace. Recent construction projects include the Mechanical Engineering Center, Residence Hall II, a new ventilation system in Tiernan Hall and major renovations within Eberhardt, Campbell, Cullimore, Colton and Weston Halls, and the Hazell Center. And ground was just broken for the Advanced Technology Center in Hazardous and Toxic Substance Management, a facility that will benefit all New Jerseyans.

We have spoken often of the broad and profound impact on your education of our move to become a computer intensive campus. Most important has been the decision to distribute microcomputers to all full-time, first-time freshmen, a unique step among public institutions. On-campus computing power has also been significantly enhanced. Microcomputer laboratories were established; powerful mainframes and minicomputers purchased, upgraded and networked; the inventory of terminals greatly expanded; and campus-wide networking improved. The overall effect of these changes has been to increase speed, memory, storage, access and print capabilities. Other computer-related progress has included a growing and impressive array of CAD/CAM acquisitions and the designation of NJIT as the site of the Newark Remote Access Node of the John Von Neumann Advanced Scientific Computer Center.

Just as the university has grown and developed, so has each one of you. You have had the benefit of NJIT's many recent innovations and should enter the next phase of your life well prepared. In turn, many of you have given to the university as much as you have received. Your academic, social and professional contributions to the NJIT community are recognized, and your accomplishments are a source of enormous pride to us all.

I share your eagerness and anticipation as you move on, and know that the professional challenges you face in the years ahead will be met with confidence and a good measure of success. May your NJIT education serve you well, and may you find fulfillment in all that life has to offer.

Saul K. Fenster
President
Dr. Gary Thomas
V.P. of Academic Affairs

Bottom: Dr. Thomas discusses faculty proposals. Middle: Dr. Thomas discusses new degree programs. Top: Dr. Thomas addresses the graduates.
Lower Left: Arlene Gilbert, V.P. of Development

Middle: Henry Mauermeyer, V.P. of Budget and Finance

Upper Right: William Glover, V.P. of Operations
Bottom: Dr. George Pincus, Dean Newark College of Engineering presents student awards.

Middle: Dr. Dorthy Levy, Dean College of Science and Liberal Arts compares program offerings.

Top: Sanford Greenfield, Dean School of Architecture
Dr. Constance Murray
Dean of Students

Bottom: Dean Murray addresses some honor students. Middle: Dean Murray presides over graduation. Top: Dean Murray checks her notes at a faculty meeting.
THE DEAN OF STUDENTS

Bottom Left: Dean Ray Boxer, Associate Dean of Students, observes closing ceremonies at graduation with John Schmidt.

Middle: Dr. Judy Valyo, Associate Dean of Students, helps senior Sue Hruby with final preparation for graduation.

Top Right: Dean Ray Boxer, Associate Dean of Students.
THE PLACEMENT OFFICE

Bottom: Sandy Schocket, Assistant Director of Placement discusses opportunities in architecture.

Middle: John Schmidt, Director of Placement, reviews employment opportunities.

Top: Larry Young, Assistant Director of Placement, helps a student check out a prospective employer.
Bottom: Esteban Gomes, Student EMT. "Does anybody need assistance?"

Middle: Sharon Bosay, Coordinator Health Service. "Sorry the Doctor's not in."

Top: Bob Lazar, Staff EMT. "There are more patients!"
Bottom: Kevin Hughes, Assistant Director of Surveying RH II.

Middle: Maureen Furlong-Weber, Director of Residence, awaits the surge of incoming students.

Top: Janet Riley, Office Supervisor, checks the files looking for vacancies.
The Hazel Center

Top Left: Jodie Cottrel, Associate Director-Operation. "Where is my telephone?"

Bottom Left: Dottie Wright-Office Staff, and Bill Redd-Recreational Director.

Middle: Robert Moran, Associate Director-Student Activities, reviewing upcoming events.

Top Right: Gloria Phipps, Reservationist. "I am sorry we don't book office space."
The Center bid farewell to two of its most popular figures:

Rose DelVechio - Center Desk Supervisor and Merwin Kinkade - Director of the Center and Activities.
NJIT's Third College includes an Air Force ROTC program which grants to students a commission as a second lieutenant upon graduating. The prospective students take Aerospace Studies courses along with their selected curriculum to prepare them for their responsibilities as officers. The Air Force requires four to seven years of active duty depending upon the selected specialty.

NJIT provides an excellent stepping stone!
The School of Architecture awards a Bachelor of Architecture degree to students upon completion of their five-year program of study. The first year focuses on people and their environments. The following years cover a professional architectural curriculum. Graduates are well prepared for apprenticeship and state licensing.

NJIT provides an excellent steppingstone!
The faculty members of this department instruct in the three related fields: Chemical Engineering, Chemistry, and Environmental Science. Varied experience is considerable, supporting many specializations. The professors prepare their students with a superior education with which to enter industry or to use as the basis for future studies in medicine and law.

NJIT provides an excellent steppingstone!
Active engineers help make up this department, enlightening students with the benefit of their experience. The curriculum begins with general subjects leading to the student's choice of specialization. Students may choose to pursue a career in Civil, Environmental, Transportation, Structural, Foundation, or Construction Engineering.

NJIT provides an excellent stepping stone!
Every academic program at NJIT includes course work with the Computer and Information Science (CIS) department on a small or oftentimes large scale. The Institute's computing facilities continue to grow in our era, the Computer Age. The CIS department offers both a Bachelor of Arts degree (applications) and a Bachelor of Science degree (technical aspects).

NJIT provides an excellent steppingstone!
Most of the Electrical Engineering department faculty have extensive industrial and teaching experience and are actively involved with research projects. Their curriculum consists of a demanding foundation of electrical fundamentals, followed by an array of courses leading to specialization in areas of Communications, Computers, Control or Power Engineering. Most graduates enter their profession immediately; however, some continue studying in electrical engineering or in programs such as biomedical engineering, mathematics or medicine. NJIT provides an excellent steppingstone!
Courses in English, history, literature, philosophy, and the arts are all administered by the Humanities department faculty. Being able to communicate both orally and in writing what one has learned in his professional studies is strongly emphasized by all academic programs. All majors require some groundwork and electives in the humanities allowing for a well rounded education.

NJIT provides an excellent steppingstone!
The Industrial Engineering (IE) department employs professionally active instructors who share valuable field experience with their students. The curriculum includes courses in management, design, and work and cost analyses. Professors furnish problem situations in commercial or public service areas for their students to study and solve. Graduates may directly enter industry or management, or continue studying IE, business, or law.

NJIT provides an excellent steppingstone!
Building the basics for all of NJIT's programs is proficiently executed by the Mathematics department. In elective courses professors help students develop the mathematical skills necessary to the various majors. This department also administers programs of study in Actuarial Science, Statistics, and Applied Mathematics.

NJIT provides an excellent steppingstone!
The professors are hard at work in their new, superbly equipped, Mechanical Engineering facility. Energy efficiency is among the matters being studied, examined and developed by instructors and their students. This department provides their graduates with a broad range of opportunities in mechanical engineering, other engineering disciplines, industrial fields, and relevant professions such as medicine, law, and management.

NJIT provides an excellent steppingstone!
Management, finance, law, government, and the economy are all subjects explored by the faculty of the Organizational and Social Sciences department. Through the instructors, students gain a better understanding of society and of themselves, enabling them to grow as individuals. The professors help prepare their students for interrelationships in both the business world and in their personal lives.

NJIT provides an excellent steppingstone!

The majority of NJIT's programs require some study in physics. A few academic majors depend heavily on the strong background the Physics department faculty provides. Also taught by this department's professors are courses in Materials Science and Nuclear Engineering. Graduate students are employed as teaching assistants to aid instructors with laboratory work and with homework and test grading.

NJIT provides an excellent steppingstone!
Academic Recognition is a goal of students at NJIT.

A Step Back

Professional societies and honor societies are a vital part of student life at NJIT.

Professional societies provide an opportunity for students to interact with faculty and professionals through the aid of plant trips, guest lectures, seminars, and literature that discusses pertinent topics of interest. In addition, professional societies sponsor feedback meetings to discuss factors that impact their department.

NJIT honor societies recognize those students who have displayed outstanding abilities or interest in the areas of academics, leadership, and/or campus involvement.

Two Steps Forward

One Step Back
What a professional!

Dr. Suebsak Nanthavanij, advisor, and the industrious members of the IIE.

Institute of Industrial Engineers

The IIE, the professional society for industrial engineers, was founded in 1948. The society directs its efforts towards developing the technical and managerial talents of its membership. Through the IIE, students can gain and maintain that competitive edge which is needed to get ahead and stay ahead in the field of engineering. IIE membership is open to all industrial engineering students.
Society of Manufacturing Engineers

SME serves as the parent society of three special groups: CA-SA/SME, AFP/SME, and RI/SME. SME follows trends, developments, and changes in manufacturing, and channels the information to its members.

The 1986-87 year was busy for the NJIT chapter. SME activities included technical tours of local manufacturing facilities and chapter meetings which informed students of technological advances in the rapidly changing field of robotics, CAD/CAM technology and similar automation techniques needed in today's competitive market.

Chapter officers include:
Chapter Chairman - Jason Farrell
vice-Chairman - Igor Bystrychy
Treasurer - Mike Peters
Secretary - David Chung
Student Retention Chairman - Pat Burke
Student Recruitment Chairman - Richard Smock
Advisor - Prof. Joseph Kopf
American Chemical Society

The ACS is a source of information and support for students in chemical sciences. At the society's monthly meetings, different chemistry related topics are presented. Field trips, social events and contests are other activities the ACS sponsors. A monthly newspaper, "The Reactor", is published through the combined efforts of the following ACS officers:

President - Daniel Tartaglia
V.P. - Sal Brucato
Treasurer - Vahib Hojreh
Secretary - Vivianne Rodriguez
Editor - Scott Brenner
American Institute of Chemical Engineers

The AIChE is a professional organization with nationwide membership. The 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 where various speakers from industry share their insights and experience with members of the chapter. AIChE also conducts plant trips throughout the year for anyone interested in seeing chemical or chemical related facilities in our area. On an informal note, AIChE holds several social events including a Christmas party, a spring picnic, and an awards banquet. The NJIT chapter has won an unprecedented 16 consecutive outstanding chapter awards. 1986-87 officers are:

President - Tibor Pavleszek
V.P. - Roman Pazdro
Secretary - Paul Gross
Treasurer - Orlando Rodrigues
What a professional!

(right) Before setting their sights for the future, s2c2 members build strong foundations by knowing the basics.

(above) The numerous members of s2c2 try to take part in all activities.

Student Society of Construction and Contractors

The student society of construction and contractors sponsor site trips, invite guest lectures to speak at society meetings, and send representatives to the national convention. In addition to these activities s2c2 and the building contractors association of New Jersey sponsor a summer work program. Students gain experience in their field and earn money for tuition through this program.
Society for the Advancement of Management

The mission of SAM is to assist in furthering the practice of professional management through the interaction of students, faculty and operating managers. The society provides an opportunity for its members to discuss actual business practices with professional managers through such activities as guest speakers, plant tours and educational seminars. SAM officers for 1987 are:

President - Jose L. Negron
Exec. V.P. - Nancy Hubscher
V.P. of Programs - Cindy Schneider
V.P. of National Publications & Services - Lidia Romero
V.P. of Promotions - Natalia Slepoz
V.P. of Membership - Bernard Washington
Treasurer - Peter Parelli
Secretary - Joseph Meehan

(right) Pictured: Prof. AlBright, advisor; Jose, Nancy, Cindy, and Lidia
What a professional!

Society of Women Engineers

SWE is a professional society for women scientists and engineers. Monthly meetings and annual student nights provide an opportunity for coeds and professional women engineers to share knowledge and experiences. The society is a base for building networks which many women students may find to be of great assistance during their professional careers. This year's officers are:

President - Maureen P. Gelpke
V.P. - Denise Novembre
Treasurer - Karen Giust
Secretary - Maria Allen

(above) SWE officers Karen, Maureen, and Maria (Denise not pictured)
Association of Computing Machinery

ACM is a professional society dedicated to the development of information processing as a discipline. Promoting a greater interest in computing and its applications as well as providing a means of communication between persons having an interest in computing is the main purpose of the society. ACM sponsors guest lectures to speak at on various topics and showns films of both technical and nontecnical nature at society group meetings. Membership is open to students in CIS and engineering fields.
American Nuclear Society

The ANS, founded in 1954, is an international organization of engineers and scientists dedicated to the advancement of nuclear engineering and science. Some of the main objectives of the society include: encouragement of research, dissemination of information, establishment of scholarships, and integration of management and scientific disciplines associated with nuclear technology.

All students enrolled in an approved engineering or scientific curriculum are encouraged to join ANS. ANS members have the opportunity to attend lectures, student conferences, and visit nuclear power plants.

1986-87 officers:
President - Timothy Finan
V.P. - John Pecca
Treasurer - Gerald Holmes
Secretary - Greg Lutchko
Advisor - Dr. Ben Stevenson
Institute of Electrical and Electronics Engineering

IEEE is the world's largest professional engineering society, founded in 1884. Its main purposes are directed toward the advancement of the theory and practice of electrical engineering, electronics, computer engineering and computer sciences with the publication and circulation of works of literature, science and art pertaining thereto.

IEEE strives to enhance the quality of life for all people throughout the world by promoting the understanding of the influence of technology on the public welfare.

Participation in the NJIT student chapter offers leadership experience and activities such as employment and technical seminars, given by companies that recruit on campus, and various field trips to places of technical interest. This year's officers are:

President - Chris Peckman
V.P. - Richard Merkle
Treasurer - Marisa Fazio
Adm. Secretary - Joseph Antonucci
Rec. Secretary - Elizabeth Eng
Senior Representative - Laurel
EET Representative - Joseph Grasso, Ralph Turri

IEEE members advance their knowledge of electrical engineering through practical application.
American Society of Civil Engineers

ASCE, the professional society for civil engineers, was founded in 1852. The purpose of the society is to promote professionalism and interest in civil engineering. ASCE sponsors field trips, the “Concrete Canoe Race” and holds bi-weekly meetings at which guest speakers from industry lecture.
ENGINEER'S CREED

As a Professional Engineer, I dedicate my professional knowledge and skill to the advancement and betterment of human welfare.

I pledge:
To give the utmost performance;
To participate in none but honest enterprise;
To live and work according to the laws of man and the highest standards of professional conduct;
To place service before profit, the honor and standing of the profession before personal advantage, and the public welfare above all other considerations.

In humility and with need for Divine Guidance, I make this pledge.
Omega Chi Epsilon

Omega Chi Epsilon is the National Chemical Engineering Honor Society. It serves undergraduate and graduate students in the Chemical Engineering Department. It was founded in 1931 at the University of Illinois by a group of juniors and seniors who displayed academic excellence and leadership in chemical engineering. The Eta Chapter was formed at NJIT in 1957. This years officers are:

President - Monika Kugler
V.P. - Edmund Grillo
Secretary - Barbara Falisiewicz
Treasurer - Doug Milanes
Tau Beta Pi

Tau Beta Pi, the National Engineering Honor Society, was established in 1885 by Dr. Edward H. Williams, Jr. The purpose of the society 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 membership is open to students of engineering in their junior and senior year who are in the top eighth and top fifth of their class respectively. Engineering graduate students, alumni and faculty members may also apply for membership.

This year’s officers are:
President - Andrea Smith
V.P. - Lise Miller
Rec. Secretary - James Livolsi
Treasurer - Philomena J. Muniz
Catologer - Michael F. CiarameLLA
Advisor - John Craig

(above) The Bent, dedicated to the engineers of the future, is the symbol of Tau Beta Pi.

(left) Tau Beta Pi Fall Initiation ceremony
Chi Epsilon

Chi Epsilon, the National Civil Engineering Honor Society, members must be civil engineers with junior or senior standing, and be among the top 1/3 of the class. The purpose of the society is to place a mark of distinction upon the student of civil engineering who exemplifies the four traits of the successful engineer, the cornerstones upon which XE is founded: scholarship, character, practicality, and sociability. It is the responsibility of the NJIT chapter to support the ASCE Student Chapter, adopt service projects and maintain areas of historic significance to civil engineers. This year’s officers are:

President - Brain Bajor
V.P. - Chritian Herencia
Secretary - Micheal Quinlan
Treasurer - Ernest Larrazabal
Marshall: Lisa Leary
Omicron Delta Kappa

Omicron Delta Kappa, the National Leadership Honor Society, recognizes outstanding juniors and seniors that are in the top 35% of the class and are outstanding in one or more of the following areas: academics, athletics, collegiate student government, and social service. ODK initiates pledges in the Fall and Spring semester. In addition to initiation, the society sponsors an annual leadership conference and President’s Luncheon. At the President’s Luncheon, ODK presents the Outstanding Sophomore and Senior Award. The society usually ends its year with a the annual Graduation Tailgate Party at the Garden State Art Center.

(left) Thirteen (13) pledges were initiated at ODK’s Fall ceremony.

(left) New and old ODK members at Fall initiation.
With honors!

(above) Alpha Pi Mu’s President, Daniel; Treasurer, Karen; and V.P., Rich W.

Alpha Pi Mu

The purpose of Alpha Pi Mu, the industrial engineering honor society, is to honor those IE students who have shown exceptional academic abilities and interest in the field of industrial engineering. Membership is open to those students ranked in the upper one-fifth of the junior class or in the upper one-third of the senior class. The society provides a common ground for students and leaders in the field of IE to exchange ideas. This year’s officers are:

President - Daniel Ravelo
V.P. - Rich Wolyn
Treasurer - Karen Guist
Rec. Secretary - Joan Boland
Corr. Secretary - Rich Ungerleider

(above and right) Upsilon Pi Epsilon encourages students to further their computer knowledge through the sharing of information . . .

... and actual computer application.
Upsilon Pi Epsilon

Upsilon Pi Epsilon is the computer science honor society. Students are nominated to join by the professors of the CIS department. The society is open to the top students in their junior or senior year.
With honors!

Pi Tau Sigma

The Tau Theta chapter of Pi Tau Sigma is the mechanical engineering honor society of NJIT. The society accepts ME students that have obtained a grade point average of 3.00 or better. Pi Tau Sigma recognizes and assists students in cultivating those qualities which are needed in order to obtain true success in life. The society measures success as a combination of the goals an individual achieves and the contributions an individual makes to society during their life time. This year’s officers are:

President - Stephan Kusik
V.P. - Timothy Finan
Secretary - Glenn Stefaniak
Treasurer - Dave Kuchta
Advisor - Dean Ed Miller

(below) A few of Pi Tau Sigma’s members and Dean Ed Miller, advisor.
Eta Kappa Nu

Eta Kappa Nu, the national electrical engineering honor society, recognizes outstanding EE students. The society sponsors lectures and plant tours to such companies as IBM, H.P., Bendix, and RCA. EE students are eligible if they rank in the upper fourth of the junior class or in the upper third of the senior class. However, since membership participation determines the success of the chapter’s activities, scholastic achievement is not the only requirement for membership. A large faculty membership enables Eta Kappa Nu to serve as a channel of communication between students and professors.
The renewal of Greek Week at NJIT proved to be a great success.

A Step Back

Fraternal organizations are an integral part of the NJIT environment. They not only provide for new friends, but also for outlets for personal growth. The brothers and sisters are involved in community activities, intramural as well as IFC sports, and encourage high academics and leadership qualities.

Fraternities and sorority provide students with study aids and sometimes even valuable links with industry. Past graduates involved in the “greek” system continue to be some of the strongest financial contributors to the university.

Two Steps Forward

One Step Back
Sigma Pi is one of the largest fraternities on campus. It's brotherhood includes members from all over the globe. The Alpha Mu chapter has tried to live up to the high standards of scholarship, leadership, and brotherhood set by its founders.

Sigma Pi competes in all IFSC athletics and always fares well. The house holds nine championships in the past twelve years.

Alpha Sigma Phi is one of the newest fraternities on campus, although it was founded in 1907. Originally the brotherhood was local until it became the Alpha chapter of Alpha Kappa Phi, a small national fraternity in 1921. Alpha Kappa Phi then merged with Alpha Sigma Phi, a fraternity founded at Yale in 1845 and the Alpha Rho chapter came into its own. The chapter was dormant for quite some time but came back in full force to the membership it boasts today.

Are we having fun yet? A typical gathering at Sigma Pi fraternity.
Be Greek

The humble abode of the Alpha Sigma Phi brothers.

(Above left) Alpha Sigma Phi members manage to smile even though they're "tapped out".

Tell the loan shark that I'll pay Tony Tuesday.
John Kerekes puts his best face forward.
Where are the women? Guess the advertising didn't pay off guys.

(Above) Alb getting down on the infamous Pi Kap dance floor.

(Above) Pi Kappa Phi brothers ponder what they can do to their pledges next.

Tau Epsilon Phi brothers are always in "peace".

(Above) Alb getting down on the infamous Pi Kap dance floor.
The brotherhood of Tau Epsilon Phi is 40 members strong. The house competes in all IFSC sports and is also involved on campus. All the members like to show they’re hospitality and frequently hold parties. The members believe in friendship and hold a strong bond with one another. They hope to continue to increase their brotherhood and activities.

Pi kappa Phi is known for its immense and close knit brotherhood. The members are involved in many extracurricular activities and also excel academically. The fraternity has been in existence since 1948 and hopes to keep going strong for many years to come.

Mike gives “high five” to party guests.
Alpha Sigma Tau was first founded in 1899 at Michigan State Normal College. The Beta Upsilon chapter at NJIT was initiated in April 1983. The sisters are very active in all campus activities and enjoy being involved with the fraternities in IFSC events. The highlight of this year was the see-saw marathon which the sorority co-sponsored with Alpha Sigma Phi fraternity. Alpha Sigma Tau is also psyched about competing in the Greek Olympics for the first time.

The sisters of Alpha Sigma Tau are a small group who rely on one another for just about everything. Presently the membership is 20 sisters strong with hopes of growing much larger. Several of the founding and first pledge classes are graduating and should be thanked for their support: Sue Hruby, Monika Kugler, Maria Lorente, Regina Rygelis and Sharon Schmidt.

Say cheese! Sisters soak in the sun on the green.
Monika and Sharon show off their letters.

(Above) The sisters of Alpha Sigma Tau are definitely not camera shy.

The sorority trying out for an ivory snow commercial.

(Above) Eva plays Farmer Brown with Pete during the first annual see-saw marathon.
Theta Chi men are always surrounded by beautiful women?

(Above) Andy plays chaperone at one of the many bashes.

Look out below! Funny what people will do after a few beers.

(Above) Tau Kappa Epsilon brothers party the night away.
Tau Kappa Epsilon is one of the biggest national fraternities. The chapter at NJIT follows that trend and is actively involved in campus and community affairs. Besides participating with other NJIT fraternities, the brotherhood is lucky to have a Newark Rutgers chapter close by to share good times. Whether it's work or play Tau Kappa Epsilon always has fun.

The Epsilon Psi chapter of Theta Chi is known for its wild parties especially the Buffalo Brew Bash. On the serious side the brothers strive for excellence in academics and athletics and pride themselves on their accomplishments. The chapter recently bought a new house and are presently involved in the renovation and hope to show it off soon.

Don is forced to put on his baby face for the camera.
Tau Delta Phi is a very active fraternity that strives for academic and athletic excellence. This year the brotherhood won the coveted IFC Football championship and led the fraternity pack in other sports as well. The house unwinds by holding great parties that are long remembered by all those who attend.

Kappa Xi Kappa is a local fraternity that enjoys the freedom to hold a variety of events such as canoe trips, camping excursions, and unusual parties. One of their most famous bashes is the beach party when the house is turned into the Jersey shore. The fraternity spares no expense and even has sand dumped in the basement. Besides socializing, Kappa Xi Kappa brothers like helping out the NJIT community and one another.

One wrong move and I'll dump this pitcher all over you!
The Kappa Xi Kappa grand estate.

(Above) The brothers of Kappa Xi Kappa get a little bit closer.

Tau Delta Phi brothers party in to the wee hours of the night which will make even the smallest job difficult the next day.

(Above) Steve wonders when Moose will stop lurking in the shadows of him and his female companion.
Boo thinks the MAX TAX party is tubular.

(Above) Tom attempts to squeeze Wally out of the picture so he can have this beautiful girl to himself.

Jerry looks "larger-than-life" when standing next to Mihn.

(Above) The brothers of Tau Lambda Chi are more affectionately known as TAX MEN.
Tau Lambda Chi fraternity was founded here at NJIT in 1963. The brotherhood now has 42 members, the largest since its inception. The brothers pride themselves on their unity and loyalty to one another. Tau Lambda Chis have diverse interests and participate in many campus, community and IFSC activities. The brothers are always on top scholastically and athletically and like competing with other houses on campus. This year TAX captured the IFC basketball championship by defeating Sigma Pi in the final game.

TAX brothers behind the bar meet guests with a smile.
Softball proves to be a "big hit" at NJIT.

As at most colleges around the nation, athletics at NJIT is an important factor in student development.

The intercollegiate sports program at NJIT offers an outlet for students wishing to compete against other institutions in volleyball, basketball, soccer, baseball and softball. These sports activities whether at our home facility or at an away game, bring out a local group of fans to further encourage the NJIT athlete. For those students looking for a less demanding practice and travel schedule, the intramural sports program is available.

As the university grows in size and stature, the athletic program as well shows the "steps forward" being made at NJIT.
Men's Basketball

Through the hoop

New Jersey Tech’s Basketball team, the champion of the Independent Athletic Conference (IAC record 10-0), was seeded first for its fifth ECAC, Metro Tournament. For Coach Jim Catalano and Assistant Coach Bob Leblein this was not their first victory, as they were champions in 1982 and 1985.

Coach Catalano has put together a team, which ranks second in its division in the U.S. in scoring at 95 a game and leads the U.S. in winning margin with 29. It is No. 1 in Division 3 in free throw percentages at 80% and second in field-goal percentage at 56%.

Guard, Chris Miles (sophomore) leads NJ Tech. in the backcourt with 20.5 scoring average. He’s leading the U.S. as a three-point shooter with 62.5 percent accuracy and he shoots 91 percent at the line. Warren Rogers, 5-9 (senior) has 1,390 career points, 73 short of the school record. His average this year is 17.3. Valuable off the bench are: Junior Norm Mc Gee 5-8, Freshman Tom Meixner 6-7 and Freshman Caesar Alonso 6-4.

(top) Charles Brown Fighting for the ball.
(above) Starter forward Curtis Chance powers up for two points.
(above left) Coach Jim Catalano points out errors.

(above) Gus and Rod prevent the opponent from scoring. 
(left) Assistant Coach Bob Leblein watching the players very closely.
The Women's Volleyball team won its most games ever ending their season with a 24-8 mark. Another spectacular accomplishment was becoming the "Women's Independent Athletic Conference" (WIAC) Champs. WIAC all-stars are Marilyn Dawson and Claire Nicolaous (Co-Captain) with Claire was also named MVP. This was the team's first year to win the independent Athletic Conference without loosing a single game. The all-star in IAC selections are Marilyn Dawson, Claire Nicolaous, Denise Corsaro, Liz Goldrick, and Regina Rygelis.

These accomplishments, along with a conference record of 7-1 in WIAC and 4-1 in IAC, give the team a lot of pride. Head coach Dave De Nure hopes to have an expanded schedule next year and win both conferences again.

(top) Denise Corsaro seizing the opportunity.
(above) Gina Ochs finally puts the ball over the net.

(above left) Linda Fortier practicing her serve.
(above) Denise Corsaro doing what she does the best.
(above right) Regina Rygelis sets up for the point.
(left) Coach Dave De Nure watching his girls progress.
Cross Country Coach Henry Mc. Cloud and new Assistant Coach Doug Troast led a strong team in the Independent Athletic Conference, as the Harriers scored a repeat victory in the I.A.C. race.

The New Jersey Tech Harriers finished with an overall record of three and three beating William Patterson College, Stevens Tech and St. Peters. Their only losses were to Montclair St., Glassboro and Trenton State.

The team placed second in the Drew Invitational which included a victory over their arch rival Montclair State.

The excitement came in October when the Harriers won the I.A.C. race at VanCortland Park in the Bronx, by beating Merchant Marine, Stevens Tech, and Yeshiva. Senior Co-Captain Doug Lischick, who won the individual title in 1984 won again and led the first runner from Stevens by 250 yards. The Stevens Tech runner who took second broke up a parade of N.J.I.T. Harriers who took the next five positions.

Senior Dave Conti was third, Co-Capt. Mike Brake was fourth, Sophomores Hugo Ortega was fifth, Radzee Zaman was sixth, Mike Hanna was seventh and Freshman Lance Austenberg finished ninth.

The Harriers next season will be losing Seniors Mike Brake, Doug Lischick, Dave Conti and Assistant Coach Doug Troast. They all provided the necessary leadership and dedication to the sport which contributed to the successful season. The returning members are looking forward to next season.
(left) Front row (L-R): Co-Captain Mike Brake, Assistant coach Doug Troast, Co-Captain Doug Lischick. Back row (L-R): Hugo Ortega, Dave Conti, Lance Austenberg. Coach Henry McCloud. (Not shown: Paul Yourga, Mike Hanna, Rod Zaman. (far left) Doug Lischick on his way to victory at I.A.C. champion race at Van Cortland Park, Bronx.

(far left) Formal preparations for the races.

(left) Coach Henry McCloud pins numbers on his runners.

(left below) Coach Henry McCloud offers advise before the race.

Score Board

<table>
<thead>
<tr>
<th>NJ Tech.</th>
<th>OPPONENT</th>
<th>Score</th>
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<tbody>
<tr>
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<tr>
<td>25</td>
<td>St. Peter's College</td>
<td>34</td>
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</tbody>
</table>

1st IAC Championship
1st Ramapo College Invitational
2nd Drew Invitational
4th Place Kings College Invitational
9th Place Lebanon Valley College Invitational
13th ECAC
16th Albany State Invitational

Final Score 3-3
The rifle team ended their season with final record of 13-9, not bad for a team with a new coach. Prospects for 1987-88 look good as only one senior letterman is graduating.

The highlanders participate in the Metropolitan Athletic Conference (One of the toughest Conference in the nation.) Their success there demonstrates the high quality of the New Jersey Tech. program. The rifle team's season begins in October and runs thru February with only three of the twenty-two matches occurring at home.

The team consists of David O’Hera, John Zisa, Chris Humme, Robert Van Ghent (captain), and Mike Clark. The team coach Kingston Fairclough.
The New Jersey Tech. fencing team, had a fair season this year. The Epee's squad destroyed William Patterson College 7-2, led by David and Saul Cruz (brothers) with 3-0 victories. David and Saul, along with Frank Wados, kept the Epee Squad a dominant force in all matches last year. They are well on their way to another winning season.

The team consists of David Cruz, Saul Cruz, Frank Wadas, Zyad Hajo, Maria Allen, Nelson Cava, Ana Sofia Nolau, Chris Kaplonski, Gary McFadden, Edward Ng, Hyung Park, and Coach Bob Lynch.

Above: Getting uncomfortable because of close shot.
Above right: Ana Sofia Nolau takes a deciding "stab" at her opponent.
The New Jersey Tech.'s Men's Volleyball team is proud to say it had a great season this year, with final record of 17-8. The Highlanders are perennially in the top ten in the east, competing in the Eastern Intercollegiate Volleyball association which grows stronger every year. Coach Oleg Moiskenko and assistant coach David DeNure continued to make rumbling as they moved to the top. The victory over 16th ranked Rutgers-Newark this season cemented New Jersey Tech's standing in volleyball circle.

For New Jersey Tech is to reach such heights is extraordinary. The Highlanders came away with their first tournament victory in several years, winning the Concordia Invitational, over New Platz, Columbia and MIT, and then taking NYU, 2-0, in the final.

The team members are: Tom Rogers (Captain), Ted Laarkamp (Co-Captain) and key hitter, Vas Vassilladias, leading scorer, and David Olmeda, Jim Livosi, who stand 5'10" & has a "kill efficiency" is joined by Walter Szynalski, an excellent digger and defensive player, Max Moiseenko, and William Schneider.

Top: The beginning of a perfect set-up by Vas Vassilladias.
Middle: Highlanders shake hands with opponent team-Villanova.
Above: Demonstrated here is the awesome talent of jumping volleyball players must have.
Above: Men's Volleyball team cheering after a point.


Above: Coach Oleg has a conference with his players during a time out.

Above: Vas Vassiliadis spikes it over for the.

Score Board

<table>
<thead>
<tr>
<th>Home Team</th>
<th>Opponent</th>
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Athletics/135
The New Jersey Tech. Bowling team completed a successful season by finishing second in the Independent Athletics Conference. The team competed against nationally ranked bowling teams which included playing in the Cornell Tournament and the Penn State Tournament. The coaches Peter Montlilor (Head) and Bob Caruso (Assistant Coach) have much confidence in the team and say "Our recruiting has paid off. Next year we are shooting for our first conference title."

The team consists of Jeff Morin, William Soltmann, George Caricich, Frank Greco, Pat DeLuca, Frank Dickenson, James Winterfield, Andy Baron, Adam Regelsky and Denise November.
The Women’s tennis team ended their season with 2-6 record, better than last years (0-8). The team came in 3rd out of 6 in “The Women’s Independent Athletic Conference” (WIAC). And Alison Schwier, a new-comer, was selected to WIAC-MVP.

our team managed to set a new record. The doubles team of Barbara Blake (Senior) and Jeannie Murray (Sophomore) had a 4 wins:2 loss record were named MVP.
Our soccer team proved that they can be very competitive against nationally ranked teams by winning the Independent Athletic Conference with a 4-0 record, and an overall record of W-13, T-2, L-5. The team completed a nine game winning streak including the most shutouts in a season-8. The Highlanders also won the ECAC NJ-NY metro area championship by defeating Drew University, 2-1.

Andy Kalwa, team goalie, had 8 shutouts. Jose Rege was MVP, and Asdrubal Franco was chosen Top defender, in the IAC Championship. The team is made up mostly of first-time players, but after the first two games they molded into a solid unit. The NJ Tech. team rose to be one of the best teams in the metro area. A mixture of players from countries such as Peru, Colombia, El Salvador, Honduras, Guyana, Nigeria, Turkey, Greece, and Russia joined with the native American players to become a truly international team.

---

(top left) Enzo Caruso at his best.
(left) “Go get another ball!”
(above) The joy of Victory.
The Men's Baseball Team had a fine season under the direction of coach John Schmid. With a young squad boasting four Juniors as its oldest members, the team ended the year with a 15-17-1 record.

The highpoint of the year was a trip to Florida where the Highlanders won four games. Mike Sifonios helped the team with a .355 batting average-7 doubles, 3 triples and 21 RBI's. Other players with impressive averages were Co-capt. Anthony Lombardi .348-8 doubles, 3 triples and 21 RBI's and Co-capt. Thomas Spadafino .305 average with 20 stolen bases.

The baseball team looks forward to next season when they can improve their record to over .500 and win the IAC title.
(Top Left) Thomas makes a play at first.
(Bottom) An easy score for Jeff.
(Center) Coach Jhon Schmid looking out for his players.

Scoreboard

<table>
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</table>

Team Members consists of: Thomas Spadafino #10, Anthony LamBardi #17, Mark DuBois #21, Albert Colon #9, Andrew Kalwa #14, Keith Hook #25, Mike Sifonigs #15, Jeff McEntee #13, Russell Funk #16, Ricky Wells #18, Tom Bischoff #4, Samuel Flores #8, Patrick Lobdell #22, Matt Pintar #24, Joe Cacciabando - trainer.
The Highlander Softball Team coached by Robert Moran had an excellent year boasting the most wins in a season with six. Pitcher Lucy Gomez helped accomplish this feat with 3 victories and 7 strike-outs. Adrienne Bujtas led the batting attack with a .471 average which was balanced by the perfect fielding of outfielder Gayle Berkery. Jeanie Murray was selected MVP with Adrienne Bujtas and Linda Belenets making All-Conference WIAC.

With only one senior on this year's squad, the team looks forward to a better than .500 season in 1988.

(top) WIAC selection Adrienne Bujtas showing the intensity of the game.
(Middle) The Lady Highlanders cheer on their teammates while waiting to bat.
(Bottom) After a slow start to the season, the NJIT defense tightened up for six straight wins.
Team members consists of: Linda Belenets #10, Gayle Berkery #22, Denise Corsaro #7, Lisa Geraghty #16, Elizabeth Goldrick #9, Lucy Gomez #4, Debbie Hrabosky #18, Jean Murray #12, Gina Oches #18, Barbara Pagano #6, Lisa Paszkowski #18, Sonia Zacher #15, Adrienne Bujtas #14.

(Right) Coach Bob Moran preparing to hit some practice balls to improve team fielding.
(Upper Right) Co-captain Jean Murray's intense dedication made her MVP.
(Upper conner) Linda Belfents pitching no-hitter at CSE.
The NJIT tennis team just completed an outstanding season of play. The squad won the last six matches of the year to go undefeated in the IAC conference and win the conference championship.

A 7-2 victory over rival Stevens Tech was particularly satisfying as NJIT had not accomplished the feat since 1981. Each team member was very supportive of his teammates which could account for the squad winning 62% of all the singles matches and 79% of all doubles matches. Next year will be a rebuilding year for the tennis team since only four of the nine members on this year’s team will be returning.

(Top Left) Sanjay Patel playing his shot at the net with total confidence.
(Top Right) Concentrating on the matchpoint.
Team Members are: Sanjay Patel, Asutosh Shah, Manuel Loreto, Richard Kwinta, Scott Popp, Jimmy Oh, David Lucchi, Mark Agnello, Frank Del Vecchio.
## Scoreboard

<table>
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<tr>
<th>NJIT</th>
<th>Opponent</th>
<th>Score</th>
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<td>9</td>
<td>W. Connecticut U.</td>
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(Top Left) Intense Practice before Tournament.  
(Bottom Left) NJIT player prepares to accept the serve.  
(Bottom right) Intense concentration reflects on our member of the team.
The New Jersey Tech Judo Team was a young one, comprised of members ranking only in the White belt Division. During the spring semester the team, through individual competitions, brought home numerous metals.

The team members are Richard Kopelow, Rob Chanap, Wanda Breitenbach, Mina Shams, Lisa Nunn, Barbara Pagano, Bob Winn, Enrique Rodriguez, Conrad Grant, Timothy KruIan, Mike Matuch, Joe Vincze, Frank Davids, Chi Chen, Gerry Maceira, Angel Morales, and Head Coach Dr. James Grow.
The NJIT golf team had a large roster of 19 members. The squad was led by Coach Richard Fiorentino and co-captained by Stewart Bennion (senior) and Mike Plocic. The team featured only seven seniors which leaves a strong base after graduation. This included Junior Mike Plocic who won the team MVP trophy.

One of the high points of the season was a hole in one sunk by Tony Politano at Galloping Hill Golf course. When Coach Fiorentino was asked to indicate a unique aspect of the team he remarked on its big appetite, a sign that in 1988 the squad will definitely be healthy!

Team members include: Richard Fiorentino (coach), Stewart Bennion (capt.), Mike Plocic (capt.), Andy Hipolit, Jim Kerlin, Mike Biemer, Brian Kiel, Edward Stevenson, Steve Maranelli, Tawn Simons, Gary Francis, Chris Panza, Tony Politano, Mansukh Patel, Joe Angrisani, Chris Tittensor, Wally Bomhoff, Jeff Terjesen, Mike Entwistle and Paul Damurjian.

**SCROE BOARD**

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Final Record: 6W-7L
"How a person plays the game shows something of his character. How he loses shows all of it."

Go for it!!!
Highlanders...leaping for the cup.
Intramural sports have been providing the opportunity to New Jersey Tech students to participate in the activities learned in physical education classes, and compete on a reasonably equal basis. The intramural program is designed so that students can participate in sports which they might not have the time or ability, to compete in on a varsity level.

The Intramural Sports Program at New Jersey Tech plays a major role in the growth and excellence of the athletic department. Intramural Sports offer the student, faculty and staff of this college a great opportunity to participate, and use their skills in athletic competition without being committed to the tight schedule of an intercollegiate team.

The total intramural program is designed and operated by the New Jersey Tech students in various areas of responsibility, from officials and activity directors, to members of the Division of Physical Education.
Football can be a game where you can make “Close” friends. Far Left: Niels Schwarz. “Trying to be a good referee.” Left: Hockey can be a tiring game as the players relax while the Referee makes a decision.

ACTIVITIES OFFERED BY INTRAMURAL SPORTS

FALL SEMESTER
Flag Football
Floor Hockey
Soccer (outdoor)
Tennis (men)
Basketball (Women)
Volleyball (Co-ed)
Swim Meet
Golf
Basketball (Men)
Pentathlon
Paddleball (Men)
Paddleball (Women)
Badminton (Men)
Badminton (Women)
Turkey Trot
Basketball-Free Throw

SPRING SEMESTER
Basketball
Floor Hockey
Soccer (indoor)
Volleyball (Co-ed)
Paddleball
Tennis (Women)
Badminton
Softball
Bunny Hop
International
Student’s Day
Track & Field
Archery
Beach Volleyball
Basketball
-Free Throw
(top) Looking strong, The Athletic Oscar.
(top left) Athletes are acknowledged for their All-IAC win.
(left) Oleg Men's Volleyball coach, looking impressive!
(far left) David O'Herman Looking for ideas for next year's rifle team.
(bottom) Cross-Country Head coach Henry McCloud showing his swats.
(bottom left) Marilyn Dawson Picking up her MVP award.
For the Nucleus

This past academic year was the beginning of an exciting new era in New Jersey Tech athletics as the university moves to refocus and expand its athletic program.

And what a year it was!

All fifteen of our varsity teams, sporting the newly designed "New Jersey Tech Highlanders" uniforms, posted winning records or showed considerable improvement over the previous year. We dominated the Independent Athletic Conference (IAC) as the cross country, basketball, soccer, tennis and women's volleyball teams won five of the seven conference championships. The soccer team also won the Eastern College Athletic Conference (ECAC) regional championship while the men's basketball team, although losing in the ECAC regional semi-finals, posted an outstanding 23-4 record and was top ranked nationally among Division III teams in four scoring categories and among the top ten in four others. Not to be outdone, our men's volleyball and bowling teams were nationally ranked, and the fencing, golf, judo, rifle and ski teams all had successful seasons.

Our women's teams, still relatively new in New Jersey Tech athletic history, are coming into their own. In addition to the IAC championship, the volleyball team was champions of the Women's Intercollegiate Athletic Conference and the softball and tennis teams posted their best seasons. Basketball, in its first season, had a losing record but showed fantastic improvement as the season progressed.

A host of our men and women athletes were selected to the various All Conference, All State and All Area teams. While I congratulate these individuals and teams who achieved significant levels of excellence, I am equally proud of all the scholar athletes and coaches who represented the university in athletics this year. And I am even more proud of the fact that our success was achieved without compromising the university's academic integrity demonstrating that athletic excellence can coexist with academic commitment.

Those who have completed their athletic eligibility are wished the best of luck in their future pursuits and are urged to continue their interests in athletics and New Jersey Tech. Finally, I must express my appreciation to all those who contributed to the athletic program this year and I look forward to your continued support in the challenging years ahead.

J. Malcolm Simon
Director of Physical Education and Athletics
Garden State Arts
20th Anniversary Season
Presented by American Isuzu

New Jersey
Institute of Technology
Commencement Exercises
Today 2:30 P.M.
Excited faces at graduation, the culmination of the college experience.

It all began one Fall sunny day with Mini-verseity. We were all anxious and full of expectations, however, everyone managed to give a comforting smile and encouragement to their fellow classmates. Soon friendships were made. Friends that helped us make decisions regarding courses, professors, or even remaining at NJIT. No one ever thought we would see "the end" when we stood in line waiting to purchase books, pay tuition at finance, or desperately tried to find a parking space. But, somewhat to our own surprise, we all managed to put our best foot forward and are now ready to face the challenges ahead.
SENIORS

AHMED ABDELGANY
Bloomfield, NJ B.S.E.E.

SAMY ABOUZID
Jersey City, NJ B.S.M.E.

TERESA ACCARDO
Hazlet, NJ B.S.M.E.
Tau Beta Pi, Dean's List

VINIT S. ADI
West Orange, NJ B.S.E.E.
IEEE, Tau Beta Pi

STEPHEN ALFIERI
Glen Ridge, NJ B.S.A.S.
Math Club Treasurer

JOHN ALFONSO
Lyndhurst, NJ B.S.C.I.S.

MICHAEL ALLEGRETTA
North Bergen, NJ B.S.M.E.

BERNADETTE C. ALLEN
Somerset, NJ B.S.I.A.
SCOTT J. ALLING
Edison, NJ  B.S.M.E.

VINCENT J. ALONGE
Sparta, NJ  B.S.E.E.
 IEEE, Tau Beta Pi, Intramural Volleyball

OTHMAN A. ALSOUQI
Passaic, NJ  B.S.E.E.
Phi Theta Kappa, Dean’s List, IEEE

PATRICIA ANDERSON
East Orange, NJ  B.S.I.A.

SCOTT R. ANDERSON
Middletown, NJ  B.ARCH.
Dean’s List. SAA, Miniversity, Student Senate Vice President, Resident Assistant, Peer Counselor, Who’s Who

ALBERT BUN OR ANIKWE
Newark, NJ  B.ARCH.
Energy Management and Scholarship Awards, Passive Solar Design Award,

SHARON ANTOINE
Summit, NJ  B.S.E.E.

AMADO AQUINO
Passaic, NJ

BRUCE ARMISTEAD
Newark, NJ  B.S.C.E.

ANDREW OHIOZE ARUMEMI
Newark, NJ  B.S.E.E.
IEEE, Unesco Club, African Students Club

DUCLAIR ATIS
East Orange, NJ  B.S.Ch.E.
Phi Eta Sigma, Tau Beta Pi, Omega Chi Epsilon, Chemical Engineering Merit Award, INROADS Sophomore of the Year

IDRIS I. ATTARWALA
Cherry Hill, NJ  B.S.Ch.E.
Residence Hall Judicial Board, AICHE, ACS, Dean’s List

SUSAN AUGUSTOWSKI
Wayne, NJ  B.S.M.E.

HULTON AUSTIN
Orange, NJ  B.S.C.E.T.

FRANK G. AVERSA
Belford, NJ  B.S.C.I.S.

BRIAN BAJOR
Allendale, NJ  B.S.C.E.
DANIEL BALDWIN
West New York, NJ  B.S.C.I.S.

EDGARD BALOUKJY
Elizabeth, NJ  B.S.C.E.

ANDREW T. BALTO
Monmouth Beach, NJ  B.Arch.
SAA President

RENATO L. BAPTISTA JR.
Newark, NJ  B.S.E.E.
Varsity Soccer Team, IEEE, Distinction in Honors Humanities

TAL BARNEA
Hackensack, NJ  B.S.C.I.S.

CURTIS BASHFORD
Union, NJ  B.S.E.E.
IEEE

JOHNNY BASTIDAS
Jersey City, NJ  B.S.M.E.

ARMEN BEDROSSIAN
Dover, NJ  B.S.C.I.S.
ACM, MUG, UPE, Soccer Team, Intramurals, Dean's List, NJ All-State College Soccer Team

SAKIR BEHARY
Colonia, NJ  B.S.C.E.

CHRISTINE MARIA BELCIC
West New York, NJ  B.S.M.E.
ASME, APS

GEORGE T. BENEDICT
Scotch Plains, NJ  B.S.E.E.
IEEE

STEWART BENNION
North Brunswick, NJ  B.S.Ch.E
Varsity Golf Team, Intramurals, AICHE, ACS

KEVIN BERRY
Piscataway, NJ  B.S.I.E.
Alpha Pl Mu, Tau Beta Pl, Institute of Industrial Engineers

PAUL CHRISTOPHER BETTS
Little Falls, NJ  B.S.M.E.

JOSEPH BENJAMIN BILOTTA
Bayonne, NJ  B.S.M.E.
Tau Beta Pl, Pl Tau Sigma, ASME, SAE

VIRGINIA BIRNIE
Cresskill, NJ  B.S.M.E.
DANIEL BISKUP
Bridgewater, NJ  B.S.E.T.

MULUEMBET BIZUNEH
Orange, NJ

BARBARA ANN BLAKE
Secaucus, NJ  B.S.E.P.
Tennis Team, IEEE, SWE, Dean's List

DONALD V. BLAZINA JR.
Palisades, NJ  B.S.C.E.
ASCE Secretary, Student Senate, Residence Hall Council, Vector

JOYCE BOCCIER
Fanwood, NJ  B.S.E.E.

MATTHEW P. BOEHM
Cranford, NJ  B.S.C.I.S.

ARTHUR C. BOHON
Boonton, NJ  B.S.E.E.
Student Senate, WJTB

JOAN C. BOLAND
Blairstown, NJ  B.S.I.E.
Alpha Pi Mu Recording Secretary, Omicron Delta Kappa, SAC Secretary, Resident Assistant, Co-op, NJIT Theatre Group
MICHAEL BOLCH
Howell, NJ

TOMMY BOLSTAD
Towaco, NJ  B.S.E.E.
IEEE, Tau Delta Phi Fraternity,
WJT

JOHN BONNET
Bloomfield, NJ  B.S.E.

KEVIN BOOTH
Sicklerville, NJ  B.S.E.T.

DAVID G. BOWERS
Scotch Plains, NJ  B.S.I.E.
Nucleus Editor-in-Chief, Omicron Delta Kappa, Estin Scholar-Leadership in Collegiate Journalism, Intramural: Basketball, Volleyball

MICHAEL BRAKE
Flemington, NJ  B.S.M.E.

JAMES BRAND
Randolph, NJ  B.S.E.E.
WJT

JEFFREY T. BRENNAN
East Hanover, NJ  B.S.I.A.
PATRICIA CALVI
Passaic, NJ B.S.E.E.

BERNICE CANONIGO
Jersey City, NJ B.S.M.E.

NICHOLAS P. CARDO
Lyndhurst, NJ B.S.C.I.S.
SAC, ACM, MUG

BORIS E. CARDONA
North Bergen, NJ B.S.M.E.
Dean's List, ASME, Pi Tau Sigma, Intramural: Basketball, Soccer

ANN M. CARRILLO
Elmwood Park, NJ B.S.A.S

JOHN CARTON
Morris Plains, NJ B.Arch.

ENZO CARUSO
West Paterson, NJ B.S.M.E.

MARY CARUSO
Totowa, NJ B.S.C.E.

JOSE R. CHAER
New Brunswick, NJ B.S.C.E.
ASCE

PEI CHANG
Irvington, NJ B.S.C.I.S.

TONY CHANG
Gillette, NJ B.S.M.E.

CHRISTOV CHARALAMBOS
Newark, NJ B.S.E.E.
Hellenic Club Euclides Vice President

JERRY CHARLES
Irvington, NJ B.S.E.E.T.
NJIT Christian Fellowship Secretary, Black Association of Students in Engineering, NSBE, SAM, IEEE

JOHN MICHAEL CHAYKO
Woodbridge, NJ B.S.C.E.
Alpha Sigma Phi Fraternity, Miniversity

JIN HING CHIN
New York, NY B.S.M.E.

JOHN CHONGOUSHIAN
Wood Ridge, NJ B.S.M.E.

JERRY CHARLES

JOHN MICHAEL CHAYKO

JIN HING CHIN

JOHN CHONGOUSHIAN

162/Seniors
HAYLEY CHOW
Alpine, NJ  B.Arch.
MICHAEL F. CIARAMELLA
Union, NJ  B.S.E.E.
  Tau Beta Pi, IEEE, Dean's List
ANDREW JOSEPH
CIBOROWSKI
East Rutherford, NJ  B.S.C.I.S.
ANDREW J. CICALA
Parsippany, NJ  B.S.C.I.S.
  Alpha Phi Delta Fraternity President, ACM Treasurer, NJIT Theater, Miniversity, Ski Club
DAVID CITER
Wayne, NJ  B.S.I.A.
  SAM Vice President of Promotion, Amateur Radio Club Treasurer, Miniversity
PAULO CLEMENTE
Elizabeth, NJ  B.S.E.E.T.
FIALELY COLON
Hoboken, NJ  B.S.I.A.
ROBERT B. COMERFORD
Basking Ridge, NJ  B.S.M.E.T.
GEORGE M. CONDZAL
Dumont, NJ  B.S.S.T.S.
SAE

MATTHEW F. CONIGLIARI
Belleville, NJ  B.S.E.E.
Tau Beta Pi.Eta Kappa Mu, Phi Eta Sigma. Outstanding Freshman Chemistry Award

DAVID CONTI
Little Falls, NJ  B.S.C.I.S.

JOHN F. CORCORAN
Newark, NJ  B.S.M.E.
Football Intramural Sports Director

MARK WILLIAM CORSON
South River, NJ  B.S.C.E.T.
AGC, S2C2, ASCET. Tau Kappa Epsilon Fraternity. Dean's List

PHILIP JAMES COSGROVE
South Orange, NJ  B.S.C.E.T.
ASCE. S2C2. Concrete Canoe Race Coordinator

MARC COTUGNO
Livingston, NJ  B.S.M.E.
ASME, SAE, Theta Chi Fraternity

MATTHEW J. COULSON
Kearny, NJ  B.S.C.I.S.
Pi Kappa Phi Fraternity
THOMAS WILLIAM CREELMAN
Bedminster, NJ  B.S.C.E.T.
Tau Kappa Epsilon Fraternity,
Tau Alpha Phi Treasurer, S2C2,
Dean’s List

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Track Team

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ral: Basketball, Softball

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E N I O R S
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SONG S. PAK
Rutherford, NJ  
B.S.M.E.

DEBRA PALUMBO
Jersey City, NJ  
B.S.E.E.

JOHN S. PANZENHAGEN JR.
Franklin Lakes, NJ  
B.S.C.I.S.
Wargamers Club President, DECA Delta Epsilon Chi

IIMAN PAPPAS
Tenafly, NJ  
B.S.Ch.E.
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SAM Vice President of Promotion, DECA Delta Epsilon Chi, Dean’s List  

ROSELIN PERALTA  
Paterson, NJ  B.S.Ch.E.  

ELIZABETH PERRY  
Newark, NJ  B.ARCH.  
Newark Design Group, Fee Grant Travel Award  

REGINALD PERRY SR.  
East Orange, NJ  B.S.I.A.  

MICHAEL PETERS  
Parlin, NJ  B.S.E.T.  
ASME, ASM  

HIEN PHAM  
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RICHARD PILSBURY  
Demarest, NJ  B.S.M.E.  
Tau Beta Pi, Pi Tau Sigma, SAE, ASME, Bell Scholarship, Tau Lambda Chi Fraternity  

NATALIA PEKERSKY  
ROSELIN PERALTA  
ELIZABETH PERRY  
REGINALD PERRY SR.  
MICHAEL PETERS  
HIEN PHAM  
THOMAS G. PILOTO JR.  
RICHARD H. PILSBURY  

SENIORS
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Sigma Pi Fraternity Treasurer, ASCE, Society of Collegiate Journalism, Vector, SCAM Vice President, Chi Epsilon, Student Senate, IFSC/Intramural Sports

MARIANNE PONTILLO
Elizabeth, NJ  B.S.E.E.
IEEE

SCOTT POPP
Freehold, NJ  B.S.C.I.S.
MUG, NJIT Men's Tennis Team, Intramural Paddleball Champion, Dean's List

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Tau Epsilon Phi Fraternity, ASME, SAE, Intramural: Football, Basketball, Softball

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Kappa Xi Kappa Fraternity, IEEE

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ACM, Tau Delta Phi Fraternity Treasurer

JOSEPH PYZOWSKI
Bayonne, NJ  B.S.C.E.

MICHAEL S. QUINN
Wayne, NJ  B.S.E.E.
IEEE, Order of the Engineer
TOMAS RUGEL  
Newark, NJ  B.S.I.A.  
Hispanic Organization of Students in Technology, SAM  

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Perth Amby, NJ  B.S.I.A.  
Senior Class President, Student Senate President, NJ DECA Delta Epsilon Chi President, Yearbook Editor, Resident Assistant, Omicron Delta Kappa, Sigma Epsilon Mu, Outstanding Senior, Who's Who, International Youth in Achievement, Outstanding Young Male Leader in America, SAM, Pub Board Secretary, US Senate Youth Service Commission, NJIT Theater, Intramurals, Dean's List  

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Kearny, NJ  B.S.E.E.  
WJTJ, Intramural Softball  

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Student Senate President  

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Belleville, NJ  B.S.M.E.  
ASME, Big Sister Committee, NJIT Varsity Softball  

ALAN THOMAS RYAN  
Hawthorne, NJ  B.S.M.E.  
NJIT Varsity Ice Hockey, Intramural Floor Hockey  

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Oradell, NJ  B.S.M.E.  
ASME, SAE Treasurer  

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NJIT Women's Varsity Volleyball, Alpha Sigma Tau Sorority  

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Clifton, NJ  B.S.C.E.  

JOHN W. SALM III  
Fanwood, NJ  B.S.C.E.  
Vector Photo Editor, Student Senate, ASCE  

FRITZNEL SALOMON  
East Orange, NJ  B.S.E.E.T.  

ANA SANCHEZ  
Hoboken, NJ  B.Arch.  

JACQUELINE SANTOS  
Newark, NJ  B.S.C.I.S.  
Tau Beta Pi  

ALBERT SARGENTELLI  
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NJIT Varsity Ice Hockey Captain, Dean's List  

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South Plainfield, NJ  B.S.M.E.  
Sigma Pi Fraternity, ASME, NJIT Baseball, Dean's List, Phi Eta Sigma
SENIORS

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Dumont, NJ  B.S.M.E.
ASME, WJTB

JOHN R. SAXENIAN
Dumont, NJ  B.S.I.A.

FREDERICK SCHERRER
Belleville, NJ  B.S.C.E.
ASCE, Chi Epsilon

PAUL SCHIARIYI
Hamilton, NJ  B.S.C.E.T.
S2C2

STEVEN R. SCHLEHUBER
Union, NJ  B.S.C.I.S.
ACM, Upsilon Pi Epsilon, Pi Kappa Phi Fraternity

SHARON ANN SCHMIDT
Nutley, NJ  B.S.Ch.E.
Nucleus Editor-in-Chief, Senior Class Vice President, Student Senate Vice President, Alpha Sigma Tau Sorority Vice President, AICHE, ACS, Peer Counselor, Who's Who, Dean's List

ALLISON SCHNEIDER
New Providence, NJ  B.S.M.E.

MARK SCHROEDER
Glen Ridge, NJ  B.Arch.
Intramural Hockey
ANDREW SCHUELLER
Aberdeen, NJ B.S.C.E.

ERIC J. SCHWAB
Randolph, NJ B.S.M.E.
Tau Beta Pi, Pi Tau Sigma

NIELS A. SCHWARZ
Murray Hill, NJ B.S.C.I.S.
Nucleus Editor-in-Chief, Student Senate Vice President, Miniversity, NJIT Varsity Volleyball, Intramural Volleyball, Intramural Swimming, Intramural Volleyball Director, Professional Conduct Committee, Senior Class Committee, Finance Committee, Estrin Scholar Overall Leadership, IEEE, Red Cross Volunteer, Life Saving Instructor

JAMES SELLINGER
Raritan, NJ B.S.I.A.

KETAN C. SHAH
Dover, NJ B.S.E.E.
IEEE, Association of Indian Students

NIKITA SHAH
Wayne, NJ B.S.C.I.S.

SHRUTI SHAH
Elizabeth, NJ B.S.E.E.

MINA SHAMS
Newark, NJ B.S.I.A.

SENIORS
RANI SHOUGA
Prospect Park, NJ  B.S.C.I.S.
Upsilon Pi Epsilon President, NJIT Men’s Soccer Team, Pi Kappa Phi Fraternity, Intramural Sports, ACM

JOHN F. SHULACK
Whitehouse Station, NJ  B.S.E.E.T.
IEEE

DOMENICK SIMONETTI
Livinston, NJ  B.S.M.E.
Theta Chi Fraternity Secretary, Dean’s List, Intramural: Football, Softball

TAWN A. SIMONS
Newark, NJ  B.S.M.E.
Theta Chi Fraternity Secretary

JOSE SISO
Roselle, NJ  B.S.C.I.S.

WILLIAM SMIZASKI
North Bergen, NJ  B.S.Ch.E.
Theta Chi Fraternity, Omega Chi Epsilon

LELAND THOMAS SNYDER
Berkeley Heights, NJ  B.S.M.E.

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Middlesex, NJ  B.S.M.E.
ASME

MANI SOKHANDJ
Cedar Grove, NJ  B.S.M.E.

PETER A. SPARROCK
Wayside, NJ  B.S.Ch.E.
AIChE

VINCENT SPENA
Linwood, NJ

J. LLOYD SPENCER
East Orange, NJ  B.S.I.A.
Caribbean Students Organization President, Peter Small Scholarship, Miniversity

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Newark, NJ  B.S.E.E.
Hellenic Club Euclides Vice President of Operations

RONALD STANKO
Bayonne, NJ  B.S.M.E.
Phi Lambda Chi Fraternity Vice President

GLENN T. STEFANIAK
Fairfield, NJ  B.S.M.E.
Pi Tau Sigma Secretary, ASME, Dean’s List, Intramural Tennis

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AIChE, Tau Beta Pi, Pow Scholar
JOHN TERRERI  
Morristown, NJ  B.Arch.

THOMAS THEILMEIER  
Passaic, NJ  B.S.M.E.  
Tau Beta Pi, Pi Tau Sigma,  
Dean's List, SAE, ASME

ST-PIERRE THERLONGE  
Irvington, NJ  B.S.C.I.S.

HANSY THOMAS  
Elizabeth, NJ  B.S.M.E.

STEPHEN HENRY THOMAS  
Sparta, NJ  B.S.C.I.S.  
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Pi Tau Sigma, ASME, SAE, Dean's List

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ASME, Tau Lambda Chi Fraternity, NJIT Ski Team, Intramural Sports
JOHN TOBIN JR.
Ringwood, NJ B.S.C.E.

JUAN C. TORRES
Jersey City, NJ B.S.C.E.
ASCE

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Intramural Floor Hockey, The Order of the Engineer

MARTINA TRENKLER
Union, NJ B.S.I.E.

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NJIT Cross Country Captain, IEEE, WJTB Program Director, Intramural Hockey, Softball

SHARON KAY TRONCONE
Irvington, NJ B.S.I.E.
IIE, SWE, SME

STEPHEN M. TRUSHELL
Montclair, NJ B.S.C.I.S.
Tau Lambda Chi Fraternity President, Tau Beta Pi, ACM

EDWARD TURNER
Rockaway, NJ B.S.E.T.
PAMELA TUTT
East Orange, NJ  B.S.I.A.

EDWARD TWISS
Montclair, NJ  B.S.E.E.

NESTOR S. TYTLA
Hasbrouck Heights, NJ  B.S.E.E.
Ukrainian Club, WJTB

LYSANDER UZZELL JR.
Plainfield, NJ

RAJEEV VAID
Newark, NJ  B.S.E.S.C.

BRAD VALERIUS
Godfrey, IL  B.ARCH.

FERNANDO VALLE
Linden, NJ  B.S.E.E.T.
Dean’s List, Tau Alpha Pi, IEEE

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TIMOTHY VAN-VLIET
Wyckoff, NJ  B.S.E.E.

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IEEE, MUG, Miniversity

CHRISTOPHER VENEZIA
Fanwood, NJ  B.S.E.T.

DAVID W. VENEZIA
Westfield, NJ  B.S.I.E.

ROBERT VENTOLO
Haworth, NJ  B.ARCH.

MARTHA L. VERGARA
North Bergen, NJ  B.S.I.E.
SWE, IEEE, Dean’s List

NAVEEN VERMA
Matawan, NJ  B.S.E.E.

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Pi Tau Sigma, Tau Beta Pi, SAE, ASME
JOSEPH VINCZE
Union City, NJ  B.S.I.A.
NJIT Judo Team, SAM, ACM, MUG

TIMOTHY VITZ
Riverdale, NJ

GEORGE VOEHL
Oakhurst, NJ  B.S.M.E.

KONRAD VON POSERN
Matters, Austria  B.S.M.E.
Kappa Xi Kappa Fraternity Secretary, Student Senate Financial Vice President, Distinction in Humanistic Studies, Miniversity

LOI QUOC VU
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GREGORY J. WAGA
Cranford, NJ  B.ARCH.

CHERYL WAGNER
Bayonne, NJ  B.S.C.I.S.

WILLIAM J. WALKER
Teanack, NJ  B.S.E.E.

CHRIS WALSH
Scotch Plains, NJ  B.S.I.A.
SAM, MUG, Dean's List

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Hackensack, NJ  B.S.E.E.
Tau Beta Pi, Phi Eta Sigma, IEEE

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Newark, NJ  B.S.E.E.T.

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Tau Lambda Chi Fraternity Vice President, Intramural Basketball Captain, AFROTC, Dean's List, Alumni Association Resident Manager, Tau Beta Pi, Eta Kappa Nu

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Wayne, NJ  B.S.C.I.S.
ACM, SAC

MICHAEL P. WILLIAMS
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Tau Beta Pi, Omicron Delta Kappa, Sigma Pi Fraternity Treasurer, Sports Editor, Intramural Sports, IFSC Sports

MICHELLE WILLIAMS
Newark, NJ  B.S.I.A.

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Dumont, NJ  B.S.C.I.S.
ACM, Distinction in Humanistic Studies

LAURA WEINMANN
MICHAEL P. WILLIAMS
MICHELLE WILLIAMS
DIANA M. WOITSKY
RICHARD WOLYN
Clifton, NJ  B.S.I.E.
Tau Lambda Chi Fraternity

ROSITA WONG
Newark, NJ  B.S.Ch.E.

SEE-CHUNG WONG
Newark, NJ  B.S.C.I.S.
Vector, Omicron Delta Kappa, Nucleus Head Photographer, Chinese Student Association President, Student Senate, ACM, UPE, ISE, HKCS, Dean's List

SING WONG
North Plainfield, NJ  B.S.C.I.S.

JOHN WILLIAM WOODS
Kearny, NJ  B.S.E.S.
Tau Beta Pi

BRUCE YEAGER
Fanwood, NJ  B.S.C.I.S.

PAULINA YICK
Peer Counselor, SAM, Sigma Epsilon Mu, Omicron Delta Kappa, Dean's List

NICK YOUN
Elizabeth, NJ  B.S.E.E.
IEEE

ENRIQUE R. YUNES
Boca Raton, FL  B.ARC.
SAA, Hispanic Organization of Students in Technology, Representative/Alumni at L'Ecole D'Art Americaines Summer
Graduation ceremonies, a special moment.

A Step Back

The graduate students comprise one third of the NJIT student community. There are 18 programs in which the graduates are enrolled so as to hone their technical knowledge and professional skills. Besides pursuing their educational goals, the graduates students assist the institute as teaching, research and graduate assistants. Numerous international students are a part of the graduate community. The graduate students' interests are represented by the elected graduate student association.

This is the first appearance of graduates in the yearbook and they will be featured regularly in the future editions.

Two Steps Forward  

One Step Back
The importance of the graduate student population to the further growth and development of this university is widely recognized. In 1985, Governor Kean challenged NJIT to take its place among the nation’s top technological universities. One of the most important targets we set in response to that challenge was to increase our graduate student population to 25% of total enrollment by 1990. We have almost reached that target in just two years.

It gives me great pleasure to congratulate the Graduate Student Association. I know that this is the first year the GSA has been featured so prominently in the Nucleus, and I commend you for the well deserved recognition. It is a very positive indication of the GSA’s growing role at NJIT.

In a relatively short time, the Association has made a number of significant contributions to the life of the university. The array of programs and services it now offers is truly impressive. During the past year, for example, there was an excellent GSA-sponsored seminar series, a symposium on Computers in Medicine, a workshop on the techniques of thesis writing and an orientation for teaching assistants. In addition, the GSA social events, enjoyed by many of us, included an International Students Cultural Day, an International film festival and a picnic on the green, the last co-sponsored by the Student Senate.

I welcome your growing presence on campus and the recognition of the high quality of NJIT’s post-baccalaureate programs which your attendance represents. Thank you for your many contributions to the university and best wishes as you move on the next steps.

Saul K. Fenster
President
New Jersey Institute of Technology
Graduate education at NJIT began more than a quarter of a century ago. However, the current emphasis on Graduate education is much more recent. The current decade began with less than 1,000 graduate students who constituted approximately 400 full-time-equivalent (FTE) students. In 1981, a conscious decision was made to place more emphasis on NJIT’s graduate programs and to build a strong full-time program as well as to expand the part-time program. Since that time the graduate enrollment has expanded and now constitutes nearly 25% of the total NJIT instructional workload (i.e. 1,243 FTE graduate students out of a total 5,220 FTE) and nearly one third of the students on campus (i.e. 2,400 out of nearly 7,600 students).

The rapid increase in enrollment of graduate students means many changes in the social and intellectual life of the campus. To better cope with these changes, the Graduate Student Association (GSA) was created in 1983. The GSA has helped greatly to meet the needs of the international students. This year, for example, the GSA sponsored two cultural events: in the Fall, the International Student Cultural Festival (Greek and Indian Programs) and in the Spring, the International Film Festival featuring films from many cultures as well as to participate in the orientation of newly arriving graduate students.

From its inception, the GSA has played a major role in the intellectual life of the campus. Because the number of graduate programs offered at a technological university are focused, the GSA has been able to play an unusual role at NJIT. Not only does GSA help the students of the various majors bring in speakers from outside into their department, they have sponsored many campus wide programs that cut across disciplines and help to unify and enrich the various majors at NJIT. This year the GSA sponsored talks by Dr. Brian Kernighan from Bell Laboratories and the co-author of well known books on UNIX operating systems and C language, Dr. Robbi from RCA’s Sarnoff laboratory, and an all day symposium on Computers in Medicine.

In a very short time, the GSA has made a major impact on education at NJIT. Their role will help the university achieve its goal of national prominence.
The Graduate Student Association hosted a magnificent International Student Cultural program on October 8, 1986, in cooperation with the Hellenic Club and the Association of Indian Students. The Greek Dancers and the Classical Indian musicians thrilled the audience. The students and the faculty participated in the dance and music festivities as can be observed. Great music, food and dance at the Hazell Center.

A, B & C. Classical North Indian music was played at the NJIT Theater by Kenneth Zuckerman who played the 'Sarod', accompanied by Ray Speigel on Tabla, and Ms. Alaka Palsole on Tambura.

D, E & F. Cultural Program
Graduate Student Association

The Graduate Student Association, since its inception in 1984, has been a dynamic student body representing the varied interests of the graduate student population of NJIT.

GSA's activities have gained the appreciation of many, on and off-campus. On its agenda, throughout the year are programs of enviable quality and diversity. This is made possible by GSA's ever active members who are elected representatives from all the departments on campus.

It all started in 1984, when Mr. Suresh Vallanore of Mechanical Engg was the first Chairperson of the GSA. The foundations were laid for a big take-off. The activities were concentrated on reflecting the existence of a huge graduate population at NJIT through academic and social interests.

In its second year of existence, the GSA was efficiently led by Mr. Peter Chirasakdi Varuntanya, of Chemical Engg. The diversity of activities assumed a larger proportion and the GSA had a huge number of students directly involved in its activities. The programs drew the attention of many on and off-campus.

Under the leadership of Mr. Gururajan R. Rao, of Biomedical Engg/Computer Science, the GSA had a successful 1986-87. It was responsible for initiating new programs like the President's Forum for Graduate Students, representation of Graduates in a separate section in the Nucleus, a film festival and a program representing the interests of the International students on campus. Besides, the good work and programs initiated by Suresh and Peter, like the Academic Seminars, Symposiums, and a variety of cultural and academic programs were on GSA's agenda.
GRADUATE STUDENT ASSOCIATION MEMBERS: 1986-87

Sitting, Left To Right:
John F. Andrews (Secretary), Biren S. Patel (Vice-Chairperson), Gururajan R. Rao (Chairperson), Rajamani Muralidharan (Treasurer)

Standing, Left to Right:
Pat S. Yang, Suresh Ehakvarthi, Preston Canzious, Pin-Nan Chen Mitesh Shah, Vaheh Shahbazian (chairman Social and Cultural Committee), Conrad Grant (chairman Publicity Committee), Naresh Nagarajan, Ashok Paeida (chairman Academic Seminars Committee), Ravichandran T.V.
The Graduate Student Association, representing the interests of the departments, sponsored a series of special seminars. This biannual series has brought to our campus dignitaries and renowned professors in varied fields.

A. Microelectronics:
Dr. William Carr is the sponsored Chair, Microelectronics, at NJIT. The exciting projects that microelectronics had to offer were described on this occasion, October 22, 1986.

B. Dr. Youcef Toumi of the Massachusetts Institute of Technology, speaking on the "analysis", design and control of high performance manipulators on October 1, 1986.

C. Ashok Parida, our Chairman for the Committee on Special Academic Seminars, presenting the Dean of Engineering, Dr. George Pinckus, a Certificate of Appreciation. Dr. Pinckus spoke on 'Strudle', a Civil Engg. Application software.

D. Dr. P. BalaGuru of Rutgers University, New Brunswick spoke on "Structural Properties and Elasticity."
A. Dr. Anthony D. Robbi of RCA's Sarnoff Laboratories, appreciating the "Certificate of Appreciation" presented by Mr. Ashok Parida after his speech on 'Artificial Intelligence' in one of the special seminars arranged by GSA.

B. Students chatting with Dr. D. B. Misra of I.I.T., Bombay, India, who spoke on the "Impact of Modern Technology and Economy in Developing Countries."

C. Dr. Stanley Finkelstein of University of Minnesota, Medical School, speaks on "An Early Detection and Intervention Program for Cystic Fibrosis, utilizing patient self-measurement at Home" on October 29, 1986.

D. Dr. Thomas Hsu of the Civil Eng. Dept., has been a guiding light for the special seminar series and is responsible for the success of a number of seminars.
A. Computer Science
Dr. Brian Kernighan of Bell Laboratories, Holmdel, impressed the Computer Science students at NJIT with his talk on "Little Languages." Many of us are familiar with his name as co-author of the well known books, "UNIX Programming Environment," and "The C Programming Language." About 400 students and faculty crowded the Tiernan Lecture Hall #2, to hear the computer wiz talk on various little languages like PIC editor, GRAF etc. Many of us were inspired by him . . . Truly it was a great moment for NJIT.
Dr. Kernighan, with the staff of the Computer Science Dept., at a reception hosted in honor of his visit to NJIT.

B. Dr. Brian Kernighan speaking at the Tiernan Lecture Hall.
President’s Forum

The GSA was responsible for sponsoring the First President’s Forum at NJIT for the Graduate Students. The Graduate Students voiced their opinion to the President of NJIT, Dr. Saul K. Fenster, on issues relating to campus life, security, transportation, food, etc. The Graduate Student Association, in conjunction with the Alumni Association, presented a “Professional and Managerial Growth Through Communication” on November 8, 1986. These programs reflect the needs of the Graduate Student Body. This was attended by over 40 students. This one-day session was conducted by Dr. Herman Estrin, Professor of English, Emeritus of NJIT and by a distinguished panel comprised of NJIT Alumni.

The GSA conducted a “Techniques of Thesis Writing Course” to enable
A. Dean Raymond Boxer and Dean Constance Murray speaking to students at the Christmas Party hosted by GSA.

Open House: This brings many of the graduate students and faculty together. This was enjoyed by many and it was accompanied by food and wine.

B. Ms. Carolyn Barrett, Registrar's Office, Mr. Stephen J. Dohnalek, Associate Director, Graduate Division, and Dr. Dino Sethi, Director - Graduate Division, at the Open House Party.

C. Gururajan R. Rao, Chairperson, GSA, introducing the office bearers of the GSA to the participants of the open house.

D & E. Graduate students enjoying the "Open House Party."
GRADUATE STUDENTS

International Film Festival
This film festival attracted a large section of the population of NJIT. The films screened were CARMEN (Spain), CHAN IS MISSING (China) PATHER PANCHALI (India), PIXOTE (Brazil), Z (Greece), KISS OF THE SPIDER WOMAN (America) and ROCKERS (Jamaica).

A. (From L to R) Naresh Nagaraj, Mr. Raj Murali, Mr. Vaheh Shahbazian, Chair, Social and Cultural Committee and Mr. Vinu Sundaresan. The people behind the success of the Film Festival.

Computer in Medicine Symposium
The GSA sponsored a symposium on computers in medicine. This event was of importance to NJIT since the panel of speakers was renowned and distinguished researchers in their respective fields of interest in medicine.

B. Biren Patel, Vice President, GSA and Raj Murali, Treasurer, GSA, at the computerized registration.

C. Dr. Nitish Thakor, Asst. Professor of Biomedical Engg., Johns Hopkins School of Medicine, spoke about 'Adaptive Filtering of Biological Signals' at the symposium.

D. Dr. David Steidley, of St. Barnabas Medical Center, spoke about 'Computers in Radiotherapy' at the symposium.
GRADUATE STUDENTS

Dr. Janos Sztipanovits of Vanderbilt University speaking at the Symposium on Artificial Intelligence Applied to Medicines

Dr. Charles Robinson, Of Hines, VA Hospital, Chicago, speaking on Microprocessors to Aid the Handicapped at the Symposium.

John Andrews, Secretary, GSA and Raj Murali, Treasurer, GSA at work during the Symposium.

The staff of the Graduate Division: From left: (Sitting): Mrs. Tessa Alleyne, Secretary, Mr. Stephen J. Dohnalek, Associate Director, Dr. Dino Sethi, Director, Mrs. Betty Bulbach, Secretary, (standing) from left: Arvind Tewari, Andreas Christou, and Sridhar Chekuri, Graduate Assistants, and Mrs. Twania M. Lewis, Secretary.
A & B. President Fenster delivering his speech at the GSA's annual recognition luncheon at the Hilton Gateway in Newark, while Mr. Gururajan Rao looks on.

C. President Fenster and Dr. Gary L. Thomas, keenly observing the proceedings of the recognition luncheon.
GRADUATE STUDENTS

1 ROW
OCHIABUTOR ACHINIVU
BROOKLYN, NY
CIS, MS

SAEED AHMAD
NEWARK, NJ
ARCH., MS
SENIOR ARCHITECT - GOVT. OF PAKISTAN
MEMBER - A.P.I. ARCH. AND TOWN PLANNERS

REZA AHMADIZADEH
HACKENSACK, NJ
CE, MS (HONORS)

PAOLO AMADIO
SUMMIT, NJ
ME, MS
PI TAU SIGMA, ASME, DEANS LIST FALL 1986, '85 AND SPRING '86

2 ROW
EDGARDO AMATO
NEWARK, NJ
SEONGHO AM
KEARNY, NJ
ME, MS

AHMED ANSARI
NEWARK, NJ
CE, MS
ASCE

ARMANDO ARCECNAL
PISCATAWAY, NJ
WASTE MANAGEMENT, MS
EN. ENGR. - THE PORT AUTHORITY OF NY & NJ

3 ROW
ALFRED M. ASCIONE
WAYNE, NJ
EE, MS

MOHSEN BASTAWROS
HAZLET, NJ
ME, MS

AMOD BHARGAVA
EDISON, NJ
CIS, MS

GEORGE DARIO CADABONA
BLOOMFIELD, NJ
EN. E, MS

4 ROW
PRESDON CANZIUM
IRVINGTON, NJ
CH. E, MS
A.C.L.S. AICHE, SIGMA XI, ASEE

POA FA CHANG
NEWARK, J
CIS, MS

YAOHSIN CHANG
BELLEVILLE, NJ
CIS, MS

MICHAEL CHAO
PARLIN, NJ
CIS, MS
L TO R
1 ROW
CHIHWEI DAVID CHEN
HARRISON, NJ
ME, MS
CHI YUN CHEN
KEARNY, NJ
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KEN-GEN LU
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EE, MS
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1 ROW
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SAN JOSE, CA
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LEVITTOWN, PA
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EDISON, NJ
CIS, MS
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PRITY MEHTA
PIASCATAWAY, NJ
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TAU BETA PI, UPSILON PI EPSILON,
KUCKLINSKY SCHOLARSHIP
RAJAMANI MURALIDHARAN
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3 ROW
C. NALLAINATHAN
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EE, MS
CHAIRPERSON, SPECIAL ACADEMIC
SEMINAR, GSA
SANG-CHOON PARK
FLUSHING, NY
CIS, MS
<table>
<thead>
<tr>
<th>FROM L TO R</th>
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<tr>
<td><strong>1 ROW</strong></td>
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| JAGDISH PATEL  
PASSAIC, NJ  
CIS, MS |
| KEYUR PATEL  
BELLEVILLE, NJ  
CIS, MS |
| PRASHANT PATEL  
JERSEY CITY, NJ  
En.E, MS |
| ASCE, AICHE, REPRESENTATIVE GSA |
| **2 ROW** |
| LIODI DERERA  
ELIZABETH, NJ  
CIS, MS |
| AJAY PODDAR  
EDISON, NJ  
CIS, MS |
| MICHAEL QUINLAN  
NEW MONMOUTH, NJ  
CE, MS |
| RAMIN RAHIMASSA  
JERSEY CITY, NJ  
ME, MS |
| **3 ROW** |
| MOUNUDUR RAHMAN  
NEWARK, NJ  
ME, MS |
| SREENIBASAN RANGANATHAN  
ATCO, NJ  
CIS, MS |
| GURURAJAN R. RAO  
NEWARK, NJ  
BI, MED. E., MS |
| PRESIDENT GSA 1986-87 |
| ABDUL RAZAK  
ELIZABETH, NJ  
MS, EM |
| **4 ROW** |
| RISTIC VOJISLAV  
NEWARK, NJ  
ARCH, MS |
| THOMAS PATRICK ROCHE  
HADDON TOWNSHIP, NJ  
CONSTRUCTION MANAGEMENT, MS |
| SADHAN KUMAR SAMAL  
NEWARK, NJ  
MS, CS |
| ROLAND SAGOLLA  
NEWARK, NJ  
CIS, MS |
| FULBRIGHT SCHOLARSHIP, RA FOR THE VIRTUAL CLASSROOM PROJECT |
L TO R
1 ROW
SCHLEICHER YAACOV
EDISON, NJ
EE, MS
RUDOLPH SCHWARZ
WEST ORANGE, NJ
ENGG, MGT, MS
CHARLES SERWEDES, JR.
CLIFTON, NJ
OSS, MS
SHAH ANJAY KUMAR
JERSEY CITY, NJ
ME, MS
2 ROW
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HILLSIDE, NJ
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3 ROW
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MENDHAM, NJ
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BI ROW SUN
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JERSEY CITY, NJ
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CSA, UPSILON PI EPSILON
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CARDIFF, CA
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CHINESE STUDENT ASSOCIATION, FA
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FROM L TO R
1 ROW
DUN REN TZENG
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CHIRASAKDI PETER VARUNTANYA
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WHO'S WHO AMONG STUDENTS IN
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HARRISON, NJ
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ARKANSAS, LITTLE ROCK
4 ROW
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SOUTH ORANGE, NJ
APP. MATH, MS
TA
JING HAI ZHAU
NEWARK, NJ
ME, MS
KHALID ZIA
RIDGEWOOD, NY
CIS, MS
V.P. Table

Are we in sync yet?

Adam, is this the same date as last year?

Groucho and Marilyn

Pat toasts the music makers

Once more for Tom.

Not now! I am eating.
Primed for the big party.

What a night!!

High fashion hats '87, by Sue, Joan and Gayle.

Fellows, this is a high class affair.

Take the picture and bring the food.
Konrad directs the Kappa sling.

If only my superiors could see me now.

Spring burn out.

You forget the water!
Is that pitcher for real?

Maybe yes, Maybe no. try when I finish this.

This is RH II calling, "Are there classes today?"

The Vector's final exam issue.
Happiness is knowing it's over.

Together to the end.

The candidates march begins.

Last minute preparations.

Graduation
Dr. Fenster patiently waits for a break in the celebrations.

Philly presents the colors to N. C. E.

A special moment

A pat on the back for a job well done.
Bill gives his regards.

Which way does this go?

Dean Murray, mace in hand, guards the diplomas.

Maria and Sharon enjoying the moment.

This line is almost as bad as registration.
Monica is still not sure where she should be.

Dr. Estrin gives a brief thanks for his service award.

Kappa arrives in style.

Gabrielle accepts congratulations from two underclassmen.

Color guard signals the start.
No disability is too great when there is a will to succeed.

A Step Back

Throughout the pages of the 1987 Nucleus you have seen our lives at NJIT unfold. We begin at Miniversity with our first impression of NJIT college life, and end years later with the pomp and circumstance of graduation. In between we experience the highs and the lows, knowing that in the end the sweat and tears will all pay off.

It is not easy to "step ahead" at NJIT. Those who do are a select few that deserve our respect, for many have tried before them and have failed. The yearbook staff and the NJIT community salute the 1987 graduates and those who took "Two Steps Forward".

Two Steps Forward

One Step Back
During our four years at NJIT, the Institute has pushed forward with its three fold mission of instruction, research and public service.

Instruction:
- 52 faculty members have been hired in the past three years
- there has been a 19 point increase in the average SAT scores of entering freshmen
- degree programs have added in Statistics and Actuarial Science, Applied Chemistry, Computer Science and Information Processing
- opening of the Mechanical Engineering building
- addition of more main frames and micro computers for freshmen
- renovation of Cullimore, Eberhardt, Colton and Weston
- sponsored chairs for distinguished scholars
- development of an honors program

Research:
- funded research projects increased by 600%
- a 22 million dollar Information Technologies building
- a 10 million dollar Advanced Technology Center for Hazardous and Toxic Substance Management
- a substantial increase in the number of full time masters and doctoral candidates

Community Service:
- over 700 residents of Newark are presently enrolled in programs
- Newark residents account for 2/3 of the students in our Center for Pre-College Programs
- a joint program with the three other public institutions to encourage development in the vicinity of the campuses

The Institute is striving to meet its goals and working significantly harder to be the best.
Information Technologies

Excavation for T. C. H. T. W.

Tech Center for Hazardous and Toxic Waste
Now Institute storage, was APO student office 305

Lines are never ending. Students wait to buy books.
The only place left to study is the floor in the Center.
I can't find a table that doesn't tip.
Stepping Back

The four year (five for some of us) journey has finally ended, but the memories will linger:
- increased parking but no place to park
- increased fees but less money in the student budgets
- new student offices that turned out to be cell blocks in a damp basement
- a cafeteria that made my high school dining facilities look like "Windows On the World"
- trying to fit six softball games on to Wasson Field
- classes that were always closed at registration
- lines everywhere - registration, finance, computer terminals, cafeteria, parking lots
- looking for that special spot to study or relax, now that the second floor of the Center is gone
- spending hours sleeping and studying in your car in the parking lot
- waiting for the elevator to work in Residence Hall I
- playing frisbee on the green
- the all student picnic
- mixers and fraternity parties
- the ever controversial comedy shows

As the journey of student ends, and the one of professional and NJIT alumnus begins, we must remind President Fenster of a quote of Dr. Paul Gray that he used in his President's report: "engineering and technology are both natural and socially derived enterprises... They offer suggestions of agenda for scientific inquiry... Ultimately, this inquiry and these enterprises must rest where they begin, with concern for the human condition." And thus as he pushes NJIT into a position of national prominence in the coming decade, let us alumni keep reminding Dr. Fenster that it's not only buildings that make NJIT great, but it's students, and they need more than classrooms and labs if they are to deal with extraordinary demands of our society. Let the journey begin.
OFFICIAL YEARBOOK PHOTOGRAPHER

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