







# Foreword

Let us dispense with the conventional sentimentality that one is accustomed to find under the heading "Foreword" in a volume like this. The Nucleus has been designed to reflect your experiences at school over the last several years with special emphasis on this, your last year at N.J.I.T. Because we are primarily a commuter school and a technical school, we have taken "Transportation" as our theme. We offer this yearbook to you, the graduating class of 1983 as a compendium of your college experience.

1983 NUCLEUS STAFF



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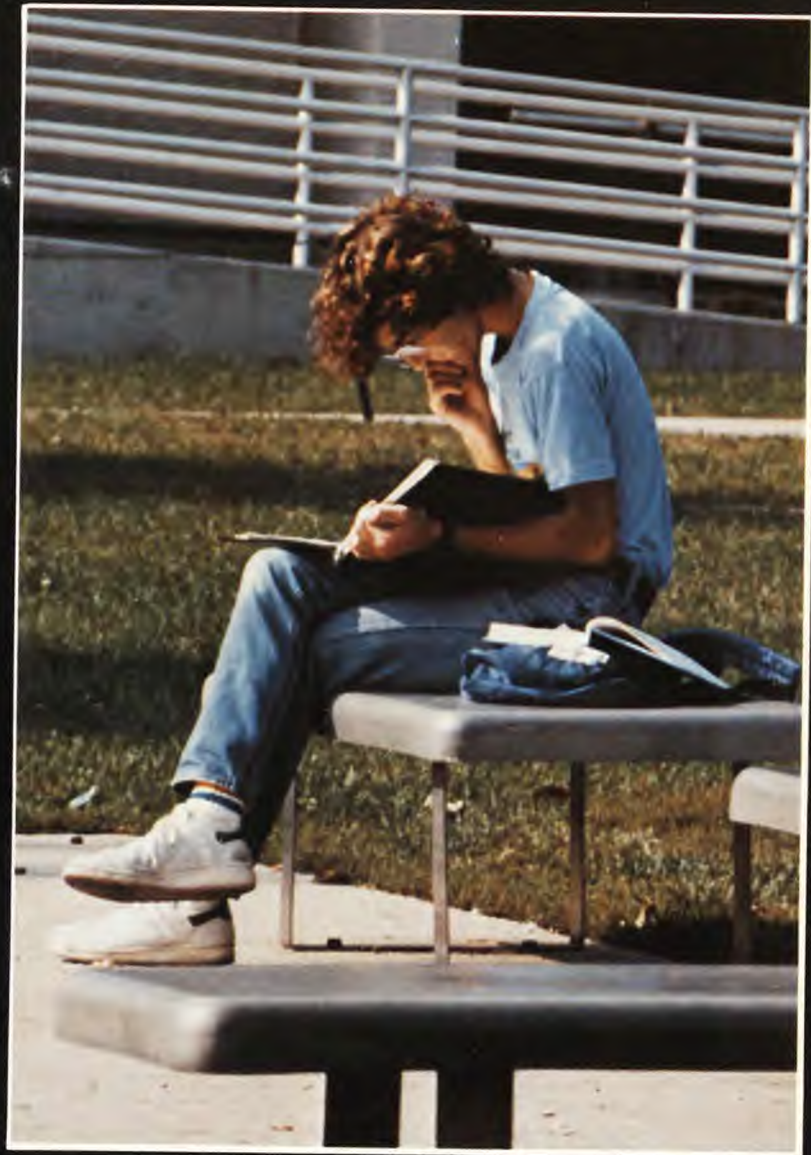
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Once upon a time, an old high school teacher of mine told me that school was the safest place in the world to be. It is only now that I realize just how important that thought was.





School was perhaps the last bastion of security before one was on their own. School represented protection, as well as education. But not all education came from school, and somewhere buried underneath those words of wisdom I suppose that was what he was trying to say.





Most education is learned by the seat of one's pants, and if a philosopher has not previously said that before, then remember that you heard it here first.

Most education comes by way of the School of Experience. The School of Experience requires a certain amount of street smart values. There are no SAT's, no classes, no text or semi-formal, but plenty of tests.

o





Does the road wind uphill all the way?

Yes, to the very end.

Will the day's journey take the whole long day?

From morn to night, my friend.

But is there for the night a resting-place?

A roof for when the slow dark hours begin.

May not the darkness hide it from my face?

You cannot miss that inn.

Shall I meet other wayfarers at night?

Those who have gone before.

Then must I knock, or call when just in sight?

They will not keep you standing at that door.

Shall I find comfort, travel-sore and weak?

Of labor you shall find the sum.

Will there be beds for me and all who seek?

Yea, beds for all who come.

Christina Rossetti







There are many cumbersome ways to kill a man: you can make him carry a plank of wood to the top of a hill and nail him to it. To do this properly you require a crowd of people wearing sandals, a cock that crows, a cloak to dissect, a sponge, some vinegar, and one man to hammer the nails home.

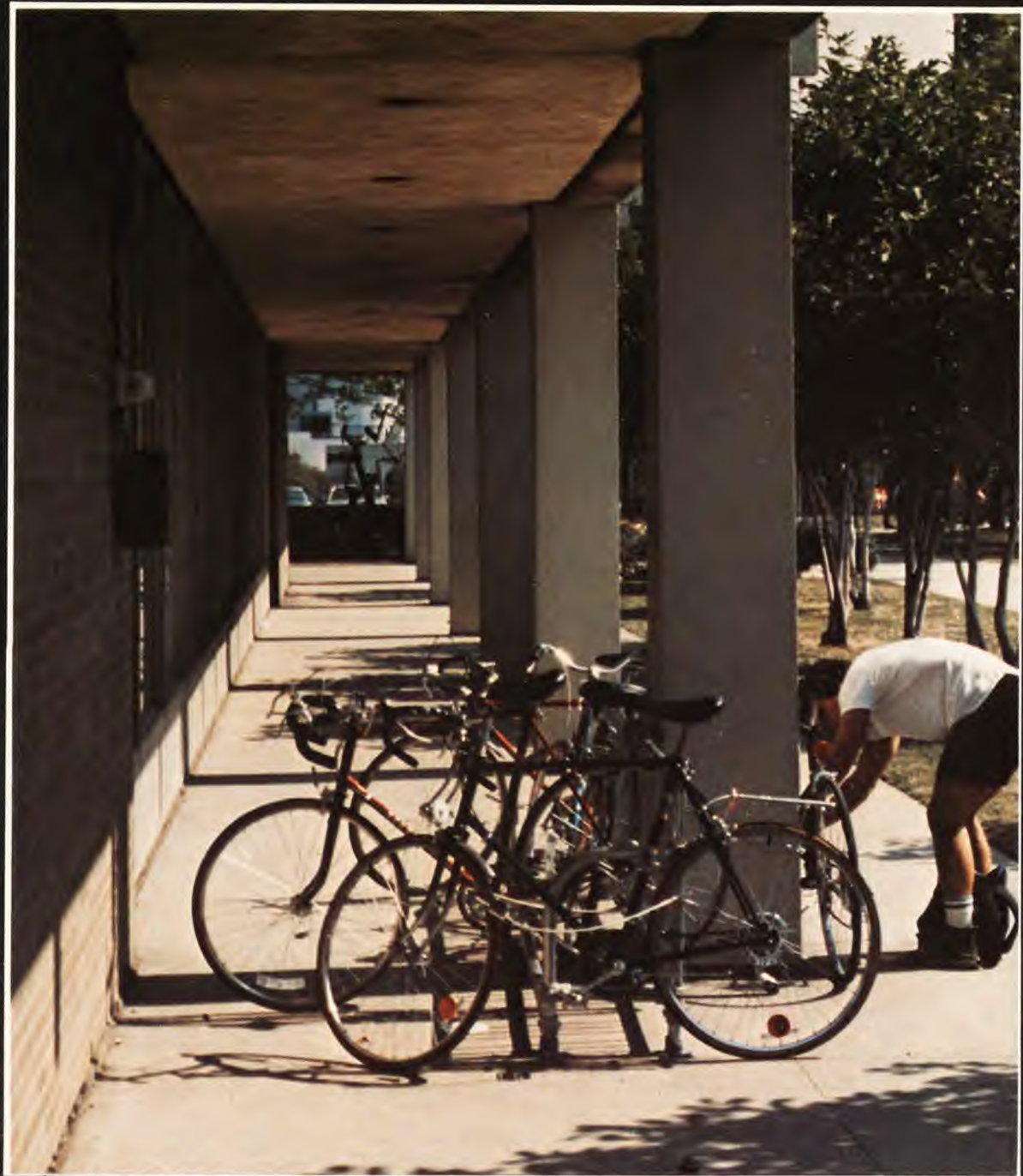
Or you can take a length of steel, shaped and chased in a traditional way, and attempt to pierce the metal cage he wears. But for this you need white horses, English trees, men with bows and arrows, at least two flags, a prince and a castle to hold your banquet in.

Dispensing with nobility, you may, if the wind allows, blow gas at him. But then you need a mile of mud sliced through with ditches, not to mention black boots, bomb craters, more mud, a plague of rats, a dozen songs and some round hats made of steel.

In an age of aeroplanes, you may fly miles above your victim and dispose of him by pressing one small switch. All you then require is an ocean to separate you, two systems of government, a nation's scientists, several factories, a psychopath and land that no one needs for several years.

These are, as I began, cumbersome ways to kill a man. Simpler, direct, and much more neat is to see that he is living somewhere in the middle of the twentieth century, and leave him there.

Edwin Brock

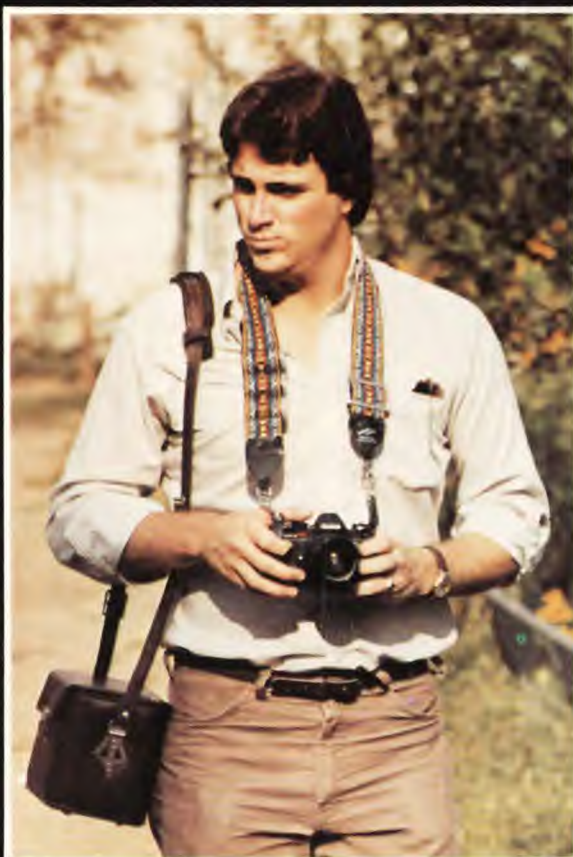




In the School of Experience, job interviews in three-piece suits are the exception rather than the rule.







# Dedication





This year, our dedication takes a change of pace. It is not in honor of an outstanding faculty member, nor a member of the administrative department. It is someone who started eight years ago as a receptionist for the student center. Now she is much more.

She is someone who we have all dealt with during our years at N.J.I.T. and she is the nerve center of the campus. She is the link between the students and the "powers that be". Indeed she symbolizes what the student center is.

As a mother of four children who have gone through college, she understands the problems students face. She tries to help, advise, direct, and befriend.

It is for this, your friendship and your wisdom, that we dedicate the 1983 Nucleus to you Rose DelVecchio.







A Tribute to Glenn Wrigley;



Our inkslinger, our visionary, even by the dawns early glow he is putting words of wit down in print. He is a many faceted young fellow, with experiences most people wouldn't dream of.

But seriously . . . Without Glenn's thoughts, ideas and dedication, this book would not have been possible. Thank you Glenn.

Year after year, the faces change as do the personalities. Despite these changes, the goals always remain the same. The space they occupy, although physically unaltered, is left with an indelible mark in our minds.



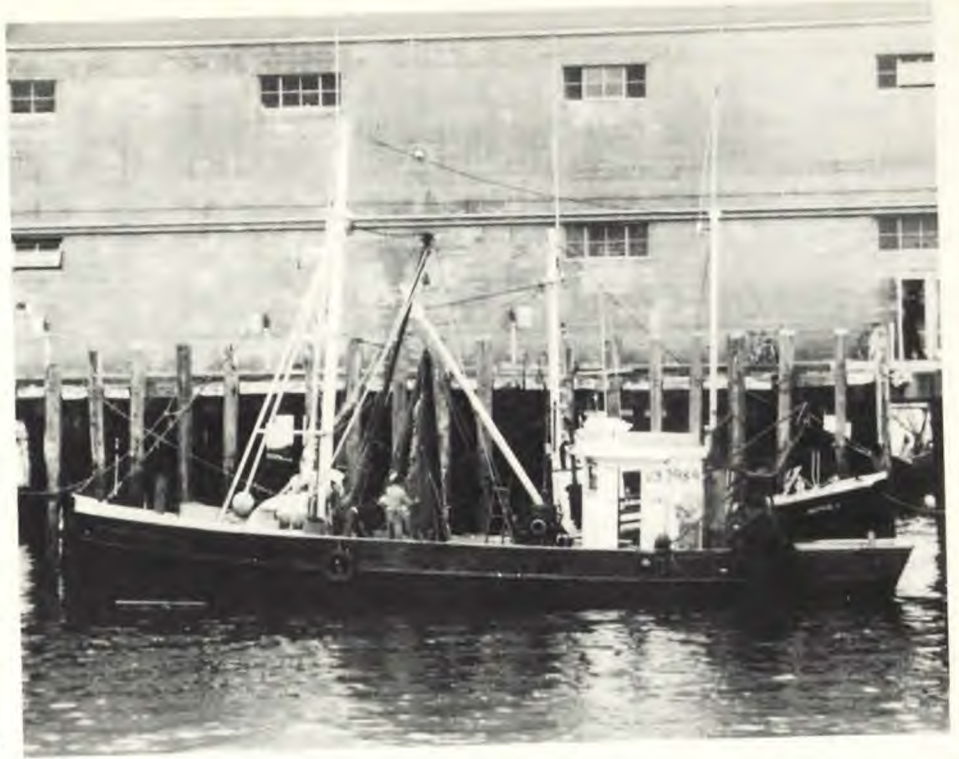






*... Get Geared  
for Cycling*





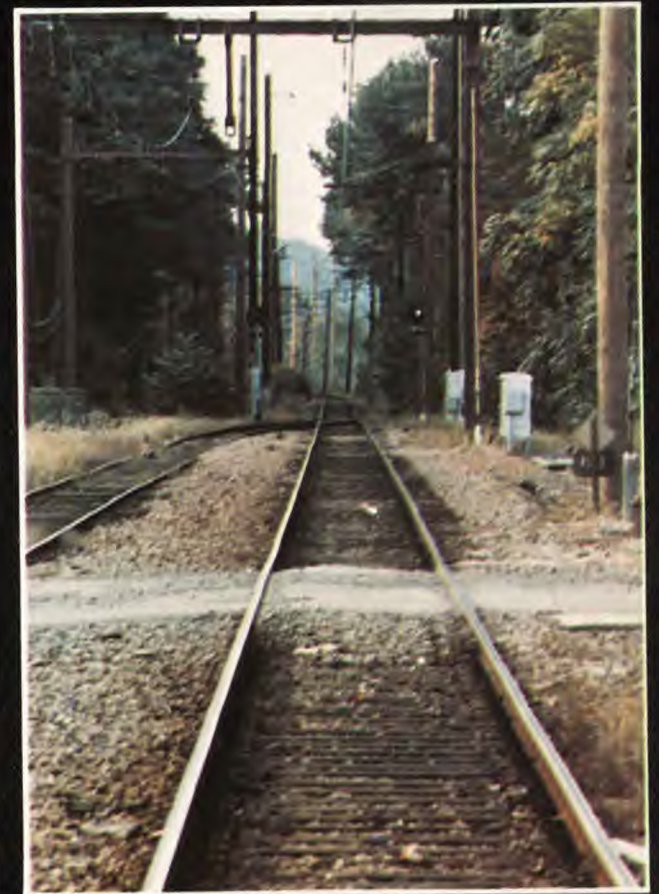
*Name Your Poison*



The first time I ever encountered the NYC Subway system was back in my first year of architecture. My instructor sent me to analyze a painting at the city's Guggenheim Museum. It seems that I loused up the directions and wound up in Coney Island. The day was not a total loss though. I got to ride the Cyclone for the first time.



















## Live in the Big Outdoors



Absolute Privacy

The Schilling Auto Camp adds the joy of camping to the pleasure of touring. Put up or taken down in a jiffy. With your car equipped with the Auto Camp you are independent of hotels and free from the worry of having to "get somewhere." Stop where you like and stay as long as you want.

## Schilling's Auto Camp

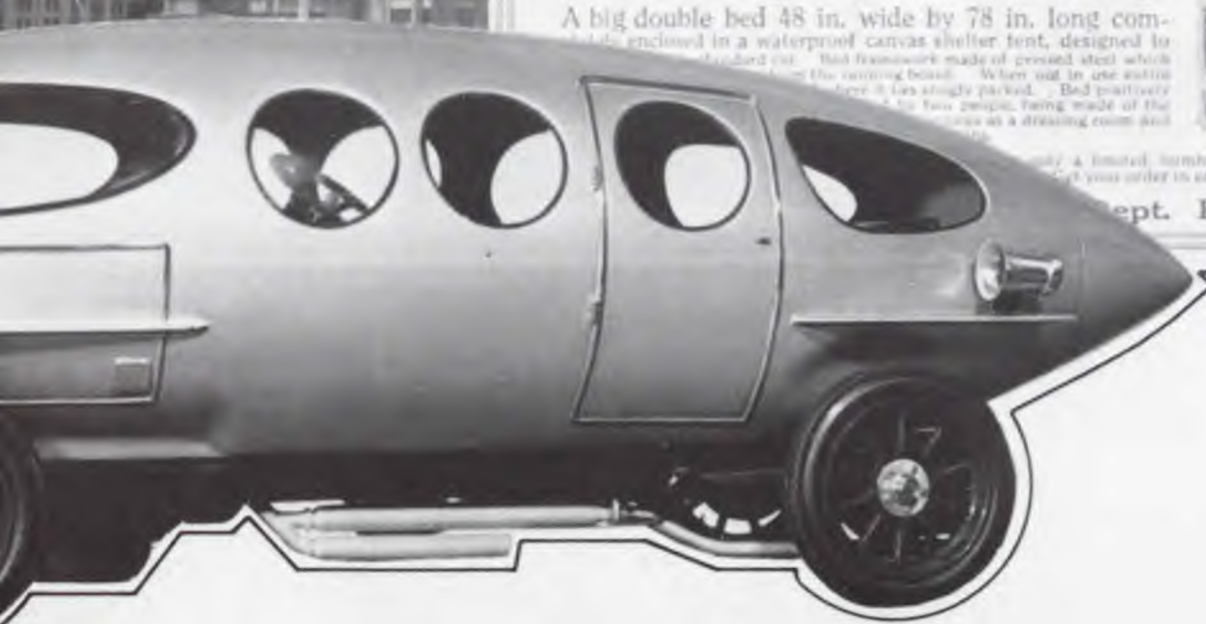
A big double bed 48 in. wide by 78 in. long completely enclosed in a waterproof canvas shelter tent, designed to fit standard cars. Bed framework made of pressed steel which folds into a carrying board. When out in use entire car is snugly packed. Bed positively fits two people, being made of the finest material as a dressing room and



Packed on Running Board

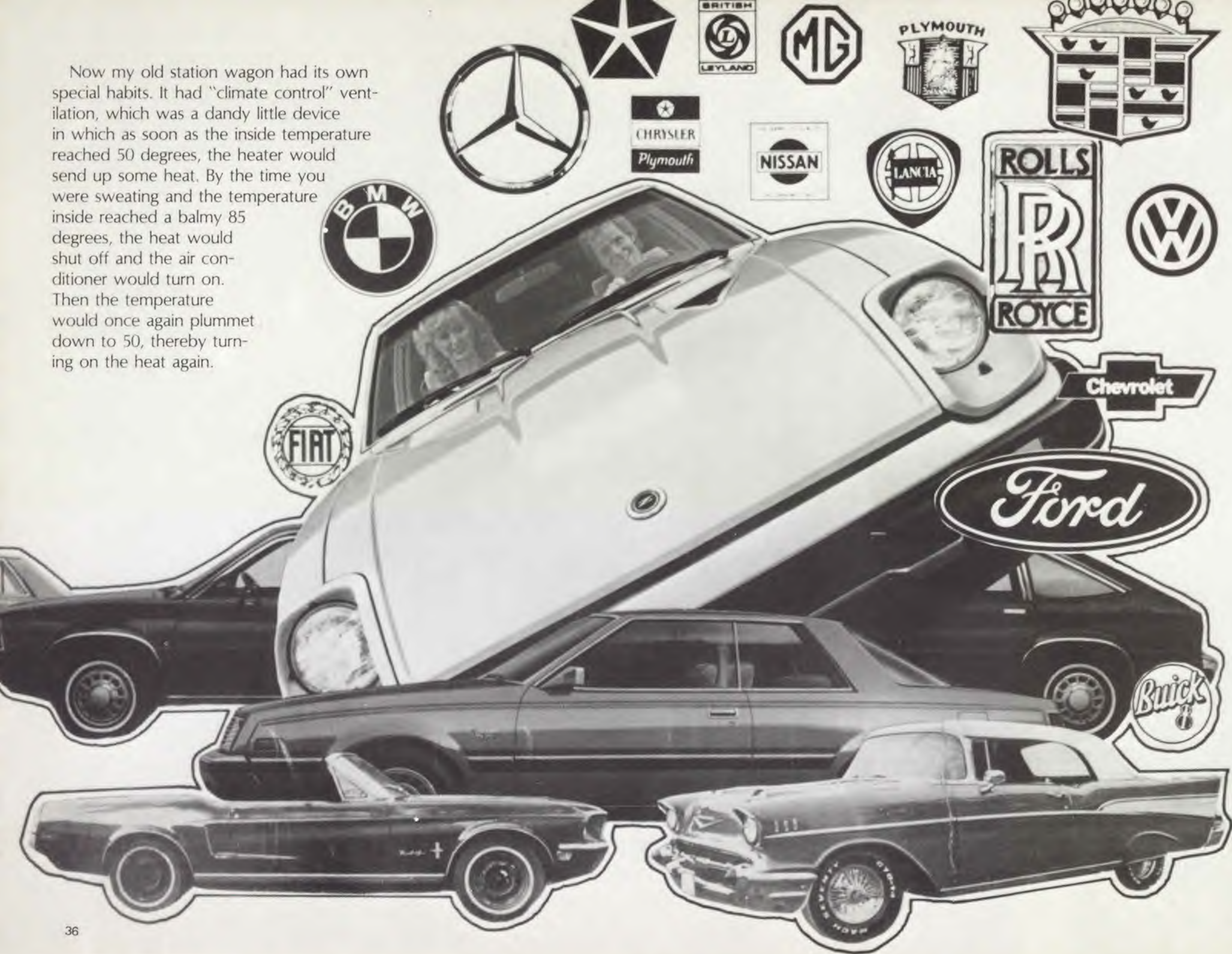
Only a limited number of these are left. Order in early.

Sept. B, Salem, Ohio



Buying a used car was an education. It taught me never to do it again. This next car had lots of character (and plenty of rust). On top of the air cleaner was this printed message, "This assembly should be replaced every 50,000 miles." I found out later that they were referring to the whole engine. The car had two speeds, too fast and too slow.

Now my old station wagon had its own special habits. It had "climate control" ventilation, which was a dandy little device in which as soon as the inside temperature reached 50 degrees, the heater would send up some heat. By the time you were sweating and the temperature inside reached a balmy 85 degrees, the heat would shut off and the air conditioner would turn on. Then the temperature would once again plummet down to 50, thereby turning on the heat again.





I once considered the purchase of a brand new car. It listed for \$5195, but I decided that I wanted a few "options". I wanted some paint, four tires, seats, a floor, and since I was going that far, I figured an engine would also be very nice.

What always astounds me is the wide variety of automobiles to choose from. "Go to just about any parking lot and I doubt you will ever find two cars that are quite the same."



In no time at all I officially became a college student driving an official college student car. Not too long after that I received my very first official parking violation. I had now been baptized, and suddenly my eyes began to notice little signs that were now bigger than life.



NO PARKING  
HERE TO CORNER  
Mon, Wed, Fri  
2-4 pm, 6-8 pm  
Except  
Alt. Tue. Thurs.  
12-2 pm, 4-6 pm  
Except  
Every third Wed.  
2-4 pm, 4-6 pm, 6-8 pm  
Except  
For Snow Removal  
Except  
Alt. Mon.  
2-4 pm, 6-8 pm  
Except  
February or  
Partial Eclipse





NJIT LOT  
#933091  
PEORIA  
CLOSED  
(TRY KANSAS)



PARKING RATES/CUSTOMER PARKING

Day Rate:

Monday-Friday — 6am — 6 pm

.75 first hr. or part

\$1.00 first hr. or part

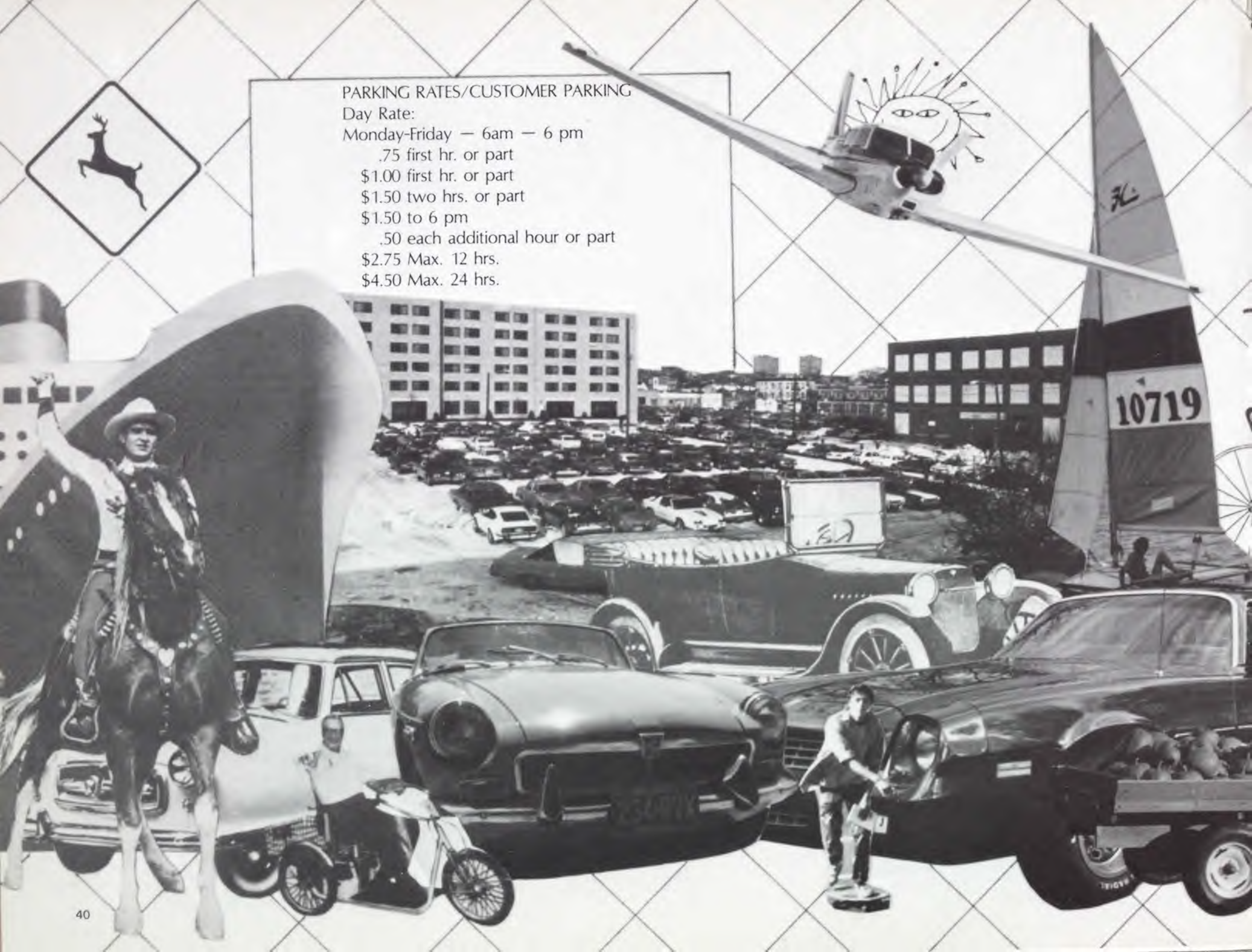
\$1.50 two hrs. or part

\$1.50 to 6 pm

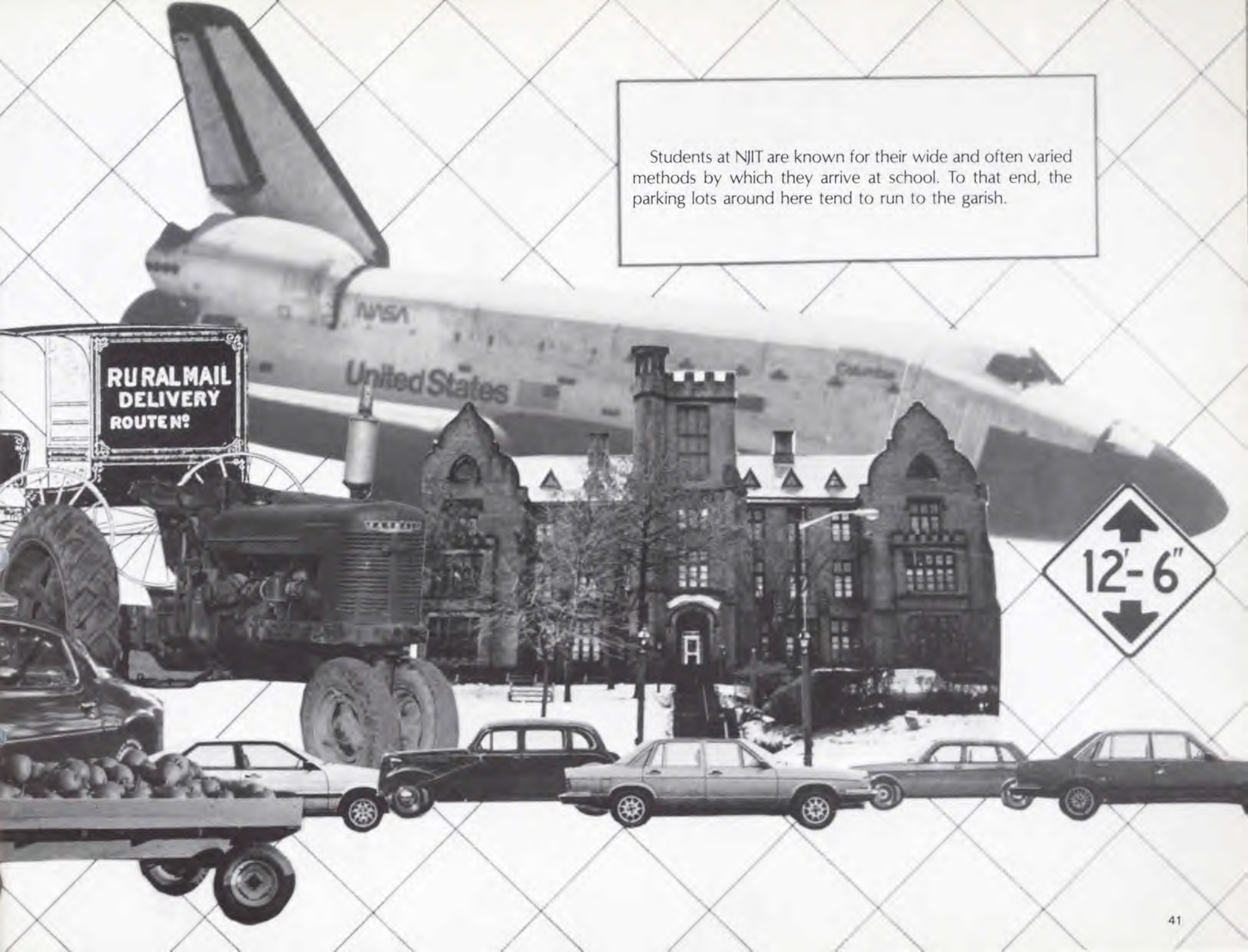
.50 each additional hour or part

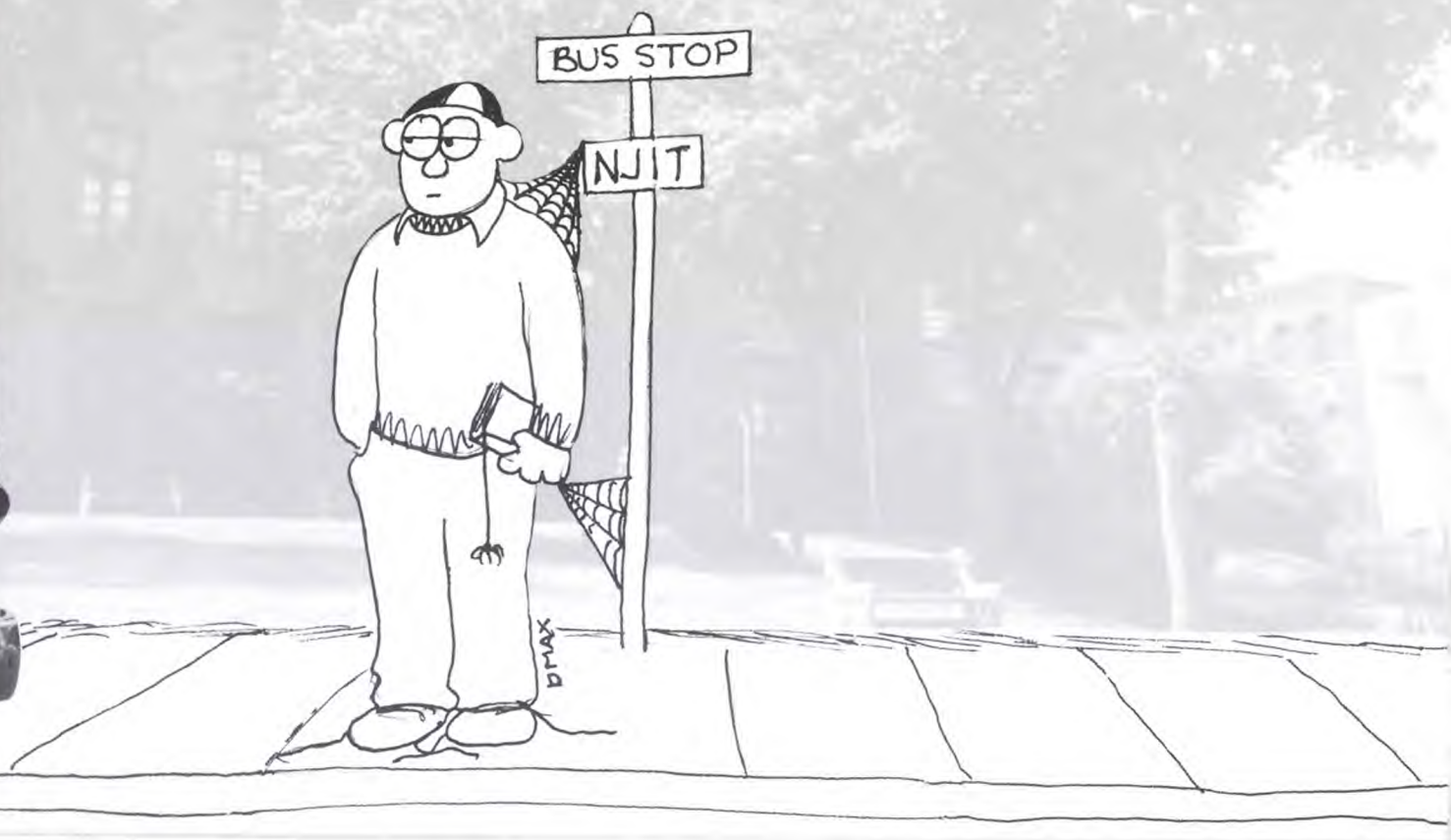
\$2.75 Max. 12 hrs.

\$4.50 Max. 24 hrs.



Students at NJIT are known for their wide and often varied methods by which they arrive at school. To that end, the parking lots around here tend to run to the garish.





I've got those Conrail Blues  
Down from my head to my shoes  
I'm at the station by eight  
But yet the train's always late  
I've got those Conrail Blues —  
Those Conrail Blues

I've got those Conrail Blues  
Always the same bad news  
The train is dirty and cold  
"It's being fixed" I am told  
I've got those Conrail Blues —  
Those Conrail Blues

I've got those Conrail Blues  
From just expressin' my views  
They charge eight-fifty round trip  
I'd get there faster by ship  
I've got those Conrail Blues —  
Those Conrail Blues





Today's more health oriented society considers a light exercise program, such as jogging, a good way for one to pick themselves up and get back into shape. After several weeks of "intense physical training", I can truthfully say I am a physical wreck. All of these exercise programs include some calorie counting hints for dieting. This means that in exercise, there is a lot of math involved. I don't like quantitative trigonometry in my exercise program. It makes me nervous and fat.



59c  
94864 07

# The Official JOGGING HANDBOOK



**THERE ARE TRICKS TO EVERYTHING! HERE ARE THE SECRETS BEHIND SUCCESSFUL JOGGING**

A jogging and diet program to help you lose weight and look terrific!





Proper NJIT Jogging Stance

After all, what can fifteen minutes of jogging do to hurt . . . read on.

1. **Jogging gives you a new lean look to your legs:** I certainly notice a new lean look to my hip pocket. Jogging for status seekers can be expensive. Everybody needs "the look" which includes a double knit Addidas suit with matching sneakers, Calvin Klein sweatbands, and a combination stopwatch/pedometer guide that gives your heart rate, pulse rate, checkbook balance, etc.

2. **Jogging is good for complexion and posture:** After running in 10 degree weather, my complexion is a nice shade of blue. As for the posture, standing straight and erect enables me to reach tree branches, clotheslines, car antennas with incredible ease.

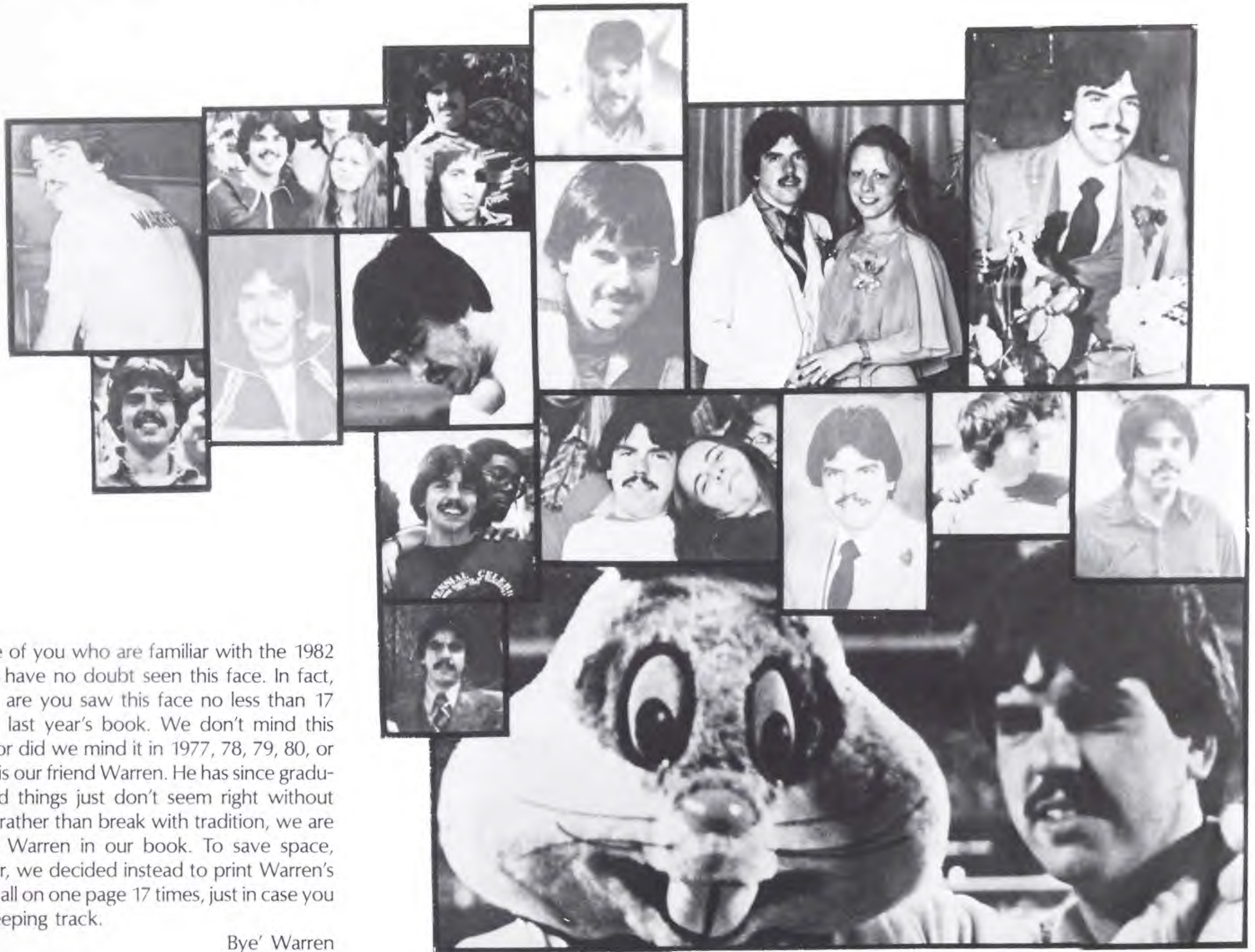
3. **Jogging can cure insomnia:** This is quite true, but the timing is not always right. Of course nodding off at parties and social gatherings makes good conversation, however the excuse that you are "experiencing physical fitness" starts to wear thin.

4. **Jogging eases tension:** That depends on the neighborhood you jog in. Most Central Park joggers operate switchboards by day to relieve the tension of jogging.

5. **Jogging is marvelous for the mental faculties:** Then why is it that so many joggers get lost in the suburbs. Take any tract development in America with its winding roads, stick a jogger in the middle and tell him to find his way out and you have just re-created one of those rat mazes the army used in psychological testing in the fifties. Smart joggers always leave a trail of bread crumbs.

6. **Jogging is good for sex:** Not if you have cured insomnia (rule 3).

# Warren Stroedecke(s)



Those of you who are familiar with the 1982 Nucleus have no doubt seen this face. In fact, chances are you saw this face no less than 17 times in last year's book. We don't mind this really, nor did we mind it in 1977, 78, 79, 80, or 81. This is our friend Warren. He has since graduated and things just don't seem right without him. So rather than break with tradition, we are keeping Warren in our book. To save space, however, we decided instead to print Warren's pictures all on one page 17 times, just in case you were keeping track.

Bye' Warren



To all my friends from here to there who for the last five years have made life in the big city far from mediocre, I bid you a fond adieu.

G.W.





*THE PARTING OF THE RED TAPE*

The overseeing of the day-to-day operation of a college is no easy task. Anyone in the position of Dr. Fenster's responsibility knows well that the key to a smooth-running organization is a well organized and capable staff, in addition to a college president with a sense of judgment and little humor for those long afternoon meetings.

After four full years at the helm of NJIT, Dr. Fenster has proven his worthiness in all of the above categories and then some. In a period of rapidly changing times and rapidly shrinking budgets, the administration in conjunction with the students has attempted to bridge budget gaps as well as possible while offering the most comprehensive education available. This is a tough task. But a tough yet flexible administrator can handle the job.



Dr. Saul K. Fenster  
President of the Institute





Sanford Greenfield  
Dean of the School of Architecture



Yi-Yuan Yu  
Dean of the School of Engineering

As the School of Architecture undergoes an expansion and modernization of its facilities, the school faces serious questions and challenges regarding the important role of the architect in the world today and how this very young school can best prepare its graduates to meet those challenges.

Sanford Greenfield and his staff are making an attempt to prepare the architectural student for those professional challenges, for as the physical face of the school changes, so does its curriculum.

Dr. Yi-Yuan Yu is about to start his second full year as the Dean of the School of Engineering. His task involves the overseeing of all of the various engineering departments which comprise better than 90% of all NJIT students, a difficult task second only to the running of a college.

As a noted member of his profession, Dr. Yu brings with him all of the much-needed tools of a top administrator. Such talent is a valuable attribute to a top engineering school.



GARY THOMAS  
Vice-President of Academic Affairs







(from l. to r.)  
Anne Wright  
Assistant to the Dean of Students  
Robert A. Hedesh  
Coordinator for Evening Students  
Programs/Fraternity Advisor  
Dr. Constance Murray  
Dean of Students  
Ray Boxer  
Associate Dean of Students  
Judy Ann Valyo  
Associate Dean of Students



Rosemarie Gianetta



Neil D. Holtzman

The Office of Admissions is perhaps the first and foremost checkpoint for the well-being of a college and its student body. A school is only as good as the people who make up its content. The admissions office selects from thousands of applicants each year those who appear best suited to handle the academic standard set at NJIT.



James Kontje



Henry McCloud



But more than just a screening device, the admissions office is there to provide the first assistance to the high school student wishing to attend NJIT. The staff acts as a liaison to the many students and high schools from around the country who inquire about the education benefits of the school and the professions they offer.



Joseph Thompson

The Office of the Registrar has always evoked a somewhat forboding sense of adventure to the average college student. Such a pre-conception is actually a misconception of the important accounting role of the office. The Registrar's Office has available the most up-to-date record possible of your years at NJIT (which in some case may work against you), but often it works for you.



Margaret Sullivan



Carolyn Barrett





Jo-Ann Dixon  
Director of Alumni Relations



Judy Nichols  
Director of Alumni Development

One could say that the Alumni offices are the opposite of the Admissions offices, one deals with entering while the other deals with leaving. That's not quite the case.

First, no school ever ran on just its good looks. It runs on money, and also the reputation of its graduates. One of the most important contributions to a college is what its graduates give back to the school in prestige, dignity, and often — alumni contributions which fund expansion of the school.





Ann-Marie Mignelo  
Head Clerk

Andy Helton  
Food Service Supervisor



Lou Nocito and his crew.

Now we have all heard countless volumes of cafeteria jokes ever since kindergarten, and I'm sure nobody can recite those jokes better than the cafeteria staff of any school. The food service staff of NJIT earns their keep, however, and no joke has ever stopped anyone from still enjoying a meal (no matter how short one's lunch-time is) at NJIT.

The staff works from sunrise to sunset and they perform one of the most important (and least recognized) tasks at school. For their efforts, this page is for them.





Bruce Solomon  
Institute Attorney





323 High Street  
Newark, New Jersey 07102



TO: All Senators  
FROM: Budget Committee  
RE: Annual Financial Report - 1983

Annual Income

Income from Seanators winning  
at Meadowlands.....\$12,644.00  
Blackmail Operations:  
    From Faculty.....104,721.05  
    From Students.....72.00  
Sale of Books.....23.16  
Sale of 1977 Plymouth Volare.....1,850.00  
Carpet Shampooer Rental.....700.00  
Sale of Beer and Cigarettes to:  
    Orientation Groups.....11,321.77  
    Miniversity Freshmen.....29,107.19  
Sale of Tiernan Hall to  
    Newark Housing & Redevelopment....12.08  
Wagering on Holmes/Cooney Fight.66,349.00  
Rental of Dean's Car  
    During School Hours.....715.00  
Kickbacks on Parking Tokens.....12,078.50  
Garage Sale.....23.77  
Financial V.P. Hobby:  
    (Printing \$20 Bills).....420,000.00  
Gift from "Retired Senate  
    President's Pension Fund".....15,000.00  
Found in Colton Hall.....5.00  
Sale of Miniversity T-Shirts.....611.93  
Offerings Collected by Senate  
    President while posing as  
    Deacon of Church.....592.44  
Sale of Subscriptions to  
    Popular Mechanics.....9,711.58  
Use of Lab File.....14,133.08  
Deposits on "Empties".....4,231.27  
Donations.....05  
TOTAL.....\$813,902.87

Annual Expenses

New Lear Jet Payments.....\$332,958.94  
Printing Costs.....17,215.00  
Tickets from Wildwood, N.J. as:  
    Speeding.....250.00  
    DWI.....150.00  
    Overdue Parking.....75.00  
    Other Convention Expenses.....800.00  
Replacement of 1977 Plymouth Volare....1275.00  
Alimony Payments (12 @ 600.00 mo.)...7200.00  
Staff Salaries.....260,000.00  
Office Supplies.....1.12  
School Supplies.....385.75  
Bail for Senators after Convention  
    (7 @ 100.00 ).....700.00  
Expenses after audit.....10,500.00  
Lower Box at Yankee Stadium.....1,250.00  
Engraving of Dean's Signature.....9.35  
Telephone Expenses:  
    Business.....3.13  
    Personal.....947.27  
    Admin. V.P. ....1217.38  
Vagrancy Charges Against  
    Neale Bedrock.....200.00  
Legal Expenses.....10,368.79  
Membership Fees:  
    NJ Student Assoc. ....550.00  
    Forsgate Country Club.....23,149.00  
    RCA Music Service.....3.00  
    Tom Sellack Fan Club.....25.00  
Bribes:  
    Dean's Office.....5,991.00  
    Tony "Deep Six" Manzini.....10,000.00  
    Staff Refreshments.....26,741.10  
Unaccounted For.....101,078.77  
TOTAL.....\$813,902.87



## The Student Senate

If one finds themselves a bit tired of running the line of red tape that can often bog down the educational process, the student senate can from time to time cut through that tape (providing none is created at the same time). But it is worth pointing out that the voice of the student senate is a loud one and it has been known to deliver the student body from the administrative wilderness more than once.









# CLUBS

# Amateur Radio Club



The purpose of the N.J.I.T. Amateur Radio Club is to promote an interest in Amateur radio among the students on campus and further their knowledge of its methods and principles.



2. Steve D'Ercole
2. Bill Brunner
3. Jane Moy
4. Ed Mendez
5. Gene Lehman

6. Frank Schwuchow
7. Tom Cambell
8. Tony Markeuk
9. Li'l Robby Langston
10. Dan Smith

11. Phil Marsh
12. Tom Molten
13. Ed Rogacki
14. Tom Brown

# Ambassadors

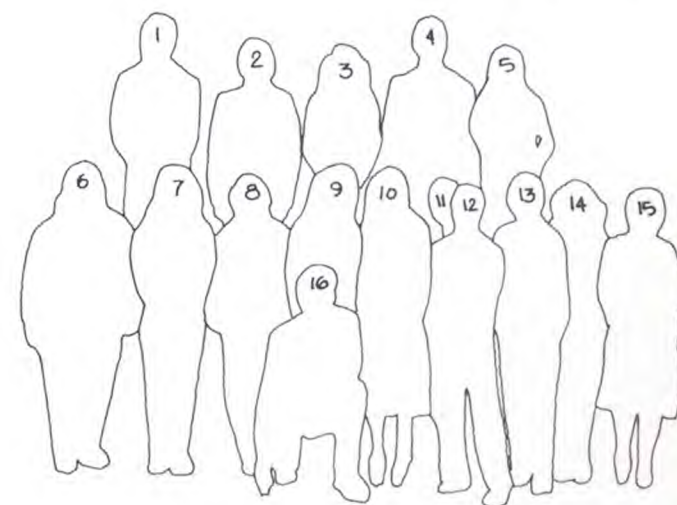


1. Chris Schenk
2. Frank Corso
3. Jean Kaminski
4. John Wehner
5. Sharon Coogan
6. Antoinette Kelleff

7. Alicia Fatjo
8. Mary Eiberger
9. Lisa Kuo
10. Cindy Schwarz
11. Sandra Krespo
12. Gene Santana

13. Marilyn Crespo
14. Fialely Colon
15. Ann Wright
16. Paul Manz

The Ambassadors is a non-profit service on campus. Its intent is to assist administrators, faculty members, or other student groups with any scheduled activity. Ambassadors provide a valuable support system at the NJIT Graduation exercises in May of each year. An Ambassador will be present to give directions to visitors as well as guided tours. They are also prepared to answer virtually any question that a visitor may have about NJIT. This group is not funded by the Student Senate, but rather it is under the direction of the Dean of Students and the Admissions Office.



# Association of Indian Students

The Association of Indian Students dedicates itself to uplift the education level of the Indian student and thereby motivate them to pursue a technological career. In addition, A.I.S. offers to the Indian Student tutoring and counseling as well as aid in the adjustment process of a new campus environment.

A.I.S. also sponsors recreational, cultural, and social activities both for its members and the campus community in an effort to bring into focus the culture, language, and customs of the Indian student to everyone.



1. Sanyog Thorve
2. Vinod Patel
3. Rajesh Shah
4. Tushar Shah
5. Jayashree Iyer
6. Devendra Patel
7. Sandeep Patel

8. Chetan Mehtal
9. Vijay Desai
10. Rupen Patel
11. Shakeel Khan
12. Vijay Patel
13. Bhadresh Pathak
14. Tarak Ravaidya

15. Meena Tailor
16. Meena Patel
17. Binita Shah
18. Prity Mehta
19. Hema Ramaswamy
20. Darshana Patel
21. Hina Patel

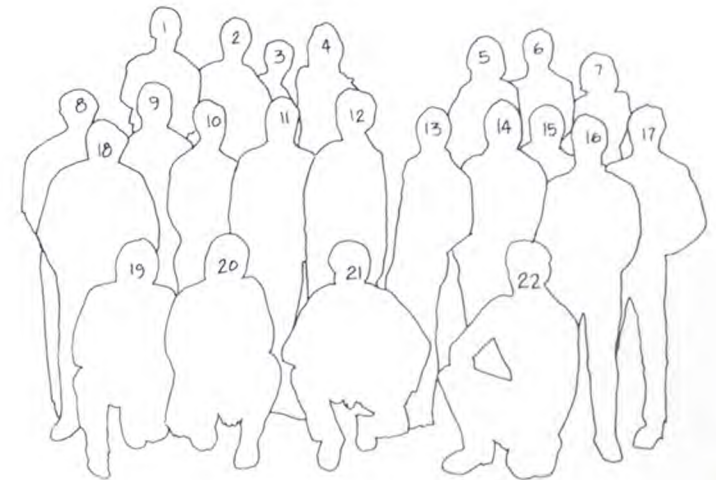


# Association of Student Civil Engineers



The Student Chapter of the American Society of Civil Engineers was founded at Newark College of Engineering on April 13, 1931. Over 50 years later, today's student chapter consists of 141 members from N.J.I.T.'s Civil and Environmental Engineering Department who are dedicated to the Civil Engineering profession and the services it provides to the community. The National Organization was founded in 1852 and today consists of over 79,000 members who all preach the society's motto, "Civil Engineering, a People-Serving Profession."

- |                    |                             |                    |
|--------------------|-----------------------------|--------------------|
| 1. Foad Sadeghi    | 8. Prof. Edward Dauenheimer | 15. Oscar Sanchez  |
| 2. Tom McFee       | 9. James Melton             | 16. Peter Longo    |
| 3. Gene Santana    | 10. Bob Forsyth             | 17. John Yakimik   |
| 4. Mary Ann Klecha | 11. Arnold Adjepong         | 18. Dr. R.J. Craig |
| 5. Susan Fritzen   | 12. Bob Parylak             | 19. Jim Lesko      |
| 6. Nick Paollela   | 13. Fred Turner             | 20. Osmanny Loy    |
| 7. Alicia Marin    | 14. Zak Lucin               | 21. Frank Fusaro   |
|                    |                             | 22. Tom Lemanowicz |



# Audio Club

Deep in the caverns of the N.J.I.T. Center, the ominous heartbeat from 'Speak To Me' governs the lives of a few determined audiophiles. This renegade band of N.J.I.T. students comprises the immortal Audio Club. They are dedicated to the incorporation of high fidelity technology into this institute. The twenty Audio Club members regularly gather in their small corner of earth to educate the masses on all forms of audio equipment usage. The participants of the club protect a sacred library of music, which through its impulses, iterates the history of the organization. This library, comprised of complex electronic and innovative progressive sounds, is constantly expanding to accomodate the diverse musical tastes of today's aspiring professional while simultaneously recording the growth of the club.

Along with advising the public about audio equipment, the Audio Club also offers a free taping service for students, faculty, and fellow student organizations.



1. Joshua Rosenblum
2. Dave Berger
3. Aykm Kusmick

4. Mike Briante
5. Tom DeHaan

6. Andy Levin
7. John (Shovelhead)
8. Darrin (Dolby B)

In Absenta: Joe Kohut, Al Wenzel

# Omicron Delta Kappa



Omicron Delta Kappa is the National Leadership Honor Society. Founded at Washington and Lee University, Lexington, Virginia on December 3, 1914, the founders stated that leadership of exceptional quality and versatility in college should be recognized, that representatives of college life should cooperate in worthwhile endeavors and that outstanding students and faculty members should meet on a basis of common interest, understanding and helpfulness.

The NJIT Circle of ODK is sponsoring the following activities for the 1982-1983 school year: toy collection for St. Michael's Hospital, the annual leadership conference, the outstanding Sophomore and Senior Awards and the annual President's luncheon.

PRESIDENT: Claudi Dauerman  
 VICE-PRESIDENT: Jennifer Stark  
 TREASURER: Professor William Percival  
 SECRETARY: Joe Mastropaolo  
 FACULTY SECRETARY: Dr. R. J. Craig  
 FACULTY ADVISOR: Dr. Arthur Greeberg

- |                       |                     |                       |
|-----------------------|---------------------|-----------------------|
| 1. Jo Mastropaolo     | 9. Denise Ballard   | 17. Robert Sblendorio |
| 2. Dr. Percival       | 10. Jennifer Stark  | 18. Jean Kaminski     |
| 3. Dr. Greenberg      | 11. Ida Perna       | 19. Tom Nelson        |
| 4. Mark Addison       | 12. Cynthia Schwarz | 20. Wendy Heller      |
| 5. Maryann Klecha     | 13. Emmanuel Ashung | 21. Guy Kulwanoski    |
| 6. Claudia Dauerman   | 14. Anita Rubino    | 22. Alicia Fatjo      |
| 7. Kenneth Bishop     | 15. William Kaiser  | 23. Dr. Dauenheimer   |
| 8. Christine Baptiste | 16. Lisa Kuo        | 24. Dr. Craig         |



# Caribso

The Caribbean Students' Organization, CARIBSO, was formed in the fall of 1975 and has grown both in membership and popularity. The club puts on two major events each year. The Cultural Week, held in April, and the Caribbean Night, in December, always turn out to be successes. In addition to these, the members participate in intramural activities, miniversity, Octobertech and many other events connected with the school. Some of the objectives of the club are: sponsoring seminars and lectures, the Caribbean student aid program, and the establishing of files on historical and contemporary texts.

PRESIDENT: Teddy James  
VICE-PRESIDENT: Russel Samaroo  
TREASURER: Paul McDonald  
SECRETARY: Geoffrey Aymer



1. Paul McDonald
2. Claud Smith
3. Russel Samaroo
4. Geoffrey Aymel
5. Teddy James
6. Preston Canzius
7. Gary Keane
8. Peter Degourville
9. Horatio Edmonson

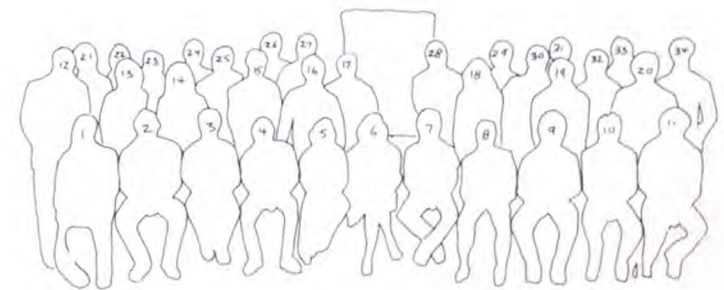


Chi Epsilon, the National Honor Society for Civil Engineers was founded at N.J.I.T. in 1958 by a group dedicated to maintaining and promoting the Civil Engineering Profession. Scholarship, leadership, practicality and sociability are the fundamental requirements for membership.

Chi Epsilon retains as its motto the Greek letters Chi Delta Chi. These three letters symbolize conception, design and construction. These are the three phases of every creative project.

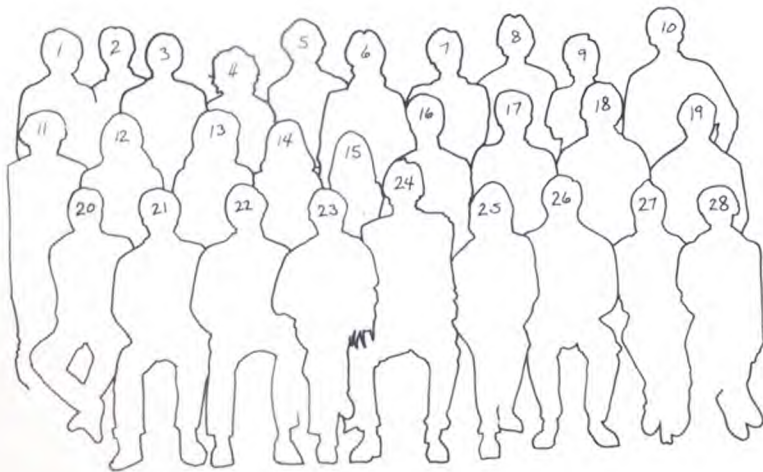
Membership is a reward for accomplishment. Chi Epsilon is a mark of excellence that is readily recognizable by others. Members, by precept and example, strive for a high standard of professional service.

- |                    |                         |                      |
|--------------------|-------------------------|----------------------|
| 1. James Williams  | 12. Dr. Robert Dresnack | 24. Dennis Hagerty   |
| 2. Dan MacDonald   | 13. Christine Baptista  | 25. Frank Fusaro     |
| 3. James Hamje     | 14. Dorothy Jackowski   | 26. Drew Markewicz   |
| 4. Nick Paoella    | 15. Chris Schenk        | 27. Rich Brown       |
| 5. Alicia Marin    | 16. Tim Phalen          | 28. Zak Lucin        |
| 6. Maryann Klechea | 17. Paul Dutko          | 29. Mark Sweeny      |
| 7. Mark Addison    | 18. Charlotte Ryden     | 30. Dominick Genaro  |
| 8. Gene Santana    | 19. Victor Mosquera     | 31. Joe Markwinski   |
| 9. Tom MacPhee     | 20. Jim Witkowski       | 32. Edwin Skrobacz   |
| 10. Mike Lanzafama | 21. Gunnar Radel        | 33. Robert Desanctis |
| 11. Robert Forsyth | 22. Joe Fatatis         | 34. Glen Thomas      |
|                    | 23. Ron Pipczynski      |                      |



# Chinese Students Association

The Chinese Student Association, founded in 1969, is one of the largest clubs on campus. It is involved in organizing social and athletic activities for Asian students here at N.J.I.T. as well as promoting Far Eastern culture among the rest of the school community. Such events as food sales, the volleyball and basketball tournaments, dances, picnics, and an Annual Culture Night are among the club's most recent successful ventures.



- |                      |                     |                    |
|----------------------|---------------------|--------------------|
| 1. Andreas Moy       | 10. John Wen        | 19. Kar Kuen Ho    |
| 2. Ku Lee            | 11. Jason Ng        | 20. David Shieh    |
| 3. Yuthasit Maliphol | 12. Tsung-Ming Feng | 21. James So       |
| 4. Penny Moy         | 13. Ni Gyr-Wen      | 22. Thomas Tse     |
| 5. John Hsu          | 14. Irene Leong     | 23. Dr. George Lei |
| 6. Henry Lam         | 15. Susanna Lam     | 24. Joe Lin        |
| 7. Ti Chi Vuong      | 16. Allan Lam       | 25. Helen Eng      |
| 8. Charles Lin       | 17. Chung Yin Yip   | 26. William Wong   |
| 9. Leopaldo Reyes    | 18. Dave Chung      | 27. Ellen Louie    |
|                      |                     | 28. Susan Li       |

# Christian Fellowship



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 is also spread each week at a book table in the Center in which free literature is distributed.

- |                    |                    |                   |
|--------------------|--------------------|-------------------|
| 1. Alia Haddad     | 6. Paul Conigliari | 9. Felipe Castro  |
| 2. Bernic Canonigo | 7. Joe Vocaturo    | 10. Jim Blabolil  |
| 3. Tom Lebryk      | 8. Francis Nwosu   | 11. Steve Andrasz |
| 4. Pete Farkas     |                    |                   |



# Eta Kappa Nu

The Gamma Kappa chapter of Eta Kappa Nu, the Electrical Engineering Honor Society, was founded at NJIT to stimulate and reward scholarship in the field of electrical engineering.

Eta Kappa Nu members engage in tutoring programs and sponsor seminars by engineers and businessmen. The chapter also sponsors plant trips for its members.



1. Edward Pisciotta
2. Anthony Kulesa
3. Paul Bunce
4. Alfred DeSeta
5. Paul Manz
6. John Cowley

7. John Rawlins
8. Matt Modsitt
9. Vincent Klim
10. Howard Smith
11. Mike Smith
12. Jeff Bowcock

13. Fred Solomon
14. James Leach
15. Frank Loso
16. Al Ascione
17. Chetan Mehta



# Forensic Society



1. Chris Wrazn
2. Hasan Jafri
3. Harold Brown

4. Robert Galperin
5. Dave Maxwell

6. Pierre Levesque
7. Dr. Johnson (Advisor)

The Forensic Society at NJIT is also the Beta Chapter of the National Forensic Honor Society (Pi Delta Kappa). The Society is dedicated to the learning and practical understanding of public speaking. To this end, the group participates in forensic tournaments all over the United States. This year, plans included trips to tournaments in Pennsylvania, Maryland, Canada, New York, and Colorado.

In the next few years, the Forensic Society will play a major role in the education of engineering and architectural students who plan to enter managerial positions. They will also be working closely with the Dean of Students Office in an effort to bring recognition and respect due to NJIT in the area of public speaking.



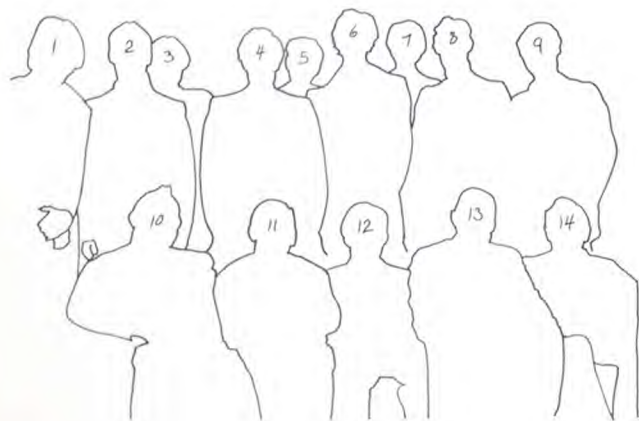
# Institute of Electrical And Electronics Engineers

The Institute of Electrical and Electronics Engineers has made many impressive accomplishments this school year. With the help of Dr. Strano, the IEEE Department Chairman, and Dr. DeLucia, the IEEE Advisor, they strove to make their organization the most professional, successful, and well-run in the institute.

The first senior project seminar of NJIT's history was run by IEEE Secretary Joe Heilmeier. It consisted primarily of a presentation of previous senior projects by Dr. Rose which was presented on video cassettes.

Among the other important and most successful seminars prepared by the IEEE was a Texas Instruments seminar and a Hewlett Packard seminar.

In recognition of the IEEE's recent innovations and service, the North Section Branch of the IEEE has awarded NJIT's chapter with a computer terminal. In addition, membership this year in the IEEE has increased at least one hundred percent over last year.



- |                       |                      |                   |
|-----------------------|----------------------|-------------------|
| 1. George Berent      | 6. Joseph Doroba     | 11. Prof. Frank   |
| 2. Edwin Mendez       | 7. Andy Cliffer      | 12. Prof. Reisman |
| 3. Bob Lytkowski      | 8. Joseph Heilmeier  | 13. Prof. DeLucia |
| 4. Joseph Mastropaolo | 9. Wayne Halbsgut    | 14. Prof. Meola   |
| 5. Tom Brogan         | 10. Prof. Rosenfrank |                   |

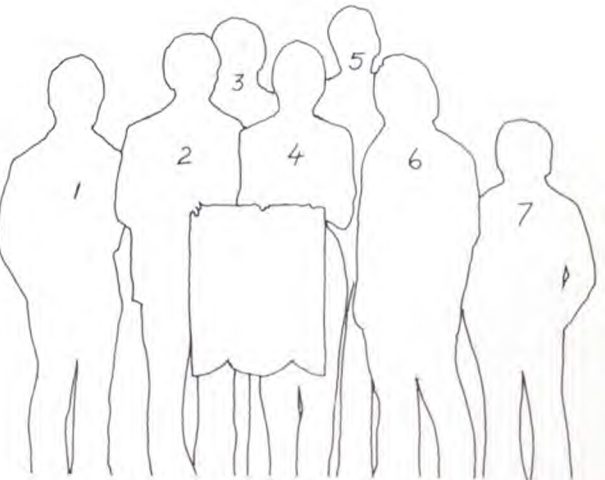
# Instrument Society of America



1. Oswaldo Barbosa
2. Carlos Peieira
3. Edmund Morais

4. Ana Cristina
5. Manuel Tavares

6. Raymond Leston
7. Eduard Kierman



The Instrument Society of America defines and reflects the instrumentation profession. The ISA membership provides services needed to keep professionals informed of new technological advances in the engineering fields.

ISA membership entitles members to discounts on publications, access to training aids, and yearly references from ISA journals.

Local activities include idea exchanges, programs, lectures and special events. In addition the continuing education program offers short refresher courses, curriculum guides, films, filmstrips, cassette tapes, and lecture notes.

# NUCLEUS 1983

The publication of the 1983 Nucleus is due in part to the dedication and effort of a small (but wiry) group of very talented, and often very gullible people. Without their time and constant attention to good photography, good writing, and talented layout work, such a yearbook as you have before you would not be possible.

Although this year's theme is transportation, the most important thought on the minds of this year's staff was consistency and clarity of presentation, a clean crisp appearance, and above all else thought-provoking photographs that can make you laugh, recollect the past, and perhaps make you even shed a tear twenty or thirty years from now.



JOHN SCHECKEL



editor-in-chief

GLENN WRIGLEY

managing editor





BILL WEISGERBER

photo editor



MICHAEL JAEGER  
layout editor

cover design



MIKE PERGOLA

sports editor



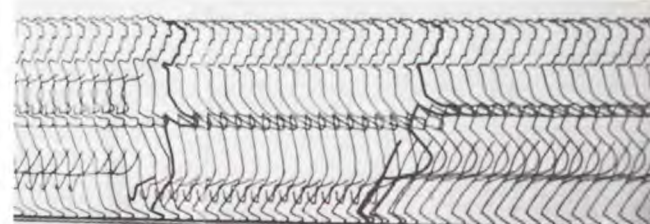
DAVID  
MAXWELL

cartoonist



NICK LADOMARICK

layout



# Pi Tau Sigma

Pi Tau Sigma, the National Mechanical Engineering Honor Fraternity, was founded in 1915 to foster the high ideals of the engineering profession, to promote the mutual professional welfare of its members, and to develop in students of mechanical engineering the attributes needed for effective leadership, and the assumption of the responsibilities of a citizen in a democracy.

N.J.I.T.'s Tau Theta Chapter has made dynamic improvements in the recent past. Such improvements include tutoring for all junior and senior mechanical engineering students, sponsoring an Outstanding Senior Award, and representing N.J.I.T. at the national convention of Pi Tau Sigma.



1. Mark Stilmer
2. Carol Ann Taylor
3. Paul Papay
4. Robert Sblendorio

5. Ed Kemmerer
6. William Kaiser
7. Peter Hofman
8. Rich Weinman

9. Dan Madden
10. Roy Werber
11. Kirit Amin

# Portugese Student Association



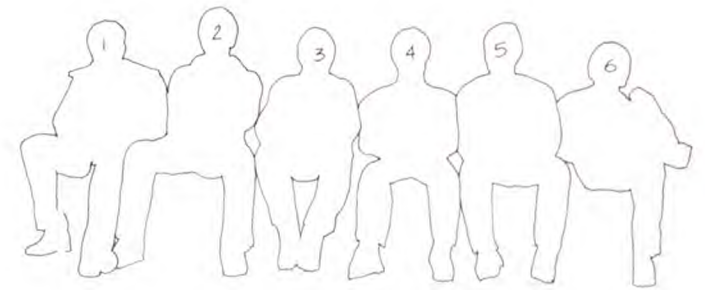
1. Manuel Nolan  
2. Manuel Tavares

3. Carlos Pereira  
4. Oswaldo Barbosa

5. Rui Silva  
6. Jorge Ferreira

The Portugese Student Association is a non-profit association which was first formed in 1980. The association has participated in Mini-Varsity 1980, 81, and 82 and also participated in the Centennial Celebration of N.J.I.T. during 1981 and 1982.

One of their major concerns has been lack of membership which limits the amount of involvement they have on campus. To that end, membership to the association is open to all N.J.I.T. students regardless of national heritage.



# Semi-Formal Committee

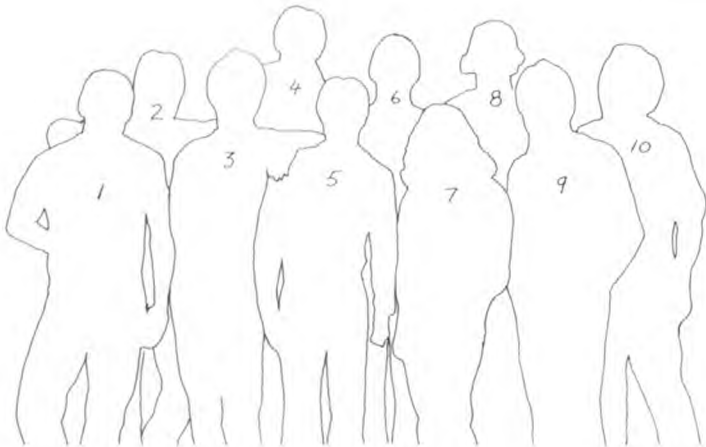


The Annual Student Semi-Formal was organized by the Senior Class Council. Led by Senior Class President Al Ascione, who despite being a scholar-athlete found time to organize this affair, the senior class hopes that this event will be a memorable one.

1. Ed Tengwall
2. Dave Harris
3. Marc Tartaglia

4. Joe Perry
5. Al Ascione
6. Glenn Knudsen
7. Joan Profita

8. Bob Theiler
9. Joe Hickey
10. Gary Lampasona





# Ski Club

The Ski Club is involved in the study of a certain physical phenomena commonly known as gravity. A dedicated group of students study this occurrence by making distant trips to high mountains. After donning high-tech state-of-the-art anti gravity equipment, they ascend to the summit. Experiments are conducted in order to determine the most efficient means of descending said mountains intact. Some accomplish this with classic style, others with hysteria, a few even go so far as to employ the aid of professional assistance offered by the ski patrol.

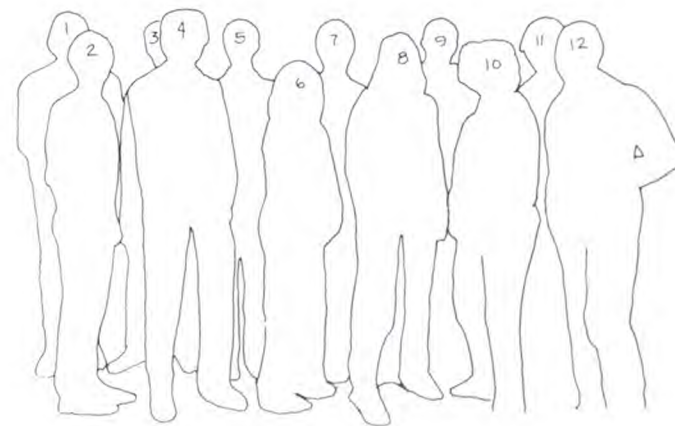
When the days experimenting is over, the students' attention is drawn toward the evening's social experiments. These are designed to initiate further interaction and discussion between the club members. This is usually done in conjunction with other students or others, commonly known as ski bunnies. This interaction is almost always done during the consumption of highly volatile fluids. Common topics of discussion include: torque required to pop a knee joint, Murphy's Law, frostbite, who ate the most snow, ice skating, the fracture point of a clavicle specimen under tensile testing, weather, the next trip to . . .



1. John Ditzig
2. William Beeke
3. Tom Campbell
4. Michael Tedeshi

5. Bob Langston
6. Claudi Dauerman
7. Richard Kiray
8. Suzanne Wolff

9. Pete Hoffman
10. Sherry Dauerman
11. Guy Kulwanoski
12. Robert Dilly



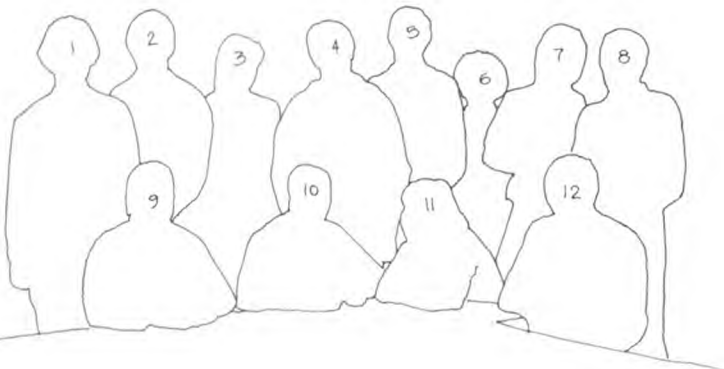
# Society of Engineering Technologists

The Society of Engineering Technologists is a national organization which has awarded NJIT a student chapter. The society welcomes all engineering technology students together and advance their knowledge in the profession. The society also aims to help its members to apply that knowledge to their studies and professional fields of endeavor after graduation from NJIT.

The society helps its members through a variety of teaching aids (audio-visual, field trips, lectures). Members also have the chance to meet personally with professional engineers in related fields for group discussion.



- |                             |                  |                    |
|-----------------------------|------------------|--------------------|
| 1. Michael Baldwin Bruce I  | 5. Keith Bird    | 9. Al Schmidt      |
| 2. Michael Baldwin Bruce II | 6. Joe Koeler    | 10. Hasan Jafri    |
| 3. Jim Piernot              | 7. Rich Rudnicki | 11. Regina Delaney |
| 4. Jim Prunesti             | 8. Joe Peters    | 12. Wayne Carey    |



# Society of Manufacturing Engineers



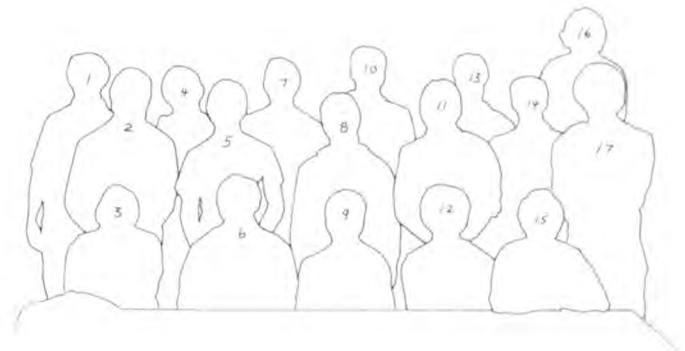
1. Mark Casadeuall
2. Richard Rudnicki
3. Mark Szabo
4. James Prunesti
5. Joe Corona

6. Hersh Howell
7. Peter DeRiso
8. Alan Schmidt
9. Mila Dionisio
10. Harold Brown
11. Bob Loftus

12. Joseph Koehler
13. Kenneth Cowell
14. Thomas Tracey
15. Hasan Jafri
16. Mike Carbonare
17. Ralph Small

The Society of Manufacturing Engineers is a national organization which awarded NJIT a student chapter in 1978. The Society welcomes all Manufacturing Engineering and Technology Students. The SME Student Chapter aims to bring fellow students together to advance their knowledge in the profession and to help them apply this knowledge to both their studies and related fields after graduation.

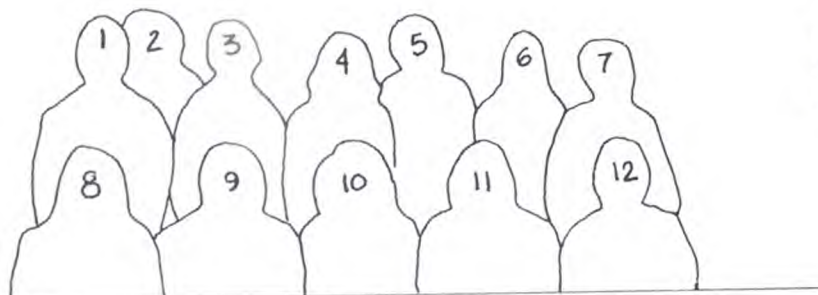
This past academic year saw the student chapter attending many field trips to industrial sites. Members also had the chance to meet and talk with many engineers and technologists at scheduled meetings. Films have also been purchased by the society to give members a better understanding of their chosen profession.



# Society of Women Students

The Society of Women Students is an organization on campus whose purpose is to provide resources, support, and opportunities for women undergraduates at N.J.I.T. SWS has put on a variety of programs and activities in recent years. Though these activities are arranged with the interest of women in mind, many men have taken part in them and have enjoyed participation.

A major event that SWS sponsors each year is Women's Awareness Week which is held in April. This is an entire week of events ranging from movies to lecturers and also entertainers. Such events have fostered a close knit feeling among both women and men on campus.



1. Anne Wright
2. Lisa Voyce
3. Yasmin
4. Cindy Schwarz

5. Heidi Hess
6. Carolyn O'Brien
7. Mary Eiberger
8. Bernice Koch

9. Noreen Schmid
10. Jean Kaminski
11. Donna Forshay
12. Gerri Anderson

# Stop-in-Center



1. Kelly Washington
2. Robert Cabrita
3. Fran Upton
4. Prosenjit Ghosh
5. Tom McCormick
6. Mark Nicolich
7. Robert Cohen
8. Howard Smith

9. Mark Addison
10. Brian Fuchs
11. Arlene McKenna
12. Suhash Chakraborty
13. Mike D'Innocenzi
14. Muffin Lord

15. Fred Harris
16. Pauline Adams
17. John Obenauer
18. Edith Frank
19. Rosemarie Ronquillo
20. Manny Ashong
21. Dave Violett
22. Dottey Benzenhafer



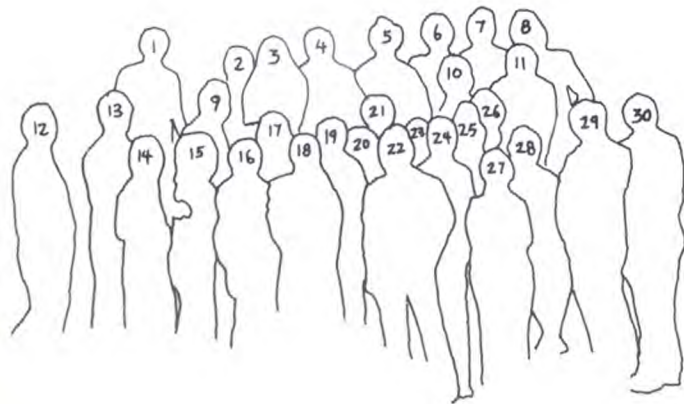
The Stop-In Center is staffed by trained student peer counselors who provide on-the-spot information and assistance to NJIT students. The peer counselors are prepared to talk with students about academic, career, or personal problems. The Stop-In Center can also provide general information about the NJIT campus, the community, bus and train information, etc. If peer counselors cannot answer your questions directly, they are trained to investigate a problem fully and refer students to right channels for information.

Each semester, the peer counselors sponsor the "Academic Success Workshop" which provides Freshmen proficiency students with ways of improving their grades. These workshops introduce different study methods, along with applications to engineering courses. This program helps the students to strengthen present study skills.

# Alpha Phi Omega

Alpha Phi Omega, popularly known as A.P.O., is the largest fraternity in the world. It has been on this campus since 1953 and has tendered the N.J.I.T. community with such services as: Used Book Exchange, Calculator Rentals, Lost and Found, Tour Guides, Confer P.H.T. (push him/her through) diploma for spouses of graduates.

A.P.O. also deals with the community by raising funds for the the United Way, visiting Senior Citizen Homes and Children's Hospitals.



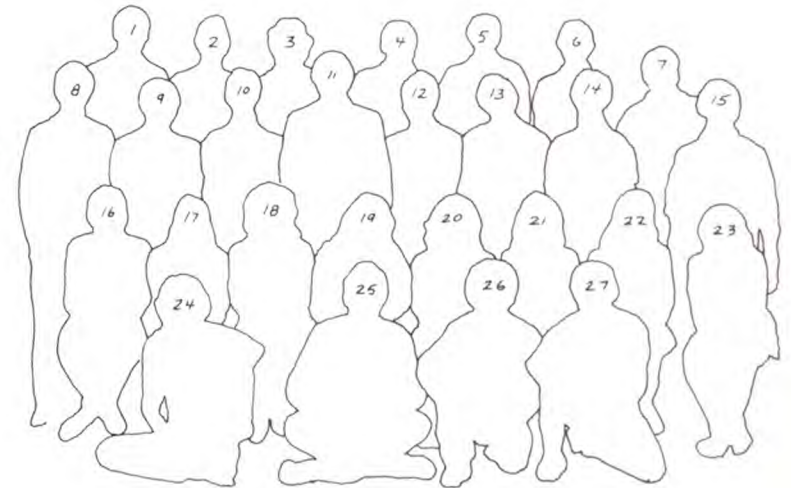
- |                     |                     |                            |
|---------------------|---------------------|----------------------------|
| 1. Mark Teichman    | 11. Bob Dilly       | 21. Chris Wrazen           |
| 2. Ellen Vigilante  | 12. B.J. Hageman    | 22. Ramon Leston           |
| 3. Sue Wolff        | 13. Ray Scott       | 23. Sheila Forster         |
| 4. Ronnie LaSalla   | 14. Frances Scott   | 24. Dan Rauch              |
| 5. Mark Spulock     | 15. Karyn Hanselman | 25. Patti Himeleski        |
| 6. Jeff Weisberger  | 16. Janet Meredith  | 26. Amy Hemeleski          |
| 7. Jim Koroniades   | 17. Jim Kebbekus    | 27. Mrs. Barbara Hemeleski |
| 8. Joe Knight       | 18. Eva Parfomak    | 28. Mr. John Hemeleski     |
| 9. Glenn Small      | 19. Hasan Jafri     | 29. Mr. Jack Corcoran      |
| 10. Sherry Dauerman | 20. Sue Tingley     | 30. Mr. Bob Hilliard       |

# Student Activities Council



Student Activities Council is the largest student-sponsored social organization on campus providing many types of cultural, social and recreational activities. SAC is composed of six committees which present mixers, films, trips, lectures and other special events during the day, evening and on weekends.

- |                     |                     |                     |
|---------------------|---------------------|---------------------|
| 1. Andrew Parfomak  | 10. Alan Wolke      | 19. Regina Rygelis  |
| 2. Ted Paliwoda     | 11. Ray Petruch     | 20. Amy Hemeleski   |
| 3. Scott Weiniger   | 12. Kevin Walsh     | 21. Chris Fatjo     |
| 4. Ron LaSalla      | 13. Matt Criscenzo  | 22. Sue Tingley     |
| 5. Mike Bartone     | 14. Walt Dwidiak    | 23. Claudi Dauerman |
| 6. Nick Lodomirak   | 15. Guy Kulwonowski | 24. Jeff Weisberger |
| 7. Glenn Small      | 16. Heidi Hess      | 25. Myron Petruch   |
| 8. Patrick Regan    | 17. Carolyn O'Brien | 26. Steve Petrarca  |
| 9. Martin Criscenzo | 18. Lorelei Gasgard | 27. Frank Corso     |



# Student Society of Construction Contractors

The Student Society of Construction Contractors founded in 1978 and sponsored by the building contractors of New Jersey, is N.J.I.T.'s Civil Engineering Technology/Construction Contracting group. Meetings are held bi-weekly, at which local contractors, engineers, and architects are invited to speak. Topics of discussion cover a wide range of subjects. During the spring semester, members hold the annual B.E.A.N.J. dinner.

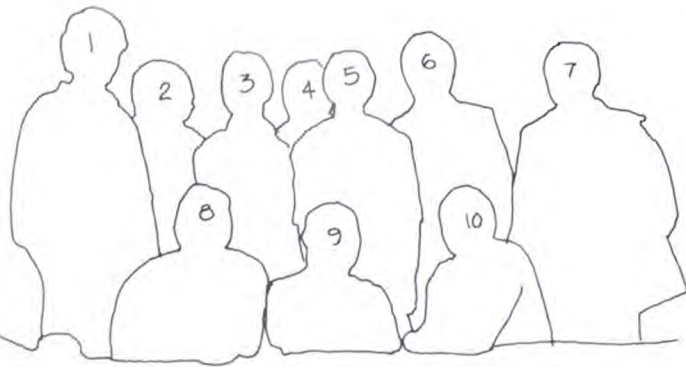
It is the goal of S.S.C.C. to bring the C.E.T. Group and local professionals together for a heightened awareness of our profession.



1. Robert Parylek
2. Kevin Caruso
3. Alfred Weiss

4. William Carson
5. Charles Mannino
6. James Karl
7. Walt Konon (Adv.)

8. Peter Gambino
9. Scott D. Bollmann
10. Raymond Write







Tau Beta Pi, the National Engineering Honor Society, confers honor upon those students who have distinguished their Alma Mater by their scholarship and exemplary character. N.J.I.T.'s Gamma chapter was founded in 1941. The officers for 1982-83 were: Mark Leskowicz, President; Hema Ramaswamy, Vice-President; John Cowley, Treasurer; Bill Cummings, Corresponding Secretary; Frank Loso, Recording Secretary.

- |                    |                     |                     |
|--------------------|---------------------|---------------------|
| 1. James Leach     | 13. Ken Knyfd       | 25. Osmani Loy      |
| 2. Steve Keeton    | 14. Elliot Adoff    | 26. Victor Masquero |
| 3. Brian Cellier   | 15. Gay Riedel      | 27. Allan Steel     |
| 4. Louis Vuoncino  | 16. James Haklar    | 28. Joseph Manjkow  |
| 5. Tim Roche       | 17. Fred Skalka     | 29. Alfred Ascione  |
| 6. Howard Smith    | 18. Vincent Klim    | 30. Bill Whitman    |
| 7. Paul Bunce      | 19. Jim Gathercole  | 31. John Rawlings   |
| 8. Chris Baptista  | 20. Anthony Manno   | 32. Mark Leskowics  |
| 9. Pete Hofmann    | 21. Michael Mania   | 33. Hema Ramaswamy  |
| 10. Tom Bastanza   | 22. Charles O'Brian | 34. Frank Loso      |
| 11. Simin Khoshbin | 23. Jeff Bowcock    | 35. Bill Cummings   |
| 12. Paul Gaglioti  | 24. Paul Manz       | 36. John Cowley     |



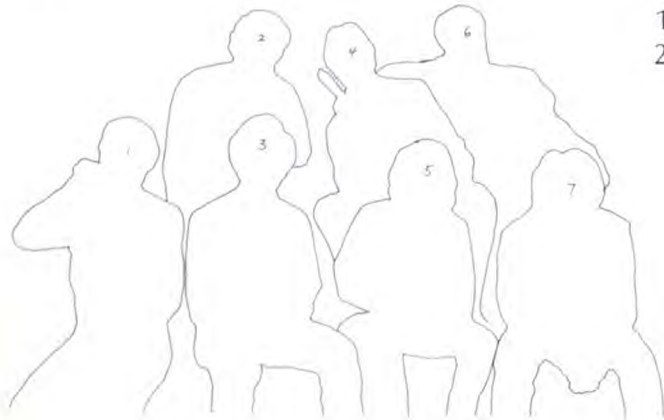
# WJTB Radio

The Newark College of Engineering has always been a progressive school right from the very beginning. In 1881, when this glorious institute of ours was founded, one of the first clubs to be organized was WNCE, the campus radio station, years before Marconi invented radio.

"Call it a hunch," said Milton D. Slutzky, the station's first general manager, "but I think this is gonna be a big thing someday." One of the first things WNCE did after waiting for radio to be invented was to run out and buy all of the latest equipment. Much of this equipment is still in use today.

In 1976 WNCE changed its call letters to WJTB when the school changed its name to the New Jersey Institute of Technology after years of declining enrollment under the name Toledo School of Dental Hygiene.

WJTB runs on a regional unassigned frequency of 550kHz in the carrier current mode and plays primarily progressive rock and jazz with public information broadcasting for Newark and the NJIT community.



- |                              |                       |                             |
|------------------------------|-----------------------|-----------------------------|
| 1. Mauro Del Pan             | 3. Bob Visich         | 6. Alex laquella            |
| 2. Michael Baldwin Bruce III | 4. Richard Nisivoccia | 7. Michael Baldwin Bruce IV |
|                              | 5. Bill Brunner       |                             |



1. Al Galdi  
2. Samuel J. Armijos

3. Dich Davidson  
4. Mike Smith  
5. Joe Perri

6. Tags  
7. Glen Knudsen  
8. Bob Theiller

## THE VECTOR

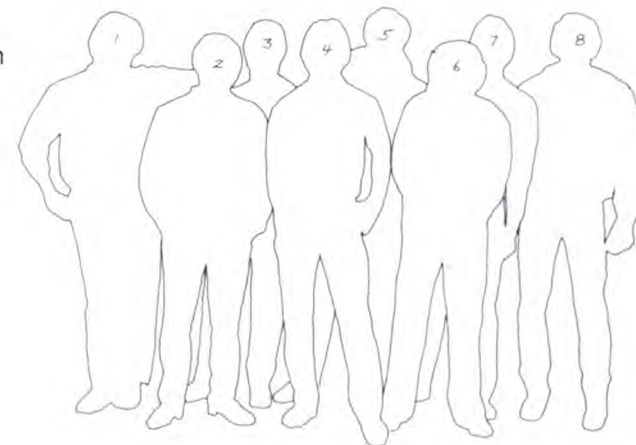
"With magnitude and direction."

The school newspaper was one of the fastest-growing organizations this year. Last year, the staff consisted of four dedicated members. This year, the staff has grown to over twenty-five members.

THE VECTOR has always been a sell-out. Students played a major part in this year's paper, supplying articles, advertisements and announcements. We print anything and we thrive on controversy. The paper is published every week. There is always something for you to read

...

"and you gotta love that."



# Ferry Street Foundation









# *FRATERNITIES AND THINGS*

# Going Greek





# Alpha Phi Alpha



Robert E. Dunn  
Kevin S. Turner  
Darryl P. Riley  
Alfredo C. Newman  
Michael E. Thompson

Alpha Phi Alpha, the first black college fraternity, had its genesis on October 23, 1906 on the college campus of Cornell University. At that time, a group of young black students felt that it was of the utmost importance to create a Greek letter fraternity that would reflect the aims and aspirations of the black college community on a predominately white campus.

Since its conception, Alpha Phi Alpha has grown nationally as well as internationally to over four-hundred chapters and fifty thousand members. It has been interracially known since 1945 with known members as the Honorable Thurgood Marshall and the late Martin Luther King as well as many local members who hold important positions.



# Alpha Pi Delta

Alpha Phi Delta is the national Italian heritage fraternity. They have been serving the NJIT community for over half a century. They offer a social life which includes trips, sporting events, cultural events, and parties. They rent a house annually at the Sugarbush North ski resort in Vermont during winter break and move to the Jersey Shore for the summer.

They participate actively in all interfraternal and school affairs. Some of their members include Student Senators, Club Presidents, and IFC Officers.



Lurch	Dirt Road Bill
Emperor	Assman
Gnome	Dirk
H.O.	Caveman
Yak	Big Mac
Mince Meat	Slap Shot
Bizzare	Kid
Speed	Tiny Slug
Rico	Slain



# Alpha Sigma Phi



The Alpha Rho Chapter of Alpha Sigma Phi at NJIT is a fraternity with a historic past and a growing future. Since its original chartering in 1915, Alpha Rho has played an integral part in fraternity life at NJIT as well as shaping the scope and direction of Alpha Sigma Phi's nationwide program. In all, there are more than sixty Alpha Sigma Phi fraternity houses including the first one which was formed at Yale in 1845. Among its forty-five thousand alumni since that time are many statesmen, scholars, and public figures from all walks of life.



Andy "Crash" Janiw  
Glenn "The Rock" Johanson  
Gary Bauers  
Glenn Trimboli  
Marty "Feed Me" Lyons  
Shpend "Stain" Ismaili  
Jerry Coviello  
Tom dePourtier  
Sami "Er" Ismaili  
Maccro Dai Pan  
Doug "A-Bomb" Fulcher  
Mike Friedman  
Stu "Enzo" Altman  
George Snow  
Neale Bedrock  
Pete Sands



# Theta Chi

Since the chapter's birth twenty years ago, Theta Chi has always been considered among the leading fraternities. Whether competing in a championship game, participating in an IFC event, or throwing a party, they pride themselves on a job well done.

Part of their success is due to the fact that they are part of a large and well-organized national fraternity. They also receive enthusiastic support from a concerned alumni association, but the main reason for their success is due to the participation of each and every brother in their fraternity.



Kevin Nolan  
Larry Lemig  
Chris Cesareo  
Steve Meehan  
Al Lannox

Tony Politano  
Michael Tice  
Mike Los  
Lino Gonnaluz  
Bill Smimaski



# Kappa Xi Kappa



Mack, Flounder, Johnny Boy, Rhoat, Dino, Flash, Nelson, Mark, Buzz, Paul, Chops, Rag, Quack, Kappa — the wonder dog.



Kappa Xi Kappa is a very active and versatile brotherhood which enjoys the autonomy of not being affiliated in any way with any national Fraternity. They are involved in many social events, and school organizations as well as being involved in community service.

Social events include parties on Thursday and Friday nights, winery trips, hayrides, band parties, camping trips, picnics, and casino nights, and also participation in all IFC sports.



# Pi Kappa Phi

Newark may be a rough place to go to college, but if you are looking for women, sports or a social life and most importantly, brotherhood, then check out Pi Kappa Phi.

Apart from most of the other fraternities on campus, we own our own house. We have the campus' largest dance floor and stage, complete with light show and band.

Along with being the highest academic house on campus, we also participate in all I.F.C. sports. Within the last two years we have finished first in basketball and bowling. We also took second in softball and the Greek olympics.



Figit #1	Feet
Figit #2	King Bovine
J.L.	Rag
Precious	Budda
Aloh	Harp
Spaulding	Hippo
Thrasher	Juan
P.J.	Krymie
Chin	Whitey



# Sigma Pi



Sigma Pi is the largest house on campus with forty-two active brothers and ten active little sisters. Their historic house has twenty-four live-in members and the school's only full-time cook. They are very involved in various school activities and sports.



Harry D.  
Farbs  
Face  
Scratch  
Weasel  
Toot  
Big Red  
Bugger  
Burn-Out  
Foul Al  
Hollywood  
Jeff Underwood  
Squid Galleger  
Sperman  
Guido

Wimpy  
Jack the Rat  
Q  
Sammey J.  
Screamer  
Benatar  
D.K. Duncan  
Leaper  
M. Ed  
Duguay  
Razzo Ryan  
Bonaduche  
Snaaaayers  
Sergio Prevente  
Camp



# Tau Delta Phi

Tau Delta Phi Fraternity is a national fraternity with chapters throughout the U.S. The Tau Epsilon Chapter of TDP was founded at NJIT in 1945. In the past, TDP has excelled in sports and community service. This year the house saw major repairs, including a new roof and a new floor throughout the entire first floor.

The motto at TDP is, "He shall not want as long as I breathe for he is my brother."



Paul Turner  
Jerry Esposito  
Mike Piperno  
Danny Rodriguez

Alan Andreas  
Mike Swanson  
Bill Schweideric  
Kevin McPhillips





# Tau Kappa Epsilon



TKE is home to live wires as well as dead-weights and other slowleaks. With all these different personalities around, there is always something to do.

TKE has chapters all over the nation, and you usually bump into a TKE no matter where you go. This may happen at our national convention, on forty-second street, a Dead concert, or a bear/bike rally. TKE's trip a lot too. There's our winter ski trip, spring canoe trip and many road trips. No complaints about the social life at TKE; weekly parties, dirt bike riding and banquets are just the beginning. Also, our sister sorority is always finding ways to hold our attention.

But there is also a serious side to TKE. The house, which is full with many engineers and architects, applauds its graduating seniors each year in recognition for their academic success.



Davis Tamburin	Mark Cardo
Gene Vetrone	Scott Kruger
Bob Jinks	Greg Misale
Ron Carey	Pat Leary
Larry Bogner	Gary Zuza
Deekpak Gupta	Dave Broscius
Don Flood	



# Tau Lambda Chi



Joe Tizo  
 Chris Zeiner  
 Paul Connolly  
 Kelly Giblin  
 Richard Fiorentino  
 Clyde Borg  
 Joe Rossillo  
 Stephen Principe  
 Richard Albecker

Jeff Deegan  
 Matthew Cleaver  
 Kevin McCable  
 Alex Shypailo  
 Nestor Tyla  
 Steve Trushell  
 Frank Ferrante  
 Michael Docherty



# Phi Lambda Sigma



Although scholarship is the main objective in the fraternity, Phi Lambda Sigma still finds time to participate in many social events. Aside from the Friday night parties, and the holiday parties, there are Island Parties, Barbeques, Canoe Trips, Pool parties and many other events that they may wish to hold. Besides the social aspect of Phi Lambda Sigma, they participate in sporting events and have managed to field successful teams.

Phi Lambda Sigma does not believe in useless tasks or physical hazing. Their pledge system works to provide a positive attitude toward the fraternity and a better understanding of brotherhood.

They are a local fraternity with dues and rent among the lowest on the campus. They also own their own house and they take great pride in its appearance.



Ray Seakan  
Brandon Emery  
Frank Schlesinger  
Ray Jablonski  
Dan'l London  
John DeFusco

Paul Papay  
Brian Donovan  
Bob Cerone  
Mike Chao  
Steve Katz  
Bob Michie







# AGONISTICS

# NJIT Soccer

The 1982 NJIT Highlanders posted their best record in four years and qualified for the Eastern College Athletic Conference Playoffs. Highlighting the season were wins over Montclair State College (6-0), William Patterson College (2-0), Drew University (2-1), and top-rated Division II opponents Randolph-Macon College of Virginia (4-0), and Dowling College of N.Y. (4-1).

This year's senior members of the team include Jeff Caputi (team captain), Mostafa Farahani, David Ferrer, Nelson Gralha, Peter Petrou, and Jorge Suarez.





# 1982 ECAC Finalists — Best team record in four years

NJIT	Opponent	Opponent
0	Bloomsburg (Pa)	1
3	Seton Hall	0
6	Montclair St.	0
8	Vassar (NY)	3
0	Lock Haven (Pa)	8
2	William Paterson	0
0	Stevens Tech.	1
2	Kean	3 (OT)
2	Drew	1 (OT)
3	Rutgers-Newark	1
1	Keene (N.H.)	4 (OT)
0	FDU Madison	3
4	Randolph-Macon (Va)	0
1	Scranton-(Pa)	2
2	Upsala	1
4	Dowling (NY)	1
1	Baruch (NY)	0 *
1	Drew	2 **

\*ECAC Semi-Finals  
\*\*ECAC Finals

Front Row (L. to R.)  
Vladimir Nemirovsky  
Mostafa Farahani  
David Ferrer  
*Peter Stauriffembenger*  
Jeff Caputi  
Jorge Suarez  
Nelson Gralha  
Peter Petrou  
Guy Cilento  
Back Row (L. to R.)  
Efrain Borja  
David Buck  
Avvind Tikku  
Andy Muldowney  
Ray Paulis  
Paul Bette  
Carl Virgil  
Horatio Mazzeo  
Peter Parelli  
Dave Jansson  
Flora Petrou  
J. Malcom Simon

FWD  
MIDF  
MIDF  
GOAL  
GOAL  
MIDF  
MIDF  
FWD  
DEF  
  
Asst. Coach  
FWD  
FWD  
DEF  
DEF  
MIDF  
FWD  
DEF  
MIDF  
DEF  
Mgr.  
Coach







## Bowling — Distinguished team and individual honors

Once again the 1983 NJIT Bowling Team is in contention to take top honors in the recently formed N.J. Division of the Eastern Collegiate Bowling Conference. Having already competed in the Penn State Invitational and the Chuck Pez-zano Classic, the team is looking forward to a successful season.

This year's squad is continuing a long standing tradition of being one of NJIT's most winningest collegiate sport. Their success is aided this year by the addition of freshmen stand out Laurie Werner who has already distinguished herself as the first woman to compete on the NJIT Bowling Team on the collegiate level.



Top Row, left to right: Dave Violett, Laurie Werner, Mike Finnegan.

Bottom Row, left to right: John Nogrady, Ed Mussi, Bill Soltmann.





# Highlander Hockey — Moving Up

The Highlanders won the Metropolitan Collegiate Hockey Conference Division III Championship in 1981-82. The defense of this championship would be impossible in 1983 since last year's impressive 16-2-1 record allowed the Highlanders to move up into the higher competition of Division II hockey.

Coach Joe Hannabach started early to form a younger and stronger team. This year's schedule included many games against Division I teams such as Kean College, University of Southern Connecticut, Rutgers (New Brunswick), and Fairleigh Dickinson.

There were many highlights to this season. Playing large arenas like the Nassau County Coliseum and the Meadowlands Arena provided an emotional sense of pride and publicity for NJIT. A trip to Montreal also helped bolster the team's experience and their spirit.

Back Row (L. to R.) Joe Hannabach—Coach, Dana Jacobson, Pat Porzio, John Wallace, John Russell, Pete Manascalco, Ralph Corallo, Tom Nelson, Pierre Levesque, Larry Williams.

Front Row (L. to R.) Louis Obsuth, Howie Kraus, Al Logiudice, Jeff Beck, Gary Sheeran, Andy Downie, Alan Ryan, Arnold Giannetta, Alan Maglaque, Dale Vanyo.

Not Pictured: Gene Vetrone, Myron Jaremko, Bob Palmieri, Tom Testa, Al Ascione, Tom Dudutis, Gary Canale.





# Metro Division III Champions 1981-1982





# Ski Team

Nineteen-eighty-three marked the first successful season the downhillers had in their short six-year history. The team held onto first place in their league for half the season and finally winding up in third place.

The team was powered by the senior crew of Ted Paliwoda (Captain), Mike Ticse (Co-Captain), Don Raymond, Pat Regan, Bruce Jankowitz, and Greg Dzula. Other upcoming members that were a force were Steve Weber, Max Piazza, Orry DuBois, Mike Heller, Gregg Abate and Mark McFadden. The team would like to thank the athletic department, all the administration, and our manager Nancy Witsik, you all contributed to a very successful season.



Back Row (Left to Right): Max Piazza, Greg Dzula, Steve Weber. Middle Row, Left to Right: Don Raymond, Pat Regan, Orry DuBois, Ted Paliwoda, Greg Abate, Mike Heller, Mike Ticse. Seated: Mark McFadden, Bruce Jankowitz.







## Rifle Team — Seniors lead team to 6-1 record

Pictured (Left to Right) Standing: Coach Ketzner, Dave Marks, Ray Jablonski, John Larkin, Bob Maslanka, Coach Velez. Kneeling: John Silva, Pat DeBiasse and George McEvoy. Not Pictured: Pat Wiggins.





The 1982-1983 NCE Varsity Rifle Team completed its second best season ever finishing with a league record of 6 wins and 1 loss. Several successful non-league matches were also shot against area schools and also in national competition. Senior members Ray Jablonski, John Larkin, Dave Marks and Bob Maslanka have all climaxed their 4-year intercollegiate shooting careers with some rather respective personal high scores. Returning juniors Pat DeBiasse and Pat Higgins have also worked their own personal brand of magic on the range and they can be expected to lead next year's team to at least an equally successful year. Sophomore John Silva will also aid in that effort, along with Freshman George McEvoy.

Enough can never be said about the incredible success of the team and its members, but credit must also be given to Coach Robert Ketzner and Assistant Coach Ralph Velez. Through their guidance, each and every member has developed into a shooter who commands respect at any match no matter how good the opponent.

The graduating seniors wish the best of luck to next year's team and challenge them to beat this season's outstanding record.



# Pistol Team — On the move

Pictured Left to Right: John Larkin, James Kebbekus, Maurice Peralta, John Nikus, Larry Schreiber.  
Not Pictured: Chun-Pong So, Gary Zuza.





The NJIT Pistol team did a lot of travelling this year to compete in matches against good squads. They went to the United States Military Academy in West Point, NY against two first rate pistol clubs, The Citadel and R.P.I. Also, the pistol team went to Annapolis, Maryland to shoot against the United States Naval Academy.

In spite of all the traveling, the pistol team still came out with a winning record over the course of the season. Top pistolmen included Jim Kebbekus, Maurice Peralta and Larry Schreiber. Up-comers John Nikus and Chun-Pong So should lead Coach Matt Ciesla's team to winning seasons in the near future.

# NJIT Basketball — Another fine season

The NJIT Basketball enjoyed another fine winning season under Coach Jim Catalano. One of the few year in, year out winning varsity sports here at NJIT, the basketball team's highlight of the year was winning the Florida Institute of Technology's "High Tech" Tournament in Melbourne, Florida. This was the second year in a row that our basketball team became champions of that tournament. Leaders of the team were Sal Gagliardo and Tom Gallagher. Last year, Tom was voted Most Valuable Player in the Independent Athletic Conference as a Freshman. With these two players leading the way and a player like Peter Scheffler to pick up the slack, the NJIT Basketball Team should have many winning seasons in the years to come.





## Cross-Country — Excellent individual efforts

The 1982 NJIT Cross Country Team was made up of a small group of dedicated and determined runners. They entered the season without a coach and the benefit of any formalized pre-season training. They did not begin fall practice until the third week of the semester when the coaching vacancy was filled by Henry McCloud. The team went on to compile a 2-9 record. However, over the course of the season, they worked hard and improved every week.

At the Independent Athletic Conference Championship meet, NJIT finished a strong 2nd to Stevens Institute of Technology. The highlights of the meet were NJIT Freshman Doug Troast finishing first for an IAC meet record on the Drew University course in 28:08, Junior Allan Steel placing second, also under the old record, and Junior Paul Calabrese placing fifth, to give NJIT 3 of the top 5 places.

The season ended on a high note with the Highlanders competing in the NCAA Division II Mideast Regional meet where they placed ahead of Stevens Institute, the IAC Champion.



Standing (Left to Right): Henry McCloud (Coach), Allan Steel, Doug Troast, Wayne Jones, Peter Sparrock. Kneeling, (Left to Right): Mike Conner, Bill Boyle, Paul Calabrese, Tony Robinson.



Next year promises to be a very good year for the team. In addition to Troast, Steel and Calabrese returning, Juniors Bill Boyle, Wayne Jones and Tony Robinson along with Freshmen Mike Conner and Peter Sparrock are expected to make strong contributions.





# Women's Volleyball

The NJIT Women's Volleyball Team was first formed in August 1982 and although they started out with only a small contingent of players, their popularity grew rapidly and membership soon increased to 15 players.

As an entirely new team, it was important to spend as much time as possible practicing daily. The team has improved with time and are now to take their place in NJIT sports as the first varsity team at school for women.

This ground-breaking is a significant achievement at NJIT and it signals the start of many women's teams which may form in the future.



# First Women's Varsity Sport at NJIT



Back Row (L to R): Dave Denure, Sharon Ingram, Diana Lee, Sherri King, Ran Choi, Kathleen Nagy, Heidi Harting, Regina Rygelis, Mary Ann Mucha, Oleg Moiseeko—Coach.

Front Row (L to R): Becky Miranda, Rosemarie Ronquillo, Hildy Rivera, Rosemary Hicks.

Not Pictured: Arlene McKenna, Eveland Graddy, JoAnne Propsner.



# NJIT Varsity Cheerleaders

In 1982 NJIT proudly re-introduced an organization absent from the college scene for more than twenty years. The 1983 NJIT cheerleading squad has now grown to 15 members and have now become a permanent fixture (as well as a source of pride and spirit) at many NJIT athletic functions.



Front cluster (l. to r.) John Barnes, Lorelei Gas  
cluster (l. to r.) Alica Fatjo, Joan Apiropoulis, B



rd, Alice Patras, Nancy Witsik, Tom Pitt. Top  
para Perun, Veronica Grabowiecki, Cris Fatjo.

# Baseball Team Swings in '83

Three years ago four Freshmen broke into the starting lineup of the Varsity Baseball Team and have made major contributions, particularly in the past two years. This group will again form the nucleus of a strong '1983 team.

Team Captain Jim Tensfeldt is the offensive leader of the Highlanders. The strong armed catcher had led the team in hitting in each of his first three years while also displaying devastating power. Senior center-fielder Michael Smith will again lead a top defensive unit with the quickness and savvy that made All-Conference last year. Smith is also one of the squad's leading hitters. Flanking him to the right is Tony Tobey. The fleet footed Tobey boasts a rocket arm and a timely bat. Captain Jeff Pruneau will lead the pitching staff. Pruneau combines intelligence and a slick knuckle-curve to baffle opposing batters time and again.

It is a tribute to Coach Gene Schmid that these four players have been able not only to participate for four years in a program as demanding as baseball, but also to excel in a curriculum as difficult as engineering. Of the 20 or so Freshmen who tried out for the team three years ago, these four were the only ones to go the distance.

Another key pitcher is Dan McDonald. This junior throws heat and has the ability to beat even the best Division I schools. At shortstop will be last year's Freshman phenom Frank Testa. Very capable in the field, Testa has tremendous power at the plate and should again battle Tensfeldt for the team Homerun crown. P.J. DePoortere at third base and Steve Sofman at first will add stability to the infield as will promising Freshman Mike Entwistle and Peter Stauffenberger. Rounding out the outfield will be transfer student Marvin Hurt.





Through all the hard times and hard work, this close knit unit shares many fond memories such as the yearly trips to Florida, the six game weekends, snow in April and rainy Wednesday afternoons. The intestinal fortitude needed to endure this has made men out of those who played and spawned many lasting friendships among them.



# Intramural Sports

The New Jersey Institute of Technology supports an extremely active intramural sports program. Nearly every team sport is represented along with individual achievement activities to give the NJIT student an opportunity to compete. This promotes a sense of togetherness and leadership not found in books. The ability to think quickly and act accordingly is a must in any type of sports activity, as well as any profession.

Some of the sports in which individuals compete in the intramural sports program are badminton, Century Club, Weightlifting, and one-on-one basketball. Last year, Mai Amh won the intramural badminton singles championship and teamed with Chet-Bhatt to win the Badminton doubles championship.

The Century Club is an event in which a person, over the course of the academic year, compiles one hundred miles in one of three ways. A Centurion may either run, swim, or bike to the one hundred mark with appropriate distances allocated.

Weightlifting has a number of different classes and the competition is stiff from year to year. In one-on-one basketball, Pete Rossamando narrowly defeated Rich Seminario for the championship.

NJIT also features team intramurals such as floor hockey, soccer, flag football, basketball, softball, volleyball, and a team track meet before Thanksgiving appropriately titled the "Turkey Trot".

The Turkey Trot was won last year by the Poontangers (that's another thing about intramurals, interesting team names). Last year saw such team names as the Mother Puckers, Ozzie's Raiders, the Stoned Rangers, RIP, and the Little Rascals.







The champions in flag football were the Sacred Cows. Basketball was won by the Bearded Clams. The volleyball crown was taken by CSA (Chinese Students Association). In this year's highly competitive intramural floor hockey championship (always a favorite at NJIT), the title was won by Raymond Luxury Yacht (the WJTB Radio Station Team).

Congratulations to all of the individuals and teams who competed this year in all intramural sports.



# Men's Volleyball

Highlighting this season's play for the NJIT Men's Volleyball Team is the prospect of hosting their own tournament in the early spring. Always striving to maintain the high caliber of play they always had, the team keeps up with a very tough schedule which includes previously nationally ranked Rutgers-Newark.

The volleyball team is supplied with fresh talent to compliment an experienced (and well coached) group of returning players. This fine team play accompanied with the advent of women's volleyball at NJIT has made this sport not only popular, but closely scrutinized for NJIT students take their volleyball seriously.





# NJIT Gymnastics

Gymnastics is one of the few sports activities at NJIT where men and women participate together. During practices, the team is engaged in rigorous floor exercises. They have access to such equipment as parallel bars, a trampoline, a balance beam, and rings.

Many of the members have been active gymnasts for many years while some others have just recently taken an interest in the sport. The group welcomes all newcomers, experienced or not. The team has progressed and will continue to improve in the hopes of once again establishing gymnastics at NJIT on a team competitive level.























A friend of mine once came to an intersection, looked to the left for traffic, looked to the right, looked to the left again, saw that nothing was coming, stepped on the gas, and hit the car in front of him.







I once figured out that in five years (who said it was four) that I have been here, I must have traveled some 62,250 miles back and forth to school. This is based on about 166 trips each year (not counting false starts) at 75 miles round trip each time. That comes to 12,450 miles each year, better than four trips across the country. This of course does not deduct the miles accumulated by train since none of the various cars I have owned could hack the 12,450 miles each year.















*CLASS OF 1983*





Go placidly amid the noise and haste, and remember what peace there may be in silence. As far as possible without surrender be on good terms with all persons. Speak your truth quietly and clearly; and listen to others, even the dull and ignorant; they too have their story.

Avoid loud and aggressive persons, they are vexatious to the spirit. If you compare yourself with others, you may become vain and bitter; for always, there will be greater and lesser persons than yourself. Enjoy your achievements as well as your plans.

Keep intrested in your own career, however humble; it is a real possession in the changing fortunes of time. Exercise caution in your business affairs, for the world is full of trickery. But let this not blind you to what virture there is; many persons strive for high ideals; and everywhere life is full of heroism.

Be yourself! Especially, do not feign affection. Neither be cynical about love; for in the face of all aridity and disenchantment it is perenial as the grass.

Take kindly the counsel of the years, gracefully surrendering the things of youth. Nurture strength of spirit to shield you in sudden misfortune. But do not distress yourself with imaginings. Many fears are born of fatigue and loneliness. Beyond a wholesome discipline, be gentle with yourself.

You are a child of the universe, no less than the trees and the stars; you have the right to be here. And whether or not it is clear to you, no doubt the Universe is unfolding as it should.

Therefore, be at peace with God, whatever you conceive Him to be, and whatever your labors and aspirations, in the noisy confusion of life keep peace with your soul.

With all its sham, drudgery and broken dreams, it is still a beautiful world. Strive to be happy!

Max Ehrmann

# New Jersey School Of Architecture

The practice of architecture is a design and decision-making process aimed at solving an environmental problem; it is the thoughtful making of spaces which serve people.

The architecture program at NJIT considers a wide variety of environmental problems — certainly more than just buildings. The solution to a human environmental problem might be to build no buildings at all. The primary solution to the problem might be in choosing a site, or opening undeveloped land to its best and most appropriate uses, or in keeping that land in its natural state. The scope of a problem might be that of a piece of furniture, a room, an entire neighborhood, a central business district, or an entire community or city. The designer's solution might be a long-range management plan or other guidelines for future growth. The key might be in preserving or adaptively using existing elements of the built environment which are currently misused or discarded. The design professions have never faced a greater challenge.





Steven Bach



Marjorie Bayer



Brian Boutilier



Cecila Bowles



Michael Briante



Joseph Bruey



Joseph Bruno



Ernesto Cabrera



John Capazzi



Glenn Chapman

**Steven H. Bach** Aberdeen, N.J.  
Architecture Representative (2), Resident Assistant (3, 4, 5).

**Marjorie A. Bayer** Boonton, N.J.  
Architectural Association (4, 5), Resident Hall Association (2), Bridge Club, Dean's List.

**Brian Canon Boutilier** Union, N.J.  
Pi Kappa Phi (1, 2, 3, 4, 5), Vector (1), Dean's List (1, 2, 3, 4, 5).

**Cecilia Bowles** Union City, N.J.

**Michael Briante** Fanwood, N.J.

**Joseph F. Bruey** Colonia, N.J.

**Joseph John Bruno** Dumont, N.J.  
Student Chapter AIA (3, 4, 5).

**Ernesto R. Cabrera** Elizabeth, N.J.  
Architecture Representative (3), Latin American Organization (OLA) (2) Chairman.

**John P. Capazzi** Dumont, N.J.

**Glenn Andrew Chapman** Neptune, N.J.

**Frank W. Drobot** Newark, N.J.  
Student Chapter AIA (4, 5), Ferry Street Foundation  
(3, 4, 5), All School Sketch Problem Winner 1982,  
Honor List Fall 1982.

**Maura J. Dersh** Parsippany, N.J.

**Robert Duncan** Jersey City, N.J.

**Joseph Frank** Paterson, N.J.

**Daniel P. Harazim** Elizabeth, N.J.

**David B. Hartdorn** Pt. Pleasant, N.J.

**Gary R. Irwin** Pompton Plains, N.J.

**Heriberto Irizarry** Perth Amboy, N.J.



Frank Drobot



Maura Dersh



Robert Duncan



Joseph Frank



Daniel Harazim



David Hartdorn



Gary Irwin



Heriberto Irizarry





Johanna Jacob



Pat Jordan



Rosemary Kaiser



Ann Katz



Andrew Levine



Marc Mills



Raymond O'Brien



Marc Parette

**Johanna Jacob** East Brunswick, N.J.  
Vector (2, 3, 4, 5).

**Pat Jordan** Montclair, N.J.

**Rosemary S. Kaiser** Passaic, N.J.

**Ann Katz** So. Orange, N.J.

**Andrew M. Levine** Westfield, N.J.  
Audio Club (1, 2, 3, 4, 5).

**Marc W. Mills** Nutley, N.J.  
Student Chapter AIA (4), Christian Fellowship (5),  
Arch. Softball League (3, 4, 5), Football League (5),  
Dean's List (1, 2, 3, 4).

**Raymond E. O'Brien** Verona, N.J.

**Marc Robert Parette** Edison, N.J.  
Floor Hockey (2), Dean's List (1, 2, 3, 4, 5).



Glen Potter



Marjorie Privitera



John Scheckel



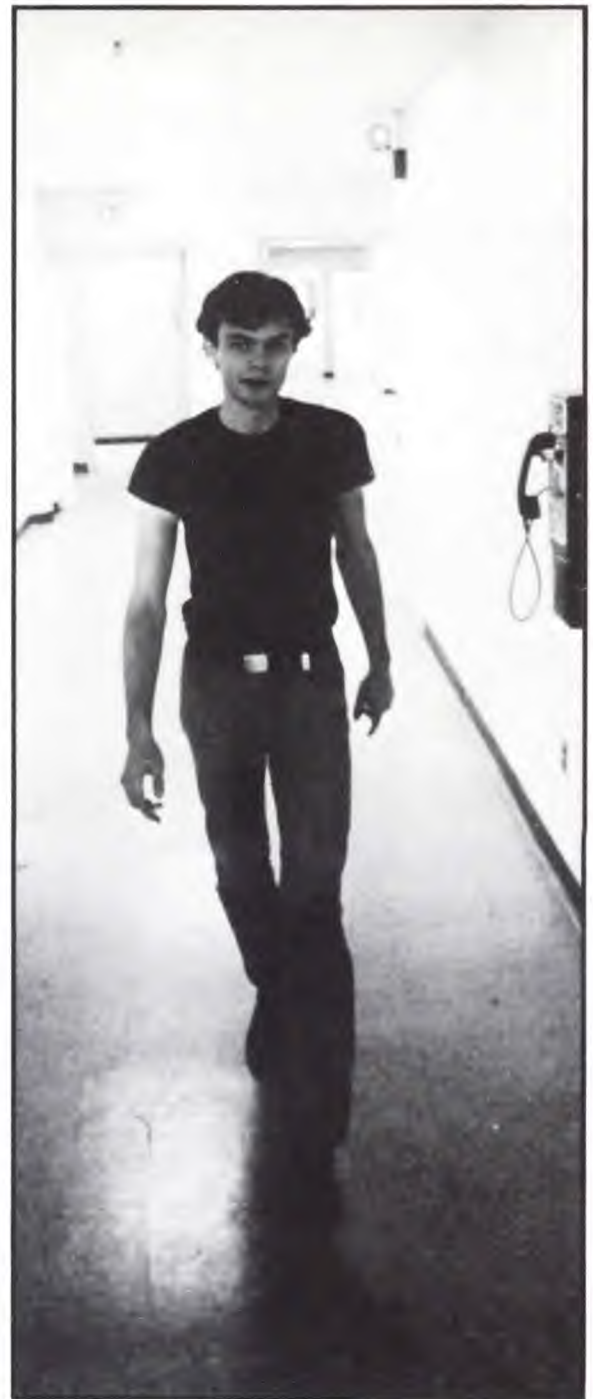
Lawrence Schreiber



Christopher Selitto



Elaine Snyder



**Glen R. Potter** Union, N.J.  
Pi Kappa Phi (1), Varsity Baseball (1, 2, 3, 4).

**Marjorie Dopart Privitera** Belleville, N.J.

**John Scheckel** Nutley, N.J.  
Nucleus (4, 5) Editor-in-Chief (5), Society of Collegiate Journalists (4, 5), Center Tap Pub Student Representative (5).

**Lawrence Schreiber** Piscataway, N.J.  
Pi Kappa Phi (1, 2, 3, 4, 5), Varsity Pistol Team (1, 2, 3, 4, 5).

**Christopher M. Selitto** Morris Plains, N.J.

**Elaine Rochelle Snyder** Bloomfield, N.J.



Michael Soriano



Randy Soprano



Vito Tamborrino



Jorge Toll



Amy Tong



Dan Wall



John Wanskus



James Winters



William Weisgerber



Glenn Wrigley



Charles Dietz

**Michael G. Soriano** Fanwood, N.J.  
Student Chapter AIA (4, 5), Nucleus Photographer (5), Arch. Softball League (3, 4), Football League (4).

**Randy Soprano** Caldwell, N.J.

**Vito Tamborrino** Belleville, N.J.  
Student Chapter AIA (4), Arch. Softball League (3, 4, 5), Varsity Soccer (1, 2).

**Jorge A. Toll** Elizabeth, N.J.  
Manny Nagle Award (4).

**Amy L. Tong** Union, N.J.  
Chinese Student Association (1, 2, 3), Social Chairperson (4, 5).

**John Peter C. Wanskus** Carteret, N.J.  
Student Chapter AIA (4), Nucleus Photographer (5), Arch. Softball League (3, 4, 5), Dean's List (3, 4).

**Dan Wall** Bayone, N.J. not Jersey City

**James Winters**

**William Weisgerber** Berkley Heights, N.J.  
Architectural Assoc. (3, 4, 5), Nucleus (4, 5), Photo Editor (5).

**Glenn Alvin Wrigley** Somerset, N.J.  
Student Chapter AIA (1, 2, 3), Pi Delta Epsilon (2, 3, 4, 5), Secretary (4, 5), Iota Beta Sigma (1, 2, 3, 4), Alpha Sigma Phi (3, 4), WJTB Radio (1, 2, 3, 4), Nucleus (4, 5), Managing Editor (5), Intramural Softball (1, 2, 3, 4).

**Charles Dietz** Irvington, N.J.

# Industrial Administration/Man And Technology

The Bachelor of Science in Industrial Administration program applies modern management principles to the administration of industrial organizations. Students may specialize in areas such as industrial relations, financial administration, and information management. The program can serve as an entry to a broad range of management positions in business and government in this complex technological age. The BSIA can also be used as the foundation for graduate study in business administration, management, or public administration.

The Man and Technology program is a liberal education for a technological age. It resembles a liberal arts program in the flexibility of its requirements. It differs from a liberal arts program because it has a strong technical component. The program is designed for those who want an understanding of the role of technology in society, but who do not necessarily plan to pursue a technical career.



Robert Arms



John Bella



Miguel Caceres



Matthew Criscenzo



Alejandro Estremera



Richard Farias



**Robert D. Arms** Bloomfield, N.J.  
S.A.C. (2), secretary (3), treasurer (4).

**John A. Bella** New Providence, N.J.  
S.A.M. (3, 4), Audio Club (4), Dean's List (3, 4).

**Miguel D. Caceres** Newark, N.J.  
Society of Hispanic Professional Engineers, O.L.A., Club Santo Domingo, Intramurals – basketball, volleyball, softball. Sports – volleyball, Awards and Honors – E.O.P. Award – 3.0 GPA, Club Santo Domingo Award – best member, St. Augustine Community Service Award.

**Matthew Joseph Criscenzo** Hawthorne, N.J.  
S.A.M. (1, 2, 4), Student Cabinet (3, 4), Ski Club (1, 2, 3, 4), Miniversity (3, 4), S.A.C. treasurer (1, 2), Vice-president (3, 4), Intramurals – volleyball (1, 2, 3, 4), softball (1, 2), Dean's List (3, 4).

**Alejandro Estremera** Kearny, N.J.

**Richard J. Farias** Bayonne, N.J.  
S.A.C., Ass't. Recreation Chairman (1), Recreation & Trips Chairman (2), Miniversity (2), Theatre Group (2).

**Charles Paul Fennell** Newark, N.J.

**Terri Renee Henderson** Orange, N.J.

**Richard B. Huang** Parsippany, N.J.

**Robert Kimball** Newark, N.J.



Charles Fennell



Terri Henderson



Richard Huang



Robert Kimball

**Sidi A. Ogegbo** Newark, N.J.

**Veronica S. Ramrattan** Orange, N.J.

**Patrick D. Regan** Verona, N.J.  
S.A.C. (1, 3, 4), Chairman (4), Society for Advancement of Management (2, 3, 4), Ski Team (1, 3, 4).

**Cheryl Marie Senia** Lodi, N.J.  
I.E.E.E. (2), S.A.M. (3, 4), Student Senator (4), Century Club (3, 4), Intramurals – volleyball (3).

**David Arthur Violett** Secaucus, N.J.  
Peer Counselor (3, 4), Publicity Coordinator (3, 4) Bowling Team (3, 4), Newspaper Staff (3, 4), Feature Features Editor (3, 4), Omicron Delta Kappa Leadership Honor Society (4).

**Edward Williams** Hillside, N.J.  
S.A.M. (4).

**Patricia D. Freeman** Orange, N.J.  
American Management Association (4), American Society of Professional and Executive Women (4), Boy Scouts Chairlady – Troop 183 (1, 2), National Dean's List (2), Who's Who Among American Jr. Colleges (2).

**Michael Thomas Hadacko** Carteret, N.J.  
Society for Advancement of Management (1, 2, 3, 4), President (2, 3), Humanistic Distinction Dept. of Humanities.

**Kenneth G. Pugh** Asbury Park, N.J.  
Alpha Phi Alpha Fraternity, Inc., N.S.B.E.



Sidi Ogegbo



Veronica Ramrattan



Patrick Regan



Cheryl Senia



David Violett



Edward Williams



Patricia Freeman

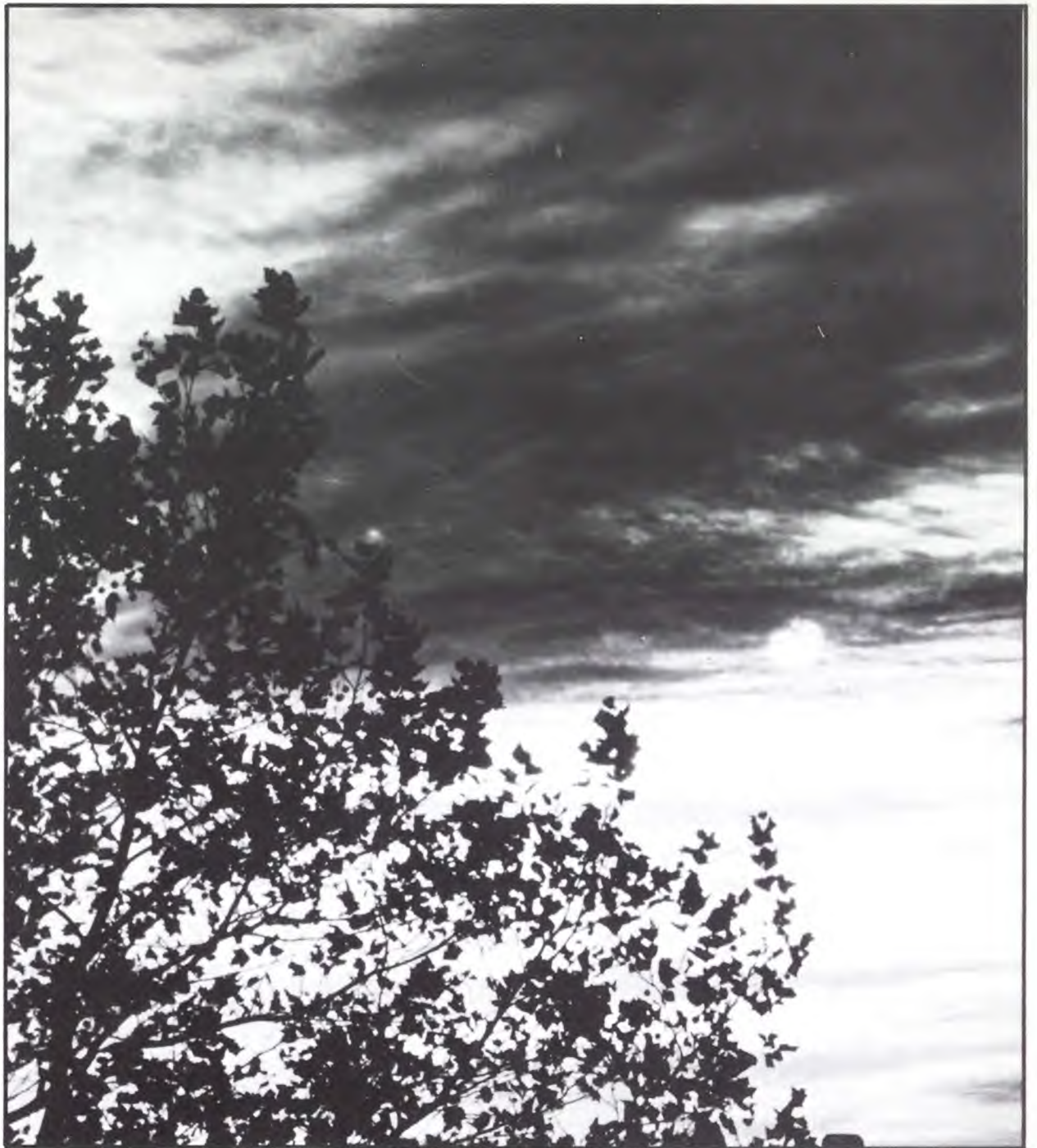


Michael Hadacko



Kenneth Pugh





# Chemical Engineering

The chemical engineer is involved in the design and operation of plants that manufacture a wide variety of chemicals, including plastics, textile fibers, gasoline, and pharmaceuticals. The work of the chemical engineer can be very diverse, ranging from research to reduce air pollution to sales of a new detergent.

Chemical engineers will play an important role in resolving the energy crisis, because of their expertise in oil refining, recovery of oil from oil shale, the manufacture of synthetic fuels from coal, and the preparation and recovery of nuclear fuels.



Francis Anderson



Neale Bedrock



**Francis Anderson**

Harrison, N.J.

**Neale Bedrock**

Cliffside Park, N.J.

American Institute of Chemical Engineers (1, 2, 3, 4), American Chemical Society (1, 2, 3, 4), Pi Delta Epsilon (2), Treasurer (3), President (4), Iota Beta Sigma (2), Treasurer (3), President (4), Student Senate—Financial Vice-President (3), President (4), WJTB Radio (1), Business Administrator (2), General Manager (3), Publications Council (2), Treasurer (3), President (4), Alpha Sigma Phi President (3, 4), Indoor Track and Field (1, 2, 3), Outdoor Track and Field (1, 2), Varsity Cross Country (1, 2), Captain/Coach (3), 2 Varsity Letters in Cross Country, Society for Collegiate Journalists Medal of Merit.

**Eugene Beyer**

Nutley, N.J.

A.I.C.E., A.C.S., Student Senate, Bio-medical Club.

**Mary Ellen Bombaggio**

Elizabeth, N.J.

American Institute of Chemical Engineers (2, 3, 4), American Chemical Society (3, 4), Omega Chi Epsilon, President (4).

**Michael Clarke**

Cranford, N.J.

**Sherry Dauerman**

Fort Lee, N.J.

Student Activities Council (1, 2), Chairperson (3, 4), Alpha Phi Omega (1, 2), Pledgemaster (3), Secretary (4), A.I. Ch. E. (1, 2, 3, 4), I.S.S. (2, 3, 4), A.C.S. (3, 4), Freshman Physics Secretary Representative



Eugene Beyer



Mary Bombaggio



Michael Clarke



Sherry Dauerman

**Michael Degen** Clifton, N.J.  
American Chemical Society (1, 2, 3), Vice-President (4), A.I.Ch.E. (1, 2, 3, 4).

**Vihang Desai** Closter, N.J.  
A.I.Ch.E. (3, 4), Chemical Engineering Senator (3), Indian Students' Association (1, 2), President (3), Vice-President (4), Tennis, Badminton, Varsity Tennis Team (3, 4).

**Mark Dobrovolny** Piscataway, N.J.  
American Chemical Society, A.I.Ch.E., Dean's List.

**Alikahn Eghbal** Irvington, N.J.

**Davood Faghani** Jersey City, N.J.

**William Furrier** Northvale, N.J.  
Iota Kappa Phi (1, 2, 3, 4), Ice Hockey (1, 2, 3, 4).

**Stephen Fedorowsky** Union, N.J.  
American Institute of Chemical Engineers (2, 3, 4), American Chemical Society (2, 3, 4).

**Gustave Franco** Hazlet, N.J.  
A.I.Ch.E. (2, 3, 4), Student Advisory Committee (3, 4), Senior Representative, Sigma Pi (1, 2, 3, 4), Vector — Announcements Editor (3), Scuba Club (3, 4).



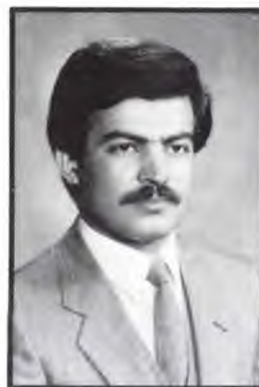
Michael Degen



Vihang Desai



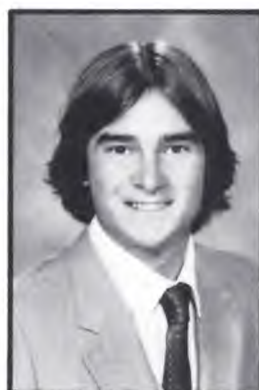
Mark Dobrovolny



Alikahn Eghbal



Davood Faghani



William Furrier



Stephen Fedorowsky



Gustave Franco



Scott Frauenpreis



John Frotton



William Fulton



Taraneh Ghafaurian



John Goya



Anna Hintenach



Peter Holler



Robert Jacobson

**Scott Frauenpreis** Boonton, N.J.

**John Frotton** Nutley, N.J.  
American Institute of Chemical Engineers, Dean's List.

**William Fulton** Elizabeth, N.J.  
American Society of Chemical Engineers, Black Association of Student Engineers, Dean's List, Scholarships, Beog, Huber Englehard, Women's Club of Elizabeth.

**Taraneh Ghafaurian** Bayonne, N.J.  
American Chemical Society.

**John Goya** West New York, N.J.  
Student Director of Student Employment.

**Anna Hintenach** Elizabeth, N.J.  
A.I.Ch.E. (1, 2, 3, 4), S.W.E. (4), S.A.C. (1), Softball (3, 4), Director of Special Events (4), Dean's List (3).

**Peter Holler** Verona, N.J.  
American Institute of Chemical Society, American Chemical Society, Biomedical Engineering Club, Football, Basketball, Volleyball, Golf Team Captain.

**Robert Jacobson** Newark, N.J.  
American Institute of Chemical Engineers (2, 3, 4), American Chemical Society (4), Iota Kappa Phi (1, 4), Pledgemaster (2, 3), Chairman (3), Inter-Fraternity Council (2), Vector (4).

**Matthew Kedzierski** Mahwah, N.J.  
American Institute of Chemical Engineers President (3, 4), American Chemical Society (2, 3, 4), Omega Chi Epsilon (3, 4), Tiernan Express, Football, Basketball, Softball – Captain (1, 2, 3, 4), Chemical Engineering Merit Award (1, 2, 3, 4).

**Ghassan Kodersha** Ridgewood, N.J.  
American Institute of Chemical Engineers, American Chemical Society.

**Edward Kropaczek** Clark, N.J.  
American Institute of Chemical Engineers (1, 2, 3, 4, 5).

**Chi Lam** Elizabeth, N.J.

**William Lenahan** Carteret, N.J.  
American Institute of Chemical Engineers, American Chemical Society (2, 3, 4), Phi Eta Sigma, Hockey (1, 2, 3, 4), Football (3, 4), Volleyball (1, 2, 3, 4), Softball (1, 2, 3, 4), Scholarships: Engelhard, Exxon, Dupont.

**Stephen Lewkovich** Maplewood, N.J.  
American Institute of Chemical Engineers (2, 3, 4), American Chemical Society (3), Ice Hockey (1, 2, 3).

**Robert Maday** Rutherford, N.J.  
American Institute of Chemical Engineers Treasurer, Intramural Football (2, 3, 4), Intramural Softball (1, 2, 3, 4), Intramural Basketball (2, 3, 4).

**Agapito Madrigal** Newark, N.J.  
American Institute of Chemical Engineers, American Chemical Society.



Matthew Kedzierski



Ghassan Kodersha



Edward Kropaczek



Chi Lam



William Lenahan



Stephen Lewkovich



Robert Maday



Agapito Madrigal





Ana Marinho



Thomas McCormick

**Ana Marinho** Hillside, N.J.  
A.I.Ch.E. (3, 4), A.C.S. (4), S.W.E. (4), I.S.A. Secretary (4), Portugese Students Association, Secretary (3, 4), Dean's List (2).

**Thomas McCormick** Pequannock, N.J.  
A.I.Ch.E. (2, 3, 4), Finance Committee (3), Kappa Xi Kappa (2), Treasurer (3), President (4), I.F.C. (2, 3), Editor (4), Soccer (1), Chemical Engineering Merit Award (1), Peter Jensen Award (4).

**Rudy Montane** Elizabeth, N.J.  
Karate Coach

**Mustafa Mustafa** Jersey City, N.J.  
M.S.A., G.V.P.S.

**Thomas Nelson** Bloomfield, N.J.  
A.I.Ch.E. (1, 2), Secretary (3, 4), A.C.S. (2, 3, 4), Football, Basketball, Turkey Trot, Softball (1, 2, 3, 4), Ice Hockey (2), Golf (2, 3, 4), Ch.E. Merit Award, Dean's List (2, 3, 4).

**Andrew Parformak** Wallington, N.J.  
A.I.Ch.E., S.A.C., A.C.S.

**Steven Petrillo** Lyndhurst, N.J.  
A.I.Ch.E. (1, 2, 3, 4), A.C.S. (2, 3, 4), Miniversity (2, 3), Football, Basketball, Softball, (1, 2, 3, 4), Hockey (2, 3), Dean's List (2, 3).

**Prashant Patel** Hoboken, N.J.  
A.I.Ch.E., A.S.C., (2, 3, 4).

**Hema Ramaswany** Irvington, N.J.

**Mitra Rafiei** Jersey City, N.J.



Rodolfo Montane



Mustafa Mustafa



Thomas Nelson



Andrew Parformak



Steven Petrillo



Prashant Patel



Hema Ramaswany



Mitra Rafiei

**Roberto Reyes**  
A.I.Ch.E. (3, 4).

Jersey City, N.J.

**Darryl Riley**  
A.T.Ch.E., A.C.S., N.S.B.E. Pres. (3), A.P.A. Fraternity,  
Iota Rho Chapter, B.A.S.E. Basketball.

E. Orange, N.J.

**Jeffrey Roepke**  
A.I.Ch.E., A.C.S.

Wayne, N.J.

**Nabeel Salem**  
A.C.S., A.I.Ch.E., Soccer.

North Bergen, N.J.

**Javier Salgado**  
A.I.Ch.E. (1, 2, 3, 4), A.C.S. (2, 3, 4), Medical Engi-  
neering Club (3, 4), O.L.A.S. (1, 2).

North Bergen, N.J.

**Curtis Schmidt**

Jersey City, N.J.

**Joseph Sheng**  
A.I.Ch.E. (1, 2, 3, 4), A.C.S. (1, 2), I.S.A. (3, 4), C.S.A.  
(1, 2, 3, 4), Dean's List (2, 3), American Cyanamid  
Scholarship (2).

Livingston, N.J.

**Glenn Small**  
Alpha Phi Delta (1, 2, 3, 4), Senate (4), Chem. Lab  
Assistant (3, 4).

Newark, N.J.

**Russell Smith**  
Weightlifting (2, 3, 4), Softball (3, 4), 2nd place in  
N.J.I.T. Repetition Contest (3).

Roseland, N.J.

**Alan Tafler**  
A.C.S., A.I.Ch.E., Biomedical Club Pres., Dean's List.

Elizabeth, N.J.



Roberto Reyes



Darryl Riley



Jeffrey Roepke



Nabeel Salem



Javier Salgado



Curtis Schmidt



Joseph Sheng



Glenn Small



Russell Smith



Alan Tafler





Jane Ten Eyck



Thomas Testa

**Jane Ten Eyck**  
A.I.Ch.E. (3, 4), S.W.E. (4).

Colonia, N.J.

**Thomas Testa**  
Verona, N.J.  
A.I.Ch.E. (1, 2, 3), V. P. (4), A.C.S., Phi Eta Sigma (1, 2, 3, 4), Football, Hockey, Baseball (1, 2, 3, 4), Odon S. Knight Award (4), Chem. Eng. Merit Scholarship (3, 4), Dean's List (1, 2, 3, 4).

**Edward Walker**  
E. Orange, N.J.  
A.I.Ch.E. (1, 3, 4), A.C.S. (3, 4), B.A.S.E. (3), American Cyanamid Scholarship (2, 4), Union Carbide Scholarship (3), Garden State Scholarship (1), Dean's List (2, 3).

**Todd Wheeler**  
Montclair, N.J.  
A.S.Ch.E., Basketball, N.A.C.M.E. Scholarship, Dean's List (1, 2).

**Constance Williams**  
Union, N.J.  
S.W.E. (5), A.I.Ch.E. (5), N.S.B.E. (4, 5), WJTB (3, 4, 5), B.A.S.E. (4, 5).

**Eric Wilson**  
Mountain Lakes, N.J.  
Dean's List .

**Christopher Zeiner**  
Red Bank, N.J.



Edward Walker



Todd Wheeler



Constance Williams



Eric Wilson



Christopher Zeiner

# Computer Science

Computer Science is the study of information; its structure, its representation and its utilization. This includes analysis, design, implementation and application of computer programs (software) and computer equipment (hardware) for developing computerized information processing systems in response to users' needs.

The use of computers can be characterized as augmenting a person's mental skills and intelligence. This is in contrast to other machines which are characterized as augmenting a person's physical skills and strength. The dramatic uses of computers in problem solving and in support of human cognitive processes has resulted in a change in the thinking of professionals in every discipline. Modern enterprises also are dependent on computers for automating their industrial and office procedures and practices. In order to keep pace with these sophisticated technological uses of computers, professionals in the computer field must understand and employ advanced scientific concepts in their work.



Gary Aiello



Belinda Bednarik



**Gary Aiello**

Jersey City, N.J.

**Belinda R. Bednarik**

Madison, N.J.  
Assoc. for Computing Machinery (2, 3), Secretary 2,  
Vice-Chairman 3, Upsilon Pi Upsilon, Distinction in  
Humanistic Studies.

**Charles L. Blair**

Eatontown, N.J.  
Assoc. for Computing Machinery (2, 3, 4), Upsilon Pi  
Upsilon (3), Tau Beta Pi (4).

**Glyne Chandler**

Plainfield, N.J.

**Andrew Ciffer**

Rutherford, N.J.

**James Clemens Jr.**

Maplewood, N.J.  
A.F.R.O.T.C.

**Claudi Dauerman**

Fort Lee, N.J.  
Assoc. for Computing Machinery (2, 3, 4), Omicron  
Delta Kappa (3, 4), Pres. (4), Ski Club (1, 2, 3, 4),  
Treas. (3), Pres. (4), Student Activities Council (1, 2,  
3, 4), Student Senate Cabinet (2, 3).

**Felipe De Mier**

West New York, N.J.  
Assoc. for Computing Machinery (3, 4).

**Raymond Joseph Fasullo**

Clark, N.J.  
Assoc. for Computing Machinery (4), Dean's List (2,  
3, 4).

**Donald Grant**

Parsippany, N.J.



Charles Blair



Glyne Chandler



Andrew Ciffer



James Clemens



Claudi Dauerman



Felipe De Mier



Raymond Fasullo



Donald Grant

**Anup Goyal** W. Caldwell, N.J.

**Brian J. Gleason** Kearny, N.J.  
Assoc. for Computing Machinery (3, 4).

**Geoffry Jerome Gettelfinger** Princeton, N.J.

**David N. Klein** Freehold, N.J.  
Assoc. for Computing Machinery, IEEE, Residence Council (2, 3, 4), Miniversity (3), Softball (1, 2, 4), Bowling (1), Volleyball (3, 4), Dorm Basketball & Volleyball (1, 2, 3, 4), Dean's List (2, 3), Academic Honors (2).

**Jolanta M. Kaminska** Bayone, N.J.  
Assoc. for Computing Machinery (3, 4), Freshman Honor Society (2, 3).

**Wanda Knapik** Livingston, N.J.  
Assoc. for Computing Machinery, Ski Club, Gymnastics Club.

**Joseph William Kohut** Fanwood, N.J.  
Upsilon Pi Upsilon, Audio Club Pres. (3).

**John Philip Kraus** Jersey City, N.J.  
Assoc. for Computing Machinery (3, 4), Football (2).



Anup Goyal



Brian Gleason



Geoffrey Gettelfinger



David Klein



Jolanta Kaminska



Wanda Knapik



Joseph Kohut



John Kraus



Terry Knight



Shyam Manikar



Prema Pragdat



T. Keenan Phelan



Gay Riedel



Domenico Riggi



Robert Smetana



John Strenkowski

**Terry M. Knight** East Orange, N.J.  
Assoc. for Computing Machinery (3, 4), N.S.B.E. (1, 2, 3, 4), Secretary (4), B.A.S.E. (1, 2, 3, 4), Treas. (3), Historian (4), NJIT Cheerleader Captain (3).

**Shyam P. Manikar** West Orange, N.J.  
Tau Beta Pi (4), T.A. (CIS).

**Prema C. Pragdat** Elmwood Park, N.J.  
Assoc. for Computing Machinery (3, 4), Alpha Phi Omega (1, 2, 3, 4), Secretary (2).

**T. Keenan Phelan** Ocean City, N.J.  
Arnold Air Society (3, 4), Commander (5), A.F.R.O.T.C. (3, 4, 5), Softball (3, 4, 5), Hockey (2, 3, 4, 5), Octobertech (2, 3, 4), Crew Leader (4).

**Gay E. Riedel**

**Domenico Riggi** Elizabeth, N.J.  
Assoc. for Computing Machinery (4), Floor Hockey (1, 2, 3, 4), Football (2, 3).

**Robert Allen Smetana** Elmwood Park, N.J.  
Aviation Club (1, 2), Assoc. for Computing Machinery (4).

**John William Strenkowski** Whippany, N.J.  
Tau Kappa Epsilon (2), I.F.C., Football, Basketball, Softball (2), Dean's List (2).

**John Surgent** Elmwood Park, N.J.  
Assoc. for Computing Machinery.

**Genetta Marie Swiney** Montclair, N.J.  
National Society for Black Engineers (2, 3).

**James William Stringer** Paterson, N.J.  
Assoc. for Computing Machinery (4), Football (2, 3, 4), Floor Hockey (2, 3, 4), Softball (4).

**Peter Alexander Teklinski** Ridgefield Park, N.J.  
Assoc. for Computing Machinery.

**Robert Michael Theiller** Wayne, N.J.  
Astronomical Physics Club, Intramural Basketball, Football, Softball, Hockey, Volleyball.

**Michael J. Ticse** Marlboro, N.J.  
Theta Chi (1, 2, 3, 4), I.F.C. Secretary (3), Computer Service Task Force Chairman (4), Ski Team (1, 2, 3, 4), Co-Capt. (4), Professional Conduct Committee (3), Miniversity Group Leader (3).

**Anthony G. Tobey** Westfield, N.J.  
Phi Eta Sigma, Upsilon Pi Upsilon, Pi Kappa Phi (2, 3) Vice-Pres. (3), Intramural Basketball (1, 2, 3), Football (1, 2, 3), Referee (1, 2, 3, 4), Varsity Baseball (1, 2, 3, 4).

**Ti C. Vuong** Nutley, N.J.



John Surgent



Genetta Swiney



James Stringer



Peter Teklinski



Robert Theiller



Michael Ticse



Anthony Tobey



Ti Vuong



# Civil Engineering

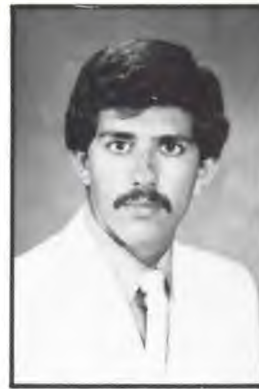
Civil Engineering involves the art and science of looking at problems with a view towards solutions. It deals with people and cities, producing clean air and water, providing for the disposal of wastes, and developing efficient transportation, housing and water supply systems. It is concerned with the planning, design and construction phases of a project, including energy, environmental, and economic considerations.

The Civil Engineering graduate is well prepared to enter the job market through federal, state, and municipal agencies, in the many consulting firms in the metropolitan area and throughout the country, or with the major industrial firms involved with aspects of planning design, construction or environmental control. Preparation is also given such that a student is able to enter the job market in research and development fields.





Mark Addison



Tony Amaral



Arthur Colvin



Paul Christiano



Jay Davis



Gerard DelTufo

**Mark Addison**

Caldwell, N.J.

**Tony Amaral**

Newark, N.J.

American Society of Civil Engineers (3, 4), Chi Epsilon — National Civil Engineering Honor Society (4), Omicron Delta Kappa — National Leadership Honor Society (4).

**Arthur Colvin**

Bayville, N.J.

A.S.C.E. (3, 4), Kappa Xi Kappa, Academic Honors.

**Paul Christiano**

Rockaway, N.J.

**Jay Davis**

East Brunswick, N.J.

Society of Civil Engineers.

**Gerard DelTufo**

West Orange, N.J.

American Society of Civil Engineers (2, 3, 4), Chi Epsilon — National Civil Engineering Honor Society (3, 4), Student Senate (3), Barbell Club, A.S.C.E., Associate Members' Forum Award.

**Donato Di Zuzio** Paterson, N.J.  
A.S.C.E. (4), Basketball, Softball, Soccer (1, 2, 3).

**Chafik Eltowkhy** New Milford, N.J.

**Robert Ertle** Spotswood, N.J.  
A.S.C.E. (4), Tau Epsilon Phi (4), Indoor Soccer Referee (2), Floor Hockey (2), Softball (2, 3), Dorm Basketball (2), Dorm Volleyball (2), Ski Team (3, 4).

**Mostafa Fakhrzadeh** Miltown, N.J.  
A.S.C.E., Soccer.

**Robert Forsyth** Lavallette, N.J.  
A.S.C.E.

**Susan Fritzen** Chester, N.J.  
American Society of Civil Engineers (2, 3, 4), Recording Secretary A.S.C.E. (4).

**Frank Fusaro** Westfield, N.J.  
American Society of Civil Engineers (2), Vice-President (3), President (4), American Nuclear Society (3, 4), Pi Kappa Phi (1), Secretary (2, 3, 4).

**James Hamje** Newark, N.J.  
American Society of Civil Engineers (1, 2, 3, 4), Chi Epsilon - Civil Engineering Honor Society (4), Organization for the Promotion of Cooperative Education (3, 4).



Donato DiZuzio



Chafik Eltowkhy



Robert Ertle



Mostafa Fakhrzadeh



Robert Forsyth



Susan Fritzen



Frank Fusaro



James Hamje





Maher Kabbara



Mohammad Ali Kermani



Roger Kirk



Maryann Klecha



Tibor Latincics



Peter Longo



Zak Lucin



Alicia Marin

**Maher Kabbara** Closter, N.J.  
Volleyball, Tennis.

**Mohammad Ali Kermani** Newark, N.J.  
American Society of Civil Engineers, Muslim Student Association.

**Roger Kirk** East Orange, N.J.

**Maryann Klecha** Pequannock, N.J.  
American Society of Civil Engineers (3, 4), Corresponding Secretary A.S.C.E. (4), Chi Epsilon (3, 4), President — Chi Epsilon (4), Honors in Humanities (1, 2, 3), Dean's Academic Honors (1, 2, 3, 4).

**Tibor Latincics** Ringwood, N.J.

**Peter Longo** Newark, N.J.  
American Society of Civil Engineers (3, 4), Physics Dept. Feedback Representative (2), Theta Chi President (4), Vice-President (3), Chaplain (2), Inter-Fraternity Council (2, 3, 4), Alumni Phonathon (1, 2, 3, 4), New York Academy of Sciences (3, 4), Mini-Versity (3), Football, Softball (1, 2, 3, 4).

**Zak Lucin** Bloomfield, N.J.  
A.S.C.E. (2, 3, 4), Chi Epsilon (3, 4), Audio Club (3, 4), Vice-President A.S.C.E. (4), Secretary — Chi Epsilon (4), Intramural Hockey (2, 3), Intramural Football (2), O.D.K. (4).

**Alicia Marin** North Bergen, N.J.  
American Society of Civil Engineers (2, 3, 4), Organization Latino Americana (3, 4), Chi Epsilon (3, 4), Co-Op Club (3, 4).

**Thoman MacPhee**

Colts Neck, N.J.  
American Society of Civil Engineers (2, 3, 4), Phi Eta Sigma (1, 2, 3, 4), Chi Epsilon (3, 4), Association of Co-Op Education Students', Football (1, 4), Volleyball (3, 4), Dean's List (1, 2, 3, 4).

**Abolhassan Naehini**

Newark, N.J.  
American Society of Civil Engineers.

**Maria Nicolaou**

Newark, N.J.  
A.I.C.E., Hellenik Club "Euklides", Dean's Honor List.

**Fahed Nmour**

Jersey City, N.J.  
American Society of Civil Engineers (4), Volleyball (3), Soccer (3), Dean's List (3).

**Robert Parylak**

Rutherford, N.J.  
American Society of Civil Engineers, Barbell Club.

**Gene Santana**

Paterson, N.J.  
A.S.C.E. (1, 2, 3, 4), I.S.A. (4), O.L.A. (1, 2, 3, 4), Treasurer (3), WJTB-d.j. (1, 2, 3, 4), NJIT ambassadors, Cabinet co-chairman (3), Senate treasurer (4), Omicron Delta Kappa I.B.E. (3,4), X.E. — Marshal and associate editor (3,4).



Thomas MacPhee



Abolhassan Naehini



Maria Nicolaou



Fahed Nmour



Robert Parylak



Gene Santana





Leonard Sendelsky



Robert Skalla



Glenn Thomas



James Williams



Mohsen Zargarelahi



**Leonard Sendelsky**                      Colonia, N.J.  
A.S.C.E. (3, 4), Chi Epsilon (3, 4), Sigma Chi Epsilon –  
National Civil Engineering Honor Society (3, 4),  
Dean's List (3).

**Robert Skalla**                              Woodbridge, N.J.  
American Society of Civil Engineers (2, 3, 4).

**Glenn Thomas**                              Roseland, N.J.  
American Society of Civil Engineers, Chi Epsilon.

**James Williams**                              Whippany, N.J.  
American Society of Civil Engineers (3, 4), Chi Eps-  
ilon (3, 4), Ice Hockey (3, 4), Most Valuable Player –  
Ice Hockey (3).

**Mohsen Zargarelahi**                      Newark, N.J.



# Electrical Engineering

Electrical engineering is a diversified and challenging profession concerned with the design, development, fabrication, and control of the electrical devices upon which our technological society depends. Electrical engineers utilize their knowledge of devices and systems design to be involved in a multitude of areas. A small sampling would include: integrated circuits, computers, environmental and biomedical instrumentation, energy conversion and distribution, space vehicle control, microprocessor's, and satellite communications. The curriculum provides a broad education in mathematics, the physical sciences, humanities and social sciences. On their foundation is built a depth of understanding in electrical engineering and related fields. In the senior year, a student may emphasize an area of his/her interest by selecting from a broad range of electives, including a systems sequence in communications, control, computers, power, or medical instrumentation. The aim is to educate an electrical engineer who can think analytically and creatively, work effectively, and communicate the result of his/her work clearly to others.



Alfred Ascione



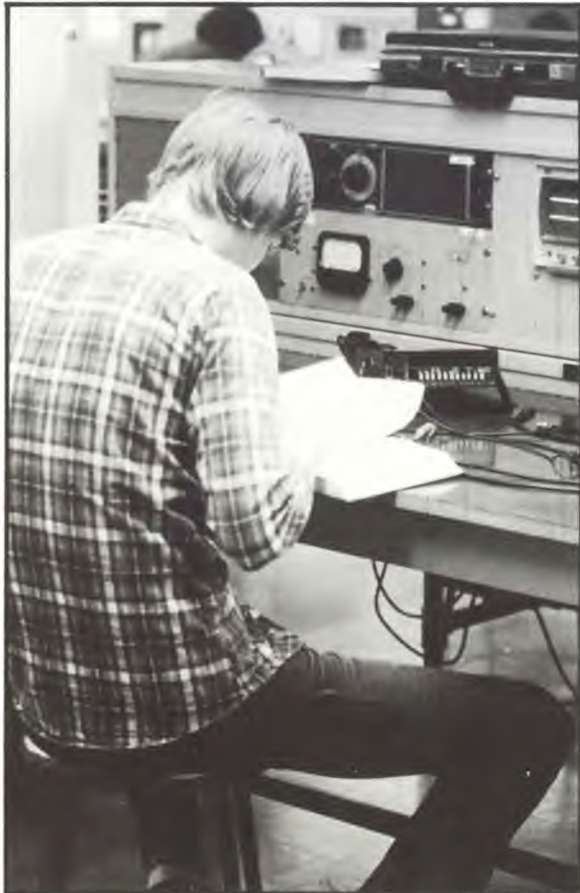
Eric Bartscherer



George Berent



William Blencowe



Jeffrey Bowcock



Rowan Burtyk



James Byrne



Robert Cassidy

**Alfred Ascione** Wayne, N.J.  
 Institute of Electrical and Electronic Engineers (3, 4),  
 Eta Kappa Nu (3, 4), Tau Beta Pi (3, 4), Senior Class  
 President (4), Vector Staff Senior Editor (4), An-  
 nouncements Editor (3), Sports Writer (3, 4), Foot-  
 ball (2, 3, 4), Softball (1, 2, 3, 4), Basketball (1, 4),  
 Volleyball (1, 2, 3, 4), Varsity Ice Hockey (2, 3, 4),  
 Fitzgerald Award.

**Eric Bartscherer** Little Falls, N.J.

**George Berent** Bergenfield, N.J.

**William Blencowe** Wayne, N.J.  
 I.E.E.E. (2, 3, 4), S.A.C. (2, 3)

**Jeffrey Bowcock** Toms River, N.J.  
 I.E.E.E. (3, 4).

**Rowan Burtyk** Clifton, N.J.  
 I.E.E.E., Volleyball (1, 2, 3, 4).

**James Byrne** Nutley, N.J.  
 I.E.E.E. (3, 4), Softball (3, 4), Dean's List (2).

**Robert Cassidy** West Orange, N.J.  
 Wargamers and Adventures Club.

**Gregory Ciurpita** Parsippany, N.J.

**Edward Cleaver** Glen Rock, N.J.

**Charles Clinton** Elmwood Park, N.J.  
I.E.E.E. (2, 3, 4), National Space Institute (3, 4).

**Joseph Cuccaro** Union City, N.J.

**William Cummings** Englishtown, N.J.  
I.E.E.E. (2, 3, 4), Order of the Engineer (4), Eta Kappa Nu (3, 4), Tau Beta Pi, Secretary (3, 4), Volleyball (4), Dean's List (2, 3, 4).

**Michael Cunha** Newark, N.J.  
I.E.E.E.

**Andrew D'Amico** Saddle Brook, N.J.

**Joseph Dicristina** Fairfield, N.J.  
I.E.E.E. (4), Order of the Engineer (4), Karate Club, Dean's List (1).



Gregory Ciurpita



Edward Cleaver



Charles Clinton



Joseph Cuccaro



William Cummings



Michael Cunha



Andrew D'Amico



Joseph Dicristina





Kevin Delauri



Paul Dubos



Abdelkarim Elqaisi



Fariborz Firodzeh



Gregory Ford



Andreas Gabriel



Anthony Giammarino



Thomas Glanville

**Kevin Delauri** Paramus, N.J.

**Paul Dubos** Fort Lee, N.J.  
I.E.E.E., Hockey (1, 2), Soccer (1).

**Abdelkarim Elqaisi** Paterson, N.J.  
Volleyball.

**Fariborz Firodzeh** Branch Brook, N.J.

**Gregory Ford** Newark, N.J.  
N.S.B.E. (4), B.A.S.E. (4), I.E.E.E. (4), Basketball (4).

**Andreas Gabriel** Elizabeth, N.J.

**Anthony Giammarino** South Plainfield, N.J.

**Thomas Glanville** Pompton Plains, N.J.  
I.E.E.E. (3, 4), Soccer (3, 4), Dean's List (1, 2, 3, 4).



**Ekhlash Haddad**  
I.E.E.E. (3, 4).

Jersey City, N.J.

**Boushra Hanna**  
I.E.E.E.

Jersey City, N.J.

**Joseph Heilmeier**  
I.E.E.E. Secretary, Junior Class Vice-President, Ambassador Society.

Dover, N.J.

**Jihad Hermes**

North Bergen, N.J.

**Joseph Hickey**

Wayne, N.J.

**Franck Huey**  
I.E.E.E. (4).

Bloomfield, N.J.

**Hyung Kim**

Staten Island, N.Y.

**Raymond Jablonski**  
I.E.E.E. (3, 4), Phi Lambda Sigma (1, 2, 3, 4), N.C.E. Varsity Rifle Team (1, 2, 3, 4).

Newark, N.J.



Ekhlash Haddad



Boushra Hanna



Joseph Heilmeier



Jihad Hermes



Joseph Hickey



Franck Huey



Hyung Kim



Raymond Jablonski





Rodney Jackson



Bruce Jankowski



Gordon Johnson



Roger Johnson



James Julian



Daniel Karalis



Edward Kierman



Robert King

**Rodney Jackson** Newark, N.J.  
N.S.B.E. (2, 3, 4), B.A.S.E. (2, 3, 4), Basketball (2, 4).

**Bruce Jankowski** Hillsdale, N.J.  
Softball, Basketball, Skiing (2, 3, 4).

**Gordon Johnson** River Vale, N.J.

**Roger Johnson** North Caldwell, N.J.  
I.E.E.E.

**James Julian** Teaneck, N.J.  
I.E.E.E. (1, 2, 3, 4), A.E.S. (1, 2, 3, 4), S.M.P.T.E. (1, 2, 3, 4), S.A.E. (2, 3, 4), Audio Club (1, 2, 3, 4).

**Daniel Karalis** Cranford, N.J.  
I.E.E.E. (3, 4).

**Edward Kierman** Palasades Park, N.J.  
I.E.E.E. (3, 4).

**Robert King** Hopatcong, N.J.  
Tau Epsilon Phi (1, 2, 3, 4), Dean's List (1, 2, 3, 4).

**Kyriacos Kokkino**  
I.E.E.E. (1).

Newark, N.J.



Kyriacos Kokkino



Veronica Kyriacou

**Veronica Kyriacou**  
I.E.E.E. (1), S.W.E.

Newark, N.J.

**Gary Lampasona**

Iselin, N.J.

I.E.E.E. (3, 4), Barbell Club (3, 4), Senior Council (4),  
Football, Softball (1, 2, 3, 4).



Gary Lampasona



Ronnie LaSala



Dimitros Limitsios



David Lisowski

**Ronnie LaSala**

SpringLake, N.J.

S.W.E. (4), I.E.E.E. (4), O.D.K. (3, 4), Alpha Phi Omega  
(1, 2, 3, 4), Pres. (3), S.A.C. (3, 4), Dean's List (2).

**Dimitros Limitsios**

Newark, N.J.

I.E.E.E. (4), I.S.A. (3, 4), Hellenic Club (2, 3, 4), Soccer  
(2, 3, 4).

**David Lisowski**

Clifton, N.J.

I.E.E.E., Tau Beta Pi.

**Francis Loso**

Keyport, N.J.

I.E.E.E., Phi Eta Sigma (2, 3, 4), Treasurer (3), Tau Beta  
Pi (3, 4), Sec. (4), Eta Kappa Nu (3, 4), Pres. (4),  
Astronomy and Astrophysics Club (1, 2, 3, 4), Pres.  
(1, 2, 3).



Francis Loso



James Lurski

**James Lurski**

Irvington, N.J.

Astronomy Club V-Pres. (2, 3, 4), Miniversity (2),  
I.E.E.E. (2, 3, 4).



Robert Lytkowski



Joseph Mastropolo



Edwin Mendez



Mansor Minaian



Raymond Opthof



Sunita Patel



Maurice Peralta



Carlos Pereira



**Robert Lytkowski**  
I.E.E.E.

Sayreville, N.J.

**Joseph Mastropolo** Lodi, N.J.  
I.E.E.E. (1, 2, 3, 4), Pres. (4), V-Pres. (3), Omicron  
Delta Kappa Sec. (3, 4), E.E. Senator (3, 4), PULSE,  
IMPULSE Editor-in-Chief (3, 4), Miniversity (2, 3, 4).

**Edwin Mendez** Irvington, N.J.  
I.E.E.E. (4), Radio Club (4), Wrestling Team (1).

**Mansor Minaian** South Orange, N.J.

**Raymond Opthof** Paramus, N.J.  
I.E.E.E. (3, 4)

**Sunita Patel** Jersey City, N.J.  
I.E.E.E. (4), I.S.A. (2, 3, 4), S.W.E. (4), Dean's List (3).

**Maurice Peralta** Paterson, N.J.  
I.E.E.E., Pistol Team (2, 3, 4), Rifle Team (4).

**Carlos Pereira** Newark, N.J.  
I.E.E.E. (3, 4), I.S.A. (4), N.J.I.T. Cabinet (2), Senate (3,  
4), P.S.A. (2, 3, 4), Soccer (1, 2, 3, 4), Senator-of-the-  
Year Award (2, 3).

**Michael Pergola** Newark, N.J.  
Floor Hockey (2, 3, 4), Director (3), Softball (3).

**Patrick Perna** Maplewood, N.J.  
I.E.E.E. (3, 4).

**William Pickering** New Brunswick, N.J.  
I.E.E.E. (3, 4), NUCLEUS (1).

**Richard Pieciak** Garfield, N.J.  
I.E.E.E., Volleyball (2, 3, 4).

**Percy Pinto** Irvington, N.J.  
O.L.A. (2, 3, 4), Soccer, Softball (3, 4).

**James Root** Madison, N.J.

**Javier Sanchez** Bloomfield, N.J.  
I.E.E.E., Volleyball.

**Steven Schwebel** Belleville, N.J.  
I.E.E.E. (4), Tau Beta Pi (3, 4), Eta Kappa Nu.



Michael Pergola



Patrick Perna



William Pickering



Richard Pieciak



Percy Pinto



James Root



Javier Sanchez



Steven Schwebel





John Scopino



Richard Seminarara



Daniel Smith



Michael Smith



Fredric Solomon



Isa Suqi



Michael Svecz



David Tarnowski

**John Scopino** Cranford, N.J.

**Richard Seminarara** Raritan, N.J.  
Floor Hockey (2, 3, 4), Volleyball (1, 2), Softball (1, 2),  
Indoor Soccer (2).

**Daniel Smith** Waldwick, N.J.  
I.E.E.E., Amature Radio Club, Softball, Soccer, Tennis  
(1, 2, 3).

**Michael Smith** East Hanover, N.J.  
I.E.E.E., Eta Kappa Nu, Senior Class Treasurer, Vector  
Sports Editor, Society of Collegiate Journalists, Foot-  
ball, Floor Hockey, Varsity Baseball (1, 2, 3, 4).

**Fredric Solomon** West Orange, N.J.  
I.E.E.E. (3, 4), Tau Beta Pi (3, 4), Eta Kappa Nu (3, 4).

**Isa Suqi** North Bergen, N.J.  
I.E.E.E., Football, Soccer, Volleyball, Hockey, Softball,  
Basketball.

**Michael Svecz** Pennsville, N.J.  
Alpha Phi Delta, I.F.C. Representative.

**David Tamowski** Morganville, N.J.  
I.E.E.E. (2, 3, 4), I.S.A. (3, 4), Assoc. of Co-Op Educa-  
tion Students Co-Chairman (3), Chairman (4).



Bart Voyce



John Wehner



**Bart Voyce**  
E.I.E.S. (2, 3, 4).

Newark, N.J.

**John Wehner**  
Ambassadors (2, 3, 4).

Wyckoff, N.J.

**Henry Wojtunik**  
I.E.E.E. (4), Iota Kappa Phi (2, 3, 4), WJTB (2), Basketball (2).

Newark, N.J.

**Kwok Wong**  
I.S.A., I.E.E.E., C.S.A. (1, 2, 3, 4), Soccer (2, 3), Basketball (3).

North Bergen, N.J.

**Mehdi Zarrabi**

South Orange, N.J.



Henry Wojtunik



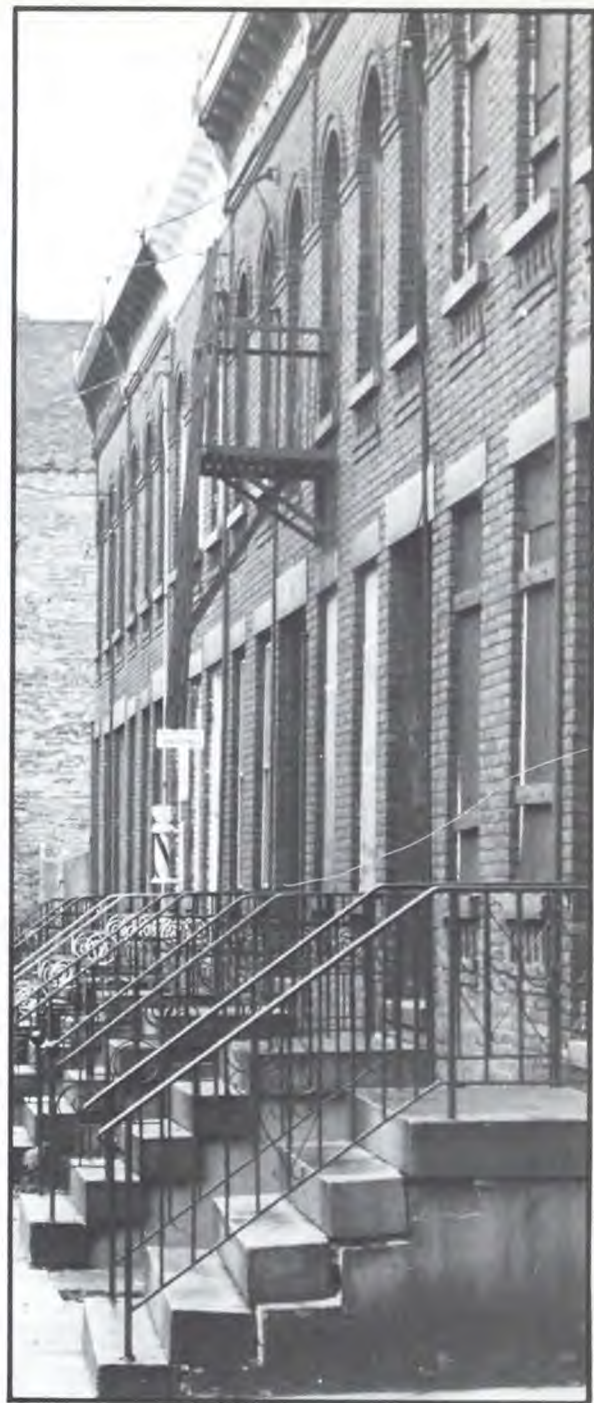
Kwok Wong



Mehdi Zarrabi







# Engineering Technology

During the last decade there has been a strong trend toward further education in engineering technology and this has led to the establishment of the Bachelor's programs in technology. A new occupational identity, the technologist, has come into being.

The technologist has a practical approach to the solution of everyday problems and works closely with the technician and the engineer or scientist as an important member of the engineering-scientific team.



Bruce Ahr



Angelo Ascione



Matthew Bigley



Keith Bird



Bukar Biu



Scott Bollman



Michael Carbonare



Wayne Carey

**Bruce Ahr**

Dunellen, N.J.

**Angelo Ascione**

Perth Amboy, N.J.

A.S.Q.C. (1, 2, 3, 4), A.S.M.E. (1, 2, 3, 4), Ski Club (1, 2, 3, 4).

**Matthew Bigley**

Nutley, N.J.

**Keith Bird**

Riverdale, N.J.

A.S.M.E. (3, 4), S.E.T. Secretary (3, 4).

**Bukar Biu**

Newark, N.J.

I.E.E.E., Soccer, Photography.

**Scott Bollman**

Middlesex, N.J.

S.S.C.C. (3), Secretary (4).

**Michael Carbonare**

Pequannock, N.J.

S.M.E. (2), S.E.T. (1).

**Wayne Carey**

Boonton, N.J.



**Kevin Caruso**  
S.S.C.C., Ski Club.

N. Plainfield, N.J.

**Edward Carr**

Highbridge, N.J.

**James Chin**  
A.S.M.E. (3, 4), S.E.T. (4).

Hazelet, N.J.

**Ran Chot**

Newark, N.J.

**William Davis**  
A.N.S. (3, 4), Karate Club Instructor, Engineering Science Rep. (3, 4).

Colonia, N.J.

**Regina DeLaney**  
S.E.T. treasurer (3), Vice-President (4), S.W.E. (4).

Hillside, N.J.

**Richard James Donadio**  
I.E.E.E. (3, 4), Honors List (3, 4).

Pompton Pl., N.J.

**Daniel Dowell**

Howell, N.J.



Kevin Caruso



Edward Carr



James Chin



Ran Chot



William Davis



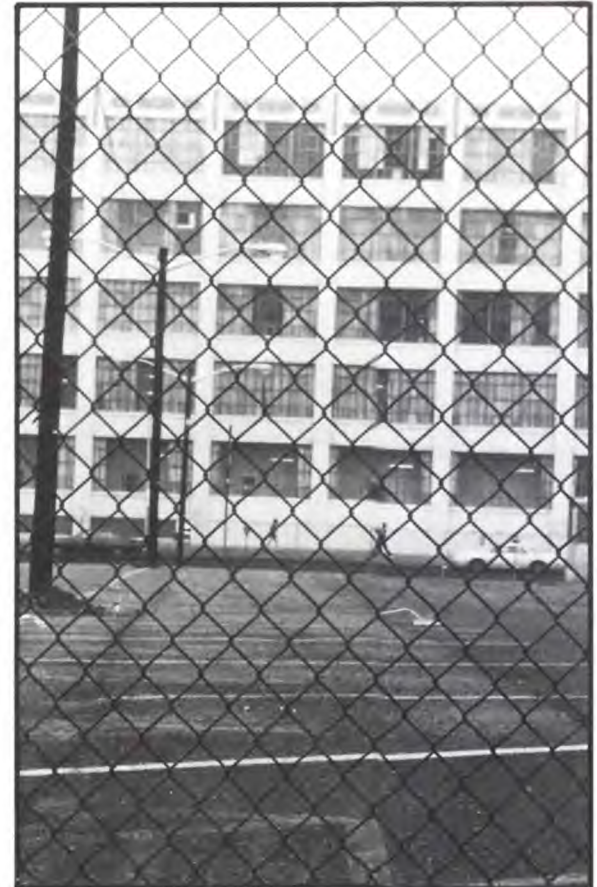
Regina DeLaney



Richard Donadio



Daniel Dowell





Joseph Durcanin



Anival Erazo



Allen Fossett



William Griffith



Rod Haddad



Hossein Kazemi



Sylvester Kelsey



Joseph Koehler

**Joseph Durcanin** Trenton, N.J.  
A.S.M.E. (3, 4).

**Anival Erazo** South Orange, N.J.

**Allen Fossett** Livingston, N.J.

**William Griffith** Basking Ridge, N.J.  
A.N.S. (3, 4), Senate (1).

**Rod Haddad** Cranford, N.J.  
I.E.E.E., Tau Epsilon Phi.

**Hossein Kazemi** Newark, N.J.

**Sylvester Kelsey** Trenton, N.J.  
S.E.T. (1), A.S.M.E. (1).

**Joseph Koehler Jr.** Rahway, N.J.  
S.M.E. (4), S.E.T. (4).

**Robert Loftus** Clifton, N.J.  
S.M.E. (3, 4), S.E.T. (3, 4), Senate Rep. Technology (4).

**Raymond Leston**

**Shahryr Mahyar** Nutley, N.J.  
S.C.C.E., Soccer Captain.

**Shyam Mankikar** West Orange, N.J.  
A.C.M., Tau Beta Pi, Dean's List (3).

**David Maxwell** Toms River, N.J.  
S.S.C.C. (3, 4), Phi Theta Kappa (2), Pi Kappa Delta, Vector Staff Artist, Alph Sigma Mu (3, 4), Collegiate Forensic Assoc. (3, 4), Forensic Club V-Pres. (3), Pres. (4), Office of Veteran Affairs (3, 4).

**Michael Metta** Clifton, N.J.

**Edward Mussi** Union City, N.J.  
S.M.E. (2), S.E.T. (1), Bowling Team (3).

**Theodore Paliwoda** Bayonne, N.J.  
Senate Concert Comm. Chairman (3), S.A.C. (3, 4), Mixer Comm. Chairman (4), Ski Race Director (4), Ski Team Captain (3, 4), M.V.P. Ski Team 1982.



Robert Loftus



Raymond Leston



Shahryr Mahyar



Shyam Mankikar



David Maxwell



Michael Metta



Edward Mussi



Theodore Paliwoda





Craig Pastore



Joseph Peters



Andre Petric



James Piernot



John Prizy



James Prunesti



Richard Rudnicki



Mohammad-Reza Samadi

**Craig Pastore** New Providence, N.J.

**Joseph Peters Jr.** Bernardsville, N.J.  
A.S.M.E. (3, 4), S.E.T. Treasurer (3, 4), Turkey Trot  
2nd Place (3).

**Andre Petric** Mahwah, N.J.  
A.S.M.E., A.S.H.R.A.E., Varsity Basketball (1, 2).

**James Piernot** Dover, N.J.  
A.S.M.E., Senate, S.E.T.

**John Prizy Jr.** Thiells, N.Y.  
S.M.E. (3, 4), S.E.T. (3, 4), Karate (1, 2, 3, 4), Hockey  
(1, 2, 3, 4), Basketball (1), Volleyball (3, 4).

**James Prunesti** Florham Park, N.J.  
S.M.E. (3) V-Pres. (4), S.E.T. (3) Pres. (4).

**Richard Rudnicki** Colonia, N.J.  
S.M.E., S.E.T., A.I.I.E. (3, 4), Senate (4), Hockey (4).

**Mohammad-Reza Samadi** Newark, N.J.



Eugene Sforza



Ralph Small



Thomas Tracey



David Venanzi



Alfred Weiss



**Eugene Sforza**  
S.M.E., S.E.T. (3, 4).

Rahway, N.J.

**Ralph Small**  
S.E.T., S.M.E. (3, 4).

Lincoln Park, N.J.

**Thomas Tracey**  
S.M.E. (3) Treasurer (4), S.E.T. (3, 4).

Bloomingtondale, N.J.

**David Venanzi**

Trenton, N.J.

**Alfred Weiss**

Dunellen, N.J.





# Industrial/Manufacturing Engineering

The Industrial Engineering curriculum prepares engineers to design, improve, and install and operate integrated systems of people, materials, and facilities needed by industry, commerce, and society. Industrial Engineers solve the problems which arise in the management of enterprises by applying the principles of engineering science, product and process design, work analysis, human factors, and management science. Industrial Engineering leads to a wide variety of professional opportunities in industrial, commercial, and public service enterprises and to graduate study in *Industrial Engineering*, *Business Administration*, *Law*, and other fields.



Nicholas Borg



Vincent Carini



Lewis Chirlin



Frank Corso



Frank DiBiano



Horatio Edmondson



William Foran



Timothy Guydan

**Nicholas Borg** Washington Township, N.J.

**Vincent Carini** Lyndhurst, N.J.

**Lewis S. Chirlin** Passaic, N.J.  
A.I.E.

**Frank Corso** Maywood, N.J.

**Frank DiBiano** Belleville, N.J.  
A.I.E.

**Horatio O'Brien Edmondson** Newark, N.J.  
A.I.E., CARIBSO, Intramurals — soccer.

**William Foran** Paramus, N.J.

**Timothy Joseph Guydan** Linden, N.J.  
A.I.E. (3, 4), Intramurals — volleyball (3, 4), Football (4), Softball (2, 3), Sports — Varsity Basketball (1, 2, 3, 4).



**Whitfield Courtney Harrison** Hoboken, N.J.  
American Society of Industrial Engineers, Intramurals — Basketball.

**Hershel A. Howell Jr.** Edison, N.J.  
A.I.I.E. (3, 4), S.M.E. (3, 4), Alpha Pi Mu (4), Secretary (4).

**Chris John Lipuma** Dumont, N.J.  
A.I.I.E., S.A.M., Intramurals — football.

**Richard John Mannino** Edison, N.J.  
A.I.I.E., Sports — Varsity Baseball.

**Panching Moy** Orange, N.J.

**Nancyann Nicholson** Clark, N.J.  
A.I.I.E. (3, 4), Intramurals — Volleyball.

**Daniel Carlton Riggs** Suffern, N.Y.  
Institute of Industrial Engineers (4), Alpha Pi Mu Honor Society (3, 4).

**Robert John Yanoso** Perth Amboy, N.J.

**Pete L. DeRiso** Mahwah, N.J.  
Society of Manufacturing Engineers, Society of Engineering Technologists, Society of Manufacturing Engineers Scholarship, Dean's List.

**David Harris** South Orange, N.J.  
Sigma Pi Fraternity Secretary (2, 3, 4), The Vector Managing Editor, Business Manager (2, 3, 4), Society of Collegiate Journalists (4), Society of Manufacturing Engineers (4), I.F.C. Representative (3, 4), Senior Class Council (4), Dear Harry (3).

**Hasan M. Jafri** Newark, N.J.  
A.I.I.E. (3, 4), S.M.E. (3, 4), S.E.T. (3, 4), Student Senate (3), Senator, The Vector (3, 4), Apothegon (3, 4), A.P.O. (3), Student Ambassador Club (3, 4), Forensic Club (4), Wargammers Club (4), S.A.C. (4), Miniversity (3), Tennis (4).



Whitfield Harrison



Hershel Howell



Chris Lipuma



Richard Mannino



Panching Moy



Nancyann Nicholson



Daniel Riggs



Robert Yanoso



Pete DeRiso



David Harris



Hasan Jafri



# Mechanical Engineering

Mechanical Engineering is concerned with the design, development, manufacture, and operation of a wide variety of energy and dynamic systems. Mechanical engineers employ their knowledge of materials, systems design and control, and production methods to develop complex systems such as aircraft, power plants, and combustion engines, to meet design constraints as well as safety and environmental protection requirements. Mechanical engineers are also involved in developing alternate energy sources, including fossil fuel, geothermal, wind, tide, solar, hydroelectric and nuclear power generation systems, in response to the world-wide energy shortage.



Cecil Andalcio



Eric Andersen



Kirit Amin



Anthony Azzizzo



Steven Barrieres



Steven Bates



David Berkowitz



Mark Buza

**Cecil Andalcio** Summit, N.J.  
CARIBSO, Track and Field, Soccer (1, 2, 3, 4).

**Eric Andersen** Leonia, N.J.  
A.S.M.E., A.S.H.R.A.E.

**Kirit Amin** Wallington, N.J.  
A.S.M.E., Pi Tau Sigma, Soccer, Volleyball, Dean's List  
(2, 3, 4, 5, 6).

**Antonio Azzizzo** Lodi, N.J.  
A.S.M.E., Nucleus Photographer (2, 3), Vector Re-  
porter (4), Sigma Pi Fraternity (2, 3, 4), Octobertech  
(2, 3), Alumni Phonathon (2, 3, 4), Miniversity (2),  
Soccer (1), Softball (2, 3, 4), Football (2), Dean's List  
(1, 2, 3, 4).

**Steven Barrieres** Morris Plains, N.J.

**Steven Bates** Newark, N.J.

**David Berkowitz** Cranford, N.J.  
A.S.M.E., A.F.R.O.T.C.

**Mark Buza** Metuchen, N.J.

**Wai Sun Chan** Newark, N.J.  
 A.S.M.E. (2, 3, 4), S.M.E. (3, 4), I.S.A. (4), A.I.Ch.E. (1),  
 Senate Rep. (3), Table Tennis Club (1, 2, 3, 4), C.S.A.  
 V-Pres. Energy Audit Group Leader.

**Jose Calcao** Newark, N.J.  
 A.S.M.E. (1), Phi Eta Sigma (1, 2, 3), Soccer (3, 4),  
 Outstanding Student Participation Award.

**Yong Choi** West New York, N.J.

**Bruce Cirinelli** FairLawn, N.J.  
 Softball (3), A.S.M.E. (2, 3, 4), Peer Counselor (3, 4).

**Jeffrey Clarke** Watchung, N.J.  
 A.S.M.E., Alpha Phi Delta (2), Treasurer (3, 4), The 'C'  
 Club (1, 2, 3, 4), Football, Volleyball, Softball, Bowl-  
 ing.

**Gerard Cocuzza** Maplewood, N.J.

**Robert Cohen**



Wai Sun Chan



Jose Calcao



Yong Choi



Bruce Cirinelli



Jeffrey Clarke



Gerard Cocuzza



Robert Cohen



Salvator D'Angelo





Stephan DeFonzo



John Ditzig



George Doudoukjian



Brian Donovan



Farid El-Kheshen



Thomas Fabrizio



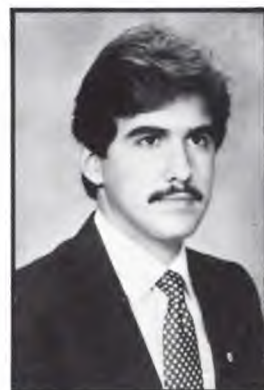
Essam Fam



Dayan Fong



Brian Fuchs



Israel Gonzalez

**Stephan DeFonzo** Summit, N.J.  
A.S.M.E. (2, 3, 4), Football, Softball.

**John Ditzig** Clifton, N.J.  
A.S.M.E. (3, 4).

**George Doudoukjian** Belford, N.J.  
S.M.E., Pi Tau Sigma.

**Brian Donovan** Newark, N.J.  
Phi Lambda Sigma Fraternity, I.F.C. Treasurer (4),  
M.E. Senate Rep. (3), Swimming (1, 2), Softball (3).

**Farid El-Kheshen** Paramus, N.J.  
Dean's List, Volleyball, Soccer, Table Tennis, Weight-  
lifting, Volleyball, Captain (3, 4).

**Thomas Fabrizio** South Orange, N.J.  
Basketball, Barbell Club, Hockey, Softball, A.S.M.E.

**Essam Fam** Jersey City, N.J.  
A.S.M.E., Pi Tau Sigma.

**Dayan Fong** Jersey City, N.J.  
A.S.M.E., Tau Beta Pi, C.S.A.

**Brian Fuchs** Whitehouse Station, N.J.  
Senate (2), Fencing (1, 2, 3, 4), Captain (4).

**Israel Gonzalez** West New York, N.J.  
A.S.M.E. (2, 3, 4), Barbell Club (3, 4).

**John Gumbars** Bloomfield, N.J.  
A.S.M.E. (3, 4), Softball (3, 4).

**John Gettings** Ramsey, N.J.  
C.O.O.P., A.S.M.E.

**James Glenn III** West Caldwell, N.J.

**Andreas Georghioli** Newark, N.J.  
A.S.M.E. (3, 4), Dean's List (3).

**Victorino Goncalve** Kearny, N.J.  
A.S.M.E. (4), Portugese Club, O.L.A. Soccer (1, 2, 3, 4), Volleyball (1, 2, 3, 4).

**Francisco Goncalves Jr.** Kearny, N.J.  
A.S.M.E., Portugese Club, O.L.A., Volleyball (1, 2, 3, 4), Soccer (1, 2, 3, 4).

**Thomas Hartman** Paramus, N.J.  
A.S.M.E. (2, 3, 4), A.N.S. (3, 4).

**William Hanswirth** North Haledon, N.J.  
A.S.M.E. (4), Gymnastics (1, 2, 3, 4), WJTB (2, 3), Ski Club (4), Miniversity (2, 4), Century Club (3, 4).



John Gumbars



John Gettings



James Glenn



Andreas Georghioli



Victorino Goncalve



Francisco Goncalves



Thomas Hartman



William Hanswirth



Peter Hofmann



Scott Holloman



Basilios Ierokomos



Dana Jacobson



Gregory Kapoian



Robert Kerekes



Hyon Kim



Edward Keve

**Peter Hofmann** Hasbrouck Hgts., N.J.  
A.S.M.E. (2, 3, 4), Pi Tau Sigma (3, 4), Softball (3),  
Century Club (3, 4), Ingersoll-Rand Scholarship.

**Scott Holloman** Hoboken, N.J.  
Christian Fellowship.

**Basilios Ierokomos** Long Valley, N.J.

**Dana Jacobson** Parsippany, N.J.  
Outing Club (1), Hockey Team (2, 3, 4), Captain (3,  
4), Golf Team (3, 4), A.S.M.E. (4).

**Gregory Kapoian** Paramus, N.J.

**Robert Kerekes** Wayne, N.J.  
A.S.M.E., A.N.S.

**Hyon Kim** Ocean, N.J.  
A.S.M.E., Korean Student Assoc., Soccer, Dean's  
List.

**Edward Keve** Union, N.J.  
A.S.M.E.

**Michael Kornas**  
A.S.M.E. (2, 3, 4), I.S.A. (3, 4).

Colonia, N.J.

**Richard Kiray**  
A.S.M.E. (2, 3, 4), Softball.

Clark, N.J.

**Merrill King**  
Audio Club (2, 3).

Newark, N.J.

**William Kaiser**  
A.S.M.E. (2, 3, 4), Pi Tau Sigma (3, 4), V-Pres. (4).

Ridgewood, N.J.

**Christian Keller**

Irvington, N.J.

**Robert Kasiski**  
A.S.M.E., Ice Hockey (1, 2, 3).

Whippany, N.J.

**Glenn Knudsen**  
Basketball, Softball, Floor Hockey, Football, Derf,  
A.S.M.E.

E. Hanover, N.J.

**John Lubosco**

Totowa, N.J.



Michael Kornas



Richard Kiray



Merrill King



William Kaiser



Christian Keller



Robert Kasiski



Glenn Knudsen



John Lubosco





Michael Lubas



Kevin McCabe



Edward Monkemeier



John Moody



Kevin McDonald



Gary Miller



Michael Mania



Daniel Madden

**Michael J. Lubas** Cranford, N.J.  
A.S.M.E., National Forensic Honor Society, Forensic Club, Association of Cooperative Education Students, Fencing Team.

**Kevin B. McCabe** Wayne, N.J.

**Edward A. Monkemeier** Florham Park, N.J.

**John Moody** Riverdale, N.J.

**Kevin McDonald** Newark, N.J.  
Alpha Phi Delta Fraternity.

**Gary Henry Miller** Scotch Plains, N.J.

**Michael John Mania** Paterson, N.J.  
A.S.M.E. (3), Intramurals — Softball (2), Ingersoll-Rand Scholarship.

**Daniel A. Madden** Clark, N.J.  
A.S.M.E., Pi Tau Sigma Honor Society (3, 4).

**James Noonan** Newark, N.J.  
Pi Kappa Phi Fraternity, Intramurals – Softball, Golf.



James Noonan

**Omar I. Osorio** Prospect Park, N.J.  
A.S.M.E., Dean's List (2, 3).



Omar Osorio



**Robert T. Palmieri** Paramus, N.J.



Robert Palmieri

**Miguel Manuel Pereiras** Union City, N.J.  
A.S.M.E. (2, 3, 4), Judo Club (1, 2, 3, 4), Sports – Judo (1, 2, 3).



Miguel Pereiras

**Paul A. Papay** Montvale, N.J.  
A.S.M.E., Phi Lambda Sigma Fraternity, President, Vice-President, Secretary, Pi Tau Sigma – National M.E. Honorary Fraternity, Secretary, N.J.I.T. Outing Club.



Paul Papay

**Upendra V. Patel** North Bergen, N.J.  
A.S.M.E.



Upendra Patel

**Joseph Carmine Perri** Brooklyn, N.Y.  
A.S.M.E. (3, 4), Senior Class secretary (4), Derf, Intramurals – Basketball, Hockey, Softball, Volleyball, Sports – Tennis (1, 2, 3, 4).



Joseph Perri

**Frank A. Perrotti** Roseland, N.J.  
Tau Epsilon Phi Fraternity, A.S.M.E., Intramurals – Wrestling Director (2, 3, 4), Sports – Wrestling (1, 2, 3, 4).



Frank Perrotti





Ida Perna



Anthony Pereira



Arthur Pizza



Paul Reinmann



John Reese



William Ragonese



David Ramoth



Roger Ramoth

**Ida Ann Perna** Orange, N.J.  
A.S.M.E., membership chairperson (3), Vice-President (4), Honor Societies — O.D.K. (3, 4), Pi Tau Sigma (4), Intramurals — Volleyball (1, 2), Bowling (1, 2).

**Anthony Pereira** Union, N.J.  
A.S.M.E. (2), Membership Chairman (3), Chairman (4), Barbell Club (4), Portuguese Student Association (2, 3), Miniversity (3, 4), A.S.M.E. North Jersey Section Outstanding Student Member Award (4).

**Arthur R. Pizza** Hackensack, N.J.

**Paul F. Reinmann** Wharton, N.J.  
A.S.M.E., Treasurer.

**John Reese** Nutley, N.J.  
Intramurals — Floor Hockey, Football, Softball, Basketball (1, 2, 3, 4), Derf.

**William Joseph Ragonese** West Caldwell, N.J.

**David Charles Ramoth** Carlstadt, N.J.

**Roger H. Ramoth** Carlstadt, N.J.

**Joseph Mark Sattler**  
A.S.M.E. (3).

Elmwood Park, N.J.

**Mansoor Viqar Sayyed**

Paterson, N.J.

**David E. Scott**

West Caldwell, N.J.

A.S.M.E., Resident Assistant (3, 4).

**Raymond T. Scott**

Point Pleasant, N.J.

**Robert William Schleck**

New Providence, N.J.

A.S.M.E. (1, 2, 3, 4), M.E. Senate Rep. (2, 3, 4), Miniversity (4), College Bowl (3, 4), Phi Kappa Sigma Fraternity, Ten Fathoms Club (2, 3, 4), Tau Pi Sigma – National Mechanical Engineering Honor Society – Initiate.

**Robert Paul Sblendorio**

Waldwick, N.J.

A.S.M.E. (3, 4, 5), Pi Tau Sigma Honor Society (3, 4, 5), President (5), Ski Team (5), Dean's List (1, 2, 3, 4, 5).

**Mark Stimler**

Moorestown, N.J.

A.S.M.E. (1, 2, 3, 4), Pi Tau Sigma Honor Society (4).

**Robert B. Strubel**

Yardley, Pa.



Joseph Sattler



Mansoor Sayyed



David Scott



Raymond Scott



Robert Schleck



Robert Sblendorio



Mark Stimler



Robert Strubel







Marc Tartaglia



Carol Ann Taylor



**Marc Salvator Tartaglia Jr.** East Hanover, N.J.  
A.S.M.E., Dean's List, Senior Class Council Member,  
Derf, T.K.P., Hockey, Softball, Society of Collegiate  
Journalists.

**Carolann Taylor** N. Arlington, N.J.



Edward Tengwall



Joseph Tizio

**Edward Joseph Tengwall** Glen Ridge, N.J.  
A.S.M.E. (3, 4), Dean's List (1, 2, 3, 4), Derf (3, 4),  
Intramurals – Floor Hockey Champions (1), Soft-  
ball, Basketball, Floor Hockey (1, 2, 3, 4), Flag Foot-  
ball (2, 3, 4), Sports – Fencing (2).

**Joseph John Tizio** Hillsdale, N.J.  
"C" Club, Tau Lambda Chi Fraternity.

**Richard Joseph Tobie** Bloomfield, N.J.  
A.S.M.E. (2, 3, 4), American Nuclear Society (3, 4),  
Honor Societies – Tau Beta Pi (2, 3, 4), Nu Sigma (3,  
4), Pi Tau Sigma (2, 3, 4), New Classics Society, Presi-  
dent (4).

**Roger John Topping** Elmwood Park, N.J.  
A.S.M.E. (3, 4), Tau Beta Pi (4).



Richard Tobie



Roger Topping



Wirat Treesaksrisakooz



Kenneth Tullio

**Wirat Treesaksrisakooz** Newark, N.J.

**Kenneth Michael Tullio** Lyndhurst, N.J.

**Mark Peter Usher**  
A.S.M.E. (3, 4).

Union, N.J.



Mark Usher

**Robert Van Praet**  
A.S.M.E. (4), Karate Club (1, 2, 3), Weightlifting Club (4).

Green Pond, N.J.



Robert Van Praet

**John Anthony Viotto**  
A.S.M.E., Iota Kappa Phi Fraternity, House Chairman (2, 3), President (4). Intramurals — I.F.C. — Football, Basketball, Softball (1, 2, 3, 4).

Piscataway, N.J.



John Viotto

**Victor Joseph Virginio**  
A.S.M.E. (3, 4), Weightlifting Club (3, 4), Intramurals (4).

Rahway, N.J.



Victor Virginio

**Richard Paul Weinman**  
A.S.M.E. (3, 4), Honor Societies — Phi Eta Sigma (1, 2, 3, 4), Tau Beta Pi (3, 4), Pi Tau Sigma (3, 4), Karate Club (2), Century Club (4).

Sayreville, N.J.



Richard Weinman

**Roy Frank Werber**  
Junior Class President, S.M.E., President, Omicron Delta Kappa, Student Senate, A.S.M.E., Pi Tau Sigma.

North Plainfield, N.J.



Roy Werber





Douglas Witkowski



Steven Woloszyn



Glenn Yanni



Robert Zanowicz



John Zarra



Paul Kaufmann

**Douglas G. Witkowski** North Brunswick, N.J.  
A.S.M.E. (3, 4), Student Activities Council (4).

**Steven Woloszyn** Lyndhurst, N.J.

**Glenn Joseph Yanni** Haledon, N.J.  
Intramurals — Basketball (3, 4).

**Robert T. Zanowicz** Scotch Plains, N.J.  
A.S.M.E. (2, 3, 4), Organization of Cooperative Education Students (4).

**John G. Zarra** East Orange, N.J.  
A.S.M.E., Intramurals — Football, Softball (1, 2, 3).

**Paul Kaufmann** Bloomfield, N.J.





# *STIRRING PHENOMENON*

Chile holds popular elections for the first time in 5 years.  
 Sen. Hubert Humphrey died of cancer Jan. 13.  
 Soviet nuclear satellite breaks up over Canada.  
 A nor'easter brings 50" of snow to the northeast.  
 Muhammad Ali loses his title to Leon Spinks.  
 A bomb explodes on the Alaskan pipeline, oil spills into the tundra.  
 The U.S. dollar reaches a record low.  
 Israel launches a major attack on Lebanon.  
 Aldo Moro, former prime minister of Italy is kidnapped.  
 An American supertanker breaks up near Brest, France.

Three F.B.I. officials are indicted for approving a plan of illegal break-ins and searches.  
 U.S. Senate ratifies a treaty to turn over the Panama Canal in 1999 to Panama.  
 Rubens masterpiece 'The Three Graces' is stolen.  
 Aldo Moro is found slain on May 10.  
 The body of Charlie Chaplin is returned to its grave.  
 Sun Day is observed across the U.S. in support of Solar Energy.  
 Legalized Casino gambling begins in Atlantic City, N.J.  
 The Montreal Canadians win the Stanley Cup.  
 A bomb explodes in the Palace of Versailles, 3 rooms are destroyed.

Fighting erupts in Beirut, 200 persons are killed 500 are wounded.  
 The first 'test tube' baby is born in England.  
 Anatoly Shcharansky Jewish activist in the U.S.S.R. is sentenced to 13 years in prison.  
 The first transatlantic balloon crossing is made by 3 American businessmen.  
 N.Y.C. loses its 3 major newspapers during a pressmans strike starting Aug. 9.  
 The Vatican selects Pope John Paul I.  
 Sadat and Begin start peace talks.  
 150 persons are killed over San Diego in an airline crash.  
 Pope John Paul I dies after only 33 days as pontiff.

Pope Paul II is elected, the first non-Italian pope in 456 years.  
 In Nov. both Norman Rockwell and Margaret Mead died.  
 Carter announces several measures to bolster the dollar, it works.  
 900 members of the Peoples Temple commit suicide.  
 San Francisco Mayor and city supervisor are assassinated inside city hall.  
 Golda Meir dies in Jerusalem at age 80.  
 China and the U.S. establish diplomatic relations.  
 Pioneer Venus 2 satellite enters the Venitian atmosphere.  
 OPEC announces a 14.5% increase in crude oil prices.

Elevator stuffing is the fad of the year. Administration deems it as destructive. Thirty or more persons have been seen inside at one time.

New NJIT dorm is under construction.

Norman raids the campus.



Physics textbook written by 2 NJIT faculty members is under protest by students for its lack of clarity, excessive errors, and various other problems.

Peter James, former U.S. spy who threatened to expose governmental corruption, lectures to the NJIT community.

Tuition hike is inevitable; Students must pay 30% of their education costs, up from 17%.



Newark Mayor Kenneth Gibson, class of '62, visits NJIT during October-tech.

The re-institution of final exams are looked into. An answer to the question 'Why have them if we dropped them' has not been found.



NJIT theater company puts on Woody Allens, 'Play it again Sam'.

Controversial Iron sculptures by Troy West, faculty member at NJSoA, are put in place around campus.

Shah of Iran leaves his country for an extended vacation.  
 Pittsburg Steelers defeat Dallas Cowboys 35-31 and win Super Bowl XIII.  
 Khomeini returns from exile to Iran.  
 Voyager I relays data on Jupiter.  
 Egypt and Isreal sign a peace treaty at the White House.  
 A nuclear accident occurs near Harrisburg, Pa. when a cooling tower system malfunctions. A meltdown was a possibility.  
 The British Labor government falls for the first time in 55 years.

President Carter decontrols oil prices.  
 Margaret Thatcher becomes the first women in Great Britain to become Prime Minister.  
 U.S. and U.S.S.R. complete SALT II negotiations.  
 A DC 10 aircraft crashes shortly after take-off in Chicago. All 274 aboard die, it is Americas worst air disaster.  
 Pope John Paul II visits his native Poland for the first time since his election as Pope. It is the first time a pope has visited a communist country.

Skylab returns to earth the hard way. Enters earths orbit for the last time since 1973 and disintegrates over the Indian Ocean.  
 FAA lifts ban on all DC 10 flights since the Chicago disaster.  
 Khomeini bans all music from Iran claiming it corrupts youths.  
 Chrysler faces financial crisis after losing 209 million in 2nd quarter of 1979.  
 Andrew Young resigns as U.S. Ambassador to the U.N. after meeting with PLO representatives.  
 Lord Mountbatten, legendary WW II war hero is killed by a bomb planted on his boat.

Production of the SST Concorde is terminated, only 16 were ever built.  
 Pittsburg Pirates defeat Baltimore Orioles in 7 games to win the World Series.  
 Shah of Iran arrives in the U.S. for a gall bladder operation.  
 Iranian extreamists seize the U.S. embassy in Tehran and take 90 hostages, 65 are U.S. citizens.  
 Iran demands the return of the Shah to free the hostages.  
 U.N. demands the release of the hostages in Iran.  
 World court condemns Iran for its actions.  
 Gold sets an all time record of \$524 per ounce.



NJIT's first concert in five years features the Goodrats and Magnet.

Due to the rising costs of paper products, food and soda, cafeteria prices are once again on the rise. Mr. Cohen states that vandalism and breakage cost the cafeteria (the students) \$6,000 per year.



An example of the new iron sculpture by Troy West.

Parking problems continue to plague commuters.

The dorm is scheduled to open September 1 to house the first 210 on campus students. While the gossipers discuss the change in color schemes from primary to earth tone accent colors, rules and regulations get drawn up.

An 8% tuition hike is in store for students this year. Students will face a \$36 rise to \$483. A lighter note, an increase on the ceiling of parents income for financial aid students is possible.

The Garden State Arts Center signs a contract with NJIT to hold graduation ceremonies. In past years, the institute has held commencement exercises on Wasson Field. But the resodding that must be done has forced NJIT to find an alternative site.

U.S. stops delivery of grain to U.S.S.R. as action against their invasion of Afghanistan.  
 U.S. tries to impose economic sanctions against Iran.  
 William O. Douglas, associate Supreme Court justice from 1939 to 1975 dies at age 81.  
 33 persons are killed and 89 injured during a riot at a New Mexico prison.  
 FBI Abscam investigation hits the papers, several public officials are involved.  
 The XIII Winter Olympic games are held in Lake Placid, N.Y. U.S. hockey team wins gold medal against the Russian team.  
 Bani-Sadr elected president of Iran.  
 U.N. commission fails to negotiate the release of the hostages.



Harry Chapin gives an outstanding concert in the gym. His first and very unfortunately last at NJIT.

Final Exams are re-instituted at NJIT; The question 'why' still remains.

The Prime lending rate at U.S. banks reaches 20%.  
 U.S. enters a period of recession.  
 A rescue mission of the hostages is aborted after engine trouble on a helicopter.  
 Cuban refugees riot in Fl.  
 Skyway bridge in Fl. gives way after being hit by a freighter, 35 die.  
 Mount St. Helens erupts and destroys a 122 sq. mi. area.  
 Love Canal is in a state of emergency, a chemical dump site, it has finally harmed human lives.  
 Japan's Prime Minister, Ohira dies in Tokyo at age 70.  
 N.Y. Islanders win their first Stanley Cup.



Sanford Greenfield is appointed as Dean of the School of Architecture.

Jane Gasienica, former Dean of Women students, passed away on September 29.

Men born in 1960 and 1961 must register for military draft.  
 Bjorn Borg wins his 5th Wimbledon title.  
 After 250 days 1 hostage is released from Iran for medical reasons.  
 The deposed Shah of Iran dies in Cairo.  
 U.S. boycotts the XIII summer olympics because of U.S.S.R.'s invasion of Afghanistan.  
 Hurricane Allen caused at least 270 deaths in the Caribbean and Texas.  
 200,000 workers strike in Poland.  
 A Titan 2 nuclear missile silo is rocked by a fuel explosion. Debris is rocketed 500 ft. into the air.



Saul K. Fenster is inaugurated as the sixth president of NJIT on April 30.

NJIT's first dorm is dedicated by Dr. Fenster — Students move in and are pleased with it so far.

Thousands die in Algiers during a devastating earthquake.  
 Adolfo Perez Esquivel, a human rights activist wins the Nobel Peace Prize.  
 Reagan defeats Carter by a landslide.  
 Polish labor unions are registered and legal by the Polish Supreme Court.  
 Fire kills 84 in a Las Vegas hotel.  
 U.S. representatives are found guilty of Abscam charges.  
 John Lennon is shot and killed outside his New York City apartment.  
 Iran demands \$24 billion for the release of the hostages.  
 Alexander Haig is named secretary of state in the Reagan Cabinet. He formerly served under Nixon.



NJIT theater company presents 'You're a Good Man Charlie Brown'.

A new security force is put to work at NJIT. We now have police along with security guards.

NJIT's poet, laureat , Vector contributor, known for his illustrious poems, graduates.



52 American hostages held captive in Iran are freed after 444 days.

Ronald Reagan takes office of U.S. President at age 69.

Polish officials and Lech Walesa, Solidarity leader, agree on a 40 hour 5 day work week.

Private Robert Garwood is convicted of collaborating with the enemy while a POW in Vietnam.

Reagan states that the U.S. is facing "an economic calamity of the greatest proportions".

U.S. sends aid to El Salvador.

Reagan is shot in the chest outside the Washington Hilton Hotel. John Hinckley Jr. is arrested and booked for the assassination attempt.

Joe Louis, greatest heavyweight boxing champion, dies at age 66.

Space shuttle Columbia lands safely at Edwards Air Force Base. Japan voluntarily limits its auto exports to the U.S.

Irish hunger striker, Bobby Sands, dies in the Maze Prison. He seeks to be recognized as a political prisoner.

Pope John Paul II is shot and wounded in St. Peter's square.

A marine jet crashes on the deck of the Nimitz. 14 men die.

Israel and Egypt meet for the first time since Jan. 1980 to discuss peace talks.

Coal miners return to work after a 72 day strike.

A bomb explodes in Tehran and kills 72 Iranian politicians.

Israel bombs Lebanon, 300 persons are killed.

Two walkways in the Hyatt Regency Hotel in Kansas City collapse, 111 persons are killed.

Chrysler finally earned some money, the first time since 1978.

Prince Charles and Lady Diana marry.

FAA dismisses striking air traffic controllers.

Major League baseball returns to the scene after a 7 week strike.

U.S. shoots down two Libyan jets after an 'unprovoked' attack.

Voyager sweeps past Saturn transmitting pictures of its rings and moons.

Mark Chapman is convicted for murdering John Lennon.

President Anwar el-Sadat is killed during a commando attack.

250,000 West Germans demonstrate against the NATO plan. Sweden releases a Russian sub that ran aground in restricted waters.

Reagan calls on Russia to control the nuclear arms build-up.

Florio concedes defeat to Kean in the contested N.J. gubernatorial race.

Edward Koch is elected to a second term as N.Y.C. Mayor.

Soviet physicist and dissident Andrei Sakharov ends 17 day hunger strike as wife of his stepson is granted an emigration visa to the U.S.

U.S. Brig. General James Dozier is kidnapped in Italy.



NJIT celebrates its 100th anniversary. A new school logo commemorates the occasion. A year long series of lectures and events take place.

A Vector article, 'The Body Language of the NJIT Female' raise discontent and conflict through the female community at NJIT.

Gubernatorial roundtable between Kean and Florio is held here.

Franklin Entwisle, for whom the gym is named, died November 28, he was 91. He served NJIT from 1922 to 1966.

Dean Greenfield attempts to upgrade the School of Architecture's facilities by taking over the third floor of Colton Hall.

Vector attempts to clean up its act after many complaints of too much white space and missing articles. Editors admit to being sloppy.

State college enrollment is up by 2.5% over last year.

Edward Miller, faculty member since 1948, is appointed acting Dean of N.C.E.

October 16, two frat members were mugged at gun-point on High St.

October 19, another attempted mugging to a frat member is foiled, but he winds up in St. Michaels.

October 20, 87 fraternity members hold a conference with Mr. Cost to confront the assault problem.

Civilian watch program is started by the I.F.C. and Chief Upton.

November 11, a student is mugged and beaten two blocks from campus.

A finale for the centennial celebration is the May Homecoming Ball.

The Vector concludes one of its most confusing columns ever. The Young Niccorians. The column featured the trials and tribulations of Bwana and Animal through their pinball exploits, computer labs, and work experiences. As the originals finally hit the world, the rest of us watch the new Young Niccorians take their place in pinball alley.

An Air Florida plane crashes into the Potomac River, 74 die as 5 are heroically rescued. Villagers are mercilessly gunned down by a right-wing death squad in Guatemala. Argentina and Great Britain go to war over the rule of the Falkland Islands. 255 British and 746 Argentines are killed. ERA deadline for ratification passes, 3 states short of passage. Isrealies bomb West Beirut. 2,075 identically dressed Moonies wed simultaneously at Madison Square Garden. 700,000 anti nuke demonstrators gather in Central Park for concert rally.

Student security teams hit the streets, armed with a flashlight and a two way radio they fight for campus safety and the American way.

Dr. Roger Libby, nationally known sexologist, speaks on the 'Myths and Realities of Sexual Behavior'.

The old Newark Hall of Records is bought by NJIT, a future dorm is its projected use.

Senate looks into the final exam problem, a 2 day study period at the end of each semester is added.

Dr. Fenster speaks to the A.S.C.E. student chapter.

Solidarity supporters confront police in Gdansk on the 2nd anniversary of its formation. Vietnam war memorial is put in place in Washington, D.C. John Delorean, exotic car manufacturer, is arrested and charged with conspiring to sell Cocaine. The 1982 World Fair is held in Knoxville, Tenn. Cyanide-laced Tylenol capsules are blamed for the deaths of 7 people. John Belushi, comedian and song writer, is killed by an overdose of cocaine and heroine. Larry Walters donned a lawnchair and helium balloons to go for a flight.

After a 7 year absence, NJIT's cheerleaders are back, co-ed no less.

NJSoA establishes the Architects Association. Theoretically to bridge the gap between the students and the over-zealous administration.

NJIT phonathon hits new record of \$107,837. The money is to be used to support alumni and student programs and grants at NJIT.

Neale Bedrock defeats Jerry Deltufo for Senate President despite Deltufos' over-done ad campaign.

Leonid Brezhnev, ruler of Russia for 18 years, dies in Nov. at age 75. Yuri Andropov becomes the next General Secretary. John Hinckley Jr. is found not guilty by reason of insanity for the attempted assassination of Reagan. 11,500,000 people across the U.S. are jobless. The dollar becomes stronger against foreign currencies. The Cable T.V. industry grosses 4.6 billion, larger cities can receive up to 50 channels. Princess Grace of Monaco is killed in a car crash. Ingrid Bergman film star of the 40's dies of cancer.



The Ramones and David Johanson play at the gym.



Prince Andrews' girlfriend Koo Stark alarms the royal family by her unashful lifestyle. Video games make the big time. Video becomes an art form as demonstrated by Japanese artist Nam June Paik. Frank Zappa and daughter Moon Unit dazzle the music world with their song 'Valley Girl.' Henry Fonda, film star, dies at age 77, he made over 80 movies in his lifetime. Richard Pryor recovers from near fatal burns while freebasing. Reagans popularity starts to diminish as he reaches the mid point of his term.



Gloria Stienman, one of the country's best known and most critically acclaimed non-fiction writers speaks as part of the womens awareness week.

Renovations start on the new M.E. building. It will have the largest site-built solar energy system in the northeast. It has a projected fall '83 opening date.

The computer is the machine of the year. Personal home computers take over a variety of jobs.

The USSR stated that it would be willing to reduce hundreds of missiles aimed at western Europe if NATO reversed its decision to deploy cruise missiles there.

OPEC's failure to agree on quotas and management brings gas prices down at the pump.

In an effort to curb the unemployment rate, several states start job projects.

California gets hit with record rain fall levels, many homes are washed out.

Racial violence flares in Miami.



The blizzard of '83 buries Newark under 3 feet of snow. The pub finally gets renovated. . . . But the drinking age goes to 21.

Sigma Chi Epsilon Sorority is reinstated at NJIT.

The alumni center is renamed after Dr. A.J.J.A. Wilson, one of NJIT's most outstanding alumnus.

EPA officials test for dioxin, a poison, in Times Beach, MO. The Soviets still control Afghanistan and their revolt continues. A government panel re-examines MX missile basing and the entire missile triad.

Three Texaco gasoline storage tanks explode in Newark, the fire rages for 3 days, only one person dies.

Begin hastens settlement of the West Bank.

Chrysler builds a sports car to be introduced in 1984.

North American Man-Boy Love Association argues the right to have sex with underage youths. Gas price hit 99¢/gal.

Colleges start a nationwide crackdown on fraternities. Tired of the 'Animal House' routine.

Due to budget cuts the tuition once again gets a raise.



The Triplets and The Roustabouts play at a double-header SAC mixer.

Barney Clark, a retired Dentist receive an artificial heart. He lives 45 more days.

The death penalty is re-instated in many states.

Chairman Mao's widow, found guilty of 'towering and heinous' crimes, was sentenced to death but gets two years imprisonment instead.

American auto sales rise.

ABC airs an epic T.V. drama, Winds of War.

Nationwide independent truckers strike causes death and many injuries.

Space shuttle Challenger's liftoff is delayed as fuel problems plague the ship.

Marina Verola poses for Playboy and gets fired from her job with Dean Witter.

Student fees of \$170 are seriously questioned by the student body.

Once again finale exams and their role at NJIT is questioned.

Derf 'cartoonists' finally graduate.



Clark C. McClelland renomund pioneer in UFO's and extra-terrestials speaks at NJIT.

After 11 years, MASH signs off the air.

The EPA made deals with polluting companies for political reasons, head Gorsuch, is held in contempt.

Christian militiamen murder almost 800 Arabs in refugee camps.

U.S. - Israeli ties are strained as goals conflict.

Vanity Fair magazine hits the stands again after a 47 year absence.

PLO leader Arafat addresses delegates and guests at a recent gathering.

Interest rates dip, economists see a recovery on the way . . .

Reagan once again comes up with another better way to keep the middle-class student from attending college.

Sure glad we're graduating and don't have to put up with that guy any more . . .

. . . oh yeah, the real world . . .





### Pat Jordan and "5000 RIDES"

What really is the best way to get to Newark? Unless your mother drives you in everyday, or you choose to reside here, well then, you are forced to commute! Then you must endure the gamut of traffic tie-ups, parking lot fiasco, break-ins, rip-offs, vandalism and expense just to spend a few blissful hours at NJIT. Now public transportation is no bargain either. Rarely can you find a 5 o'clock seat on the bus. There you are every afternoon, lurching home like so many other sides of beef; just hanging there looking at the next guy's armpit. The cockroaches are the least offensive vermin you are likely to encounter. At the rate fares are rising, Freddie Laker might start a bus line here soon. Sooner or later you start to ask yourself . . . "just how do I get to school and back with the fewest hassels and a minimum of effort?"

Well, I ride to Newark most everyday for free! The trip takes a lot less time than public transportation and only slightly longer than if I drove myself. But, I don't have to scrape the wind shield, start the car, or hunt for a parking spot when I get here. Never have I had to deal with an arrogant security guard, never have I been ripped-off or vandalized. Most important of all; I have never helped finance Newark's most prolific form of architecture . . . the parking lot.

How do I do it?! I hitchhike! This often raises a lot of questions and accusations which can best be answered by looking at some numbers. To get to Newark I hitch on; a local street, a secondary road and a major highway. This order is reversed on the return trip. It generally takes one ride for each leg of the trip. We'll round it off to five rides a day, that's roughly one hundred rides a month. Now adding up a year at Seton Hall, a year at Montclair State and four years at NJIT and you come real close to 5,000 rides.

you come real close to 5,000 rides.

In all those rides I have never been robbed or threatened in any way. Never have I been sexually molested against my will, and the Police haven't bothered me at all. Sure when you are hitching you have to be careful, but not any more than if you were waiting for a bus or walking to your car alone.

Inclimate weather is always a bummer! No one likes to stand there with the wind blowing in one end and out the other and freezing everything in between. However no matter what the weather, I still wait less time for a ride than I would for a bus. Rotten weather tends to mitigate people's suspicion and I often get a ride quicker than I normally would. This covers just about all the questions your mother would normally ask; now let me explain why I like to hitch a ride.

Whether you are in Seattle Washington, Augusta Maine, or Newark New Jersey, the best reason for hitching is that you meet people . . . all kinds of interesting people. The number I used before was 5000, now that's a lot of folks who took time out of their schedule to help me literally down the road. All too often we lose sight of the people around us in Newark. How often on the train does someone offer you a cold brew? Or when does the bus driver say what the hell and drive you right to your front door? And tell me, how many people have you met driving to school by yourself? Hitching is probably the cheapest, most hassel free, and rewarding way for anyone to commute.

So how does one go about it?! Shave, cut your hair, show your books and have a sign. Know where you want to go and where you are going before you get in the car. So, thumbs up and take it slow . . . but take it!





Two roads diverged in a yellow wood,  
And sorry I could not travel both  
And be one traveler, long I stood  
And looked down one as far as I could  
To where it bent in the undergrowth;

Then took the other, as just as fair,  
And having perhaps the better claim,  
Because it was grassy and wanted wear;  
Though as for that passing there  
Had worn them really about the same.

And both that morning equally lay  
In leaves no step had trodden black.  
Oh, I kept the first for another day!  
Yet knowing how way leads on to way,  
I doubted if I should ever come back.

I shall be telling this with a sigh  
Somewhere ages and ages hence:  
Two roads diverged in a wood, and I -  
I took the one less traveled by  
And that has made all the difference.

—Robert Frost



... I'M JUST STANDING IN THE DOOR WAY ...  
... I'M JUST TRYING TO MAKE SOME SENSE ...  
... I'M JUST WAITING ON A FRIEND ...











So they say this is the end . . .

Mission complete  
4-5 or 6 years to attain my goal  
My mind is confused  
My soul is content

I toss and turn with memories of past  
And what may lie ahead

Friends, lovers, and knowledge  
To face each task with strength and need

A computer age  
A living age

Maybe you will miss me NJIT  
I will miss the days of you

BUT . . .

The realities come to play on my thoughts  
Money, jobs, maybe travel, maybe marriage, and life  
What shall I do next  
In this sheltered cove of four square blocks  
My mind is distorted,  
Unaware of what is to come

And all here; I will remember you

Graduation . . . Mission Complete

johanna jacobs







Hee Haw Grandma Lets Be Sneaky February 9 a night to remember

Thanks to everyone who made the pub a real success this year. Without your support it would have been impossible to get what we have today. So you are all invited back for beers on the house! Congratulations class of 1983. Good luck in all your endeavors! The Pub.



Hello Mr. James Konche! Listen why don't you stay on the golf course and leave all us transfer students alone! You have already done enough damage. "T" Arch

Thank you school of architecture and NJIT for some wonderful new studio spaces. I hope our following classmates will treat them well so that they are still in good condition when I come to take my licensing exam. 5Arch

I am not sure how this year's yearbook has turned out but I think we should all be very grateful that the 1983 Nucleus staff made it possible for our class, and future graduating classes to have a yearbook. Thanks to all of you! LB

Say hey Dotty! It was nice knowing you for one out of three years. I wish it could have been more. Hope to see you again. I like your hat!

Andy L keep that firey hot little red under control. Hope your new married life goes well.

Thank you everyone for making this year's yearbook what it is. "It's you!" '83 Nucleus

To Dave Maxwell better known as D. Max. Thanks for all your contributions everywhere! Especially those made to the yearbook. '83 Nucleus.

Does anyone know where I can get myself a job?

This must be as good as any place to advertise xerox copies made cheap! Class notes, resumes, and anything else. Bulk orders only to keep costs down! The black market copier.

Who is this really?

I have often wondered . . . is it all really worth it????????????? Confused try Harri Krishna



Am I graduating? I'm not sure if I am ready for the world or not? Or is the world ready for me? They never taught us this in CIS202. CB

Hi Bill, Ann, and Jorge. Thanks for all the memories, yesterdays, today's, and tomorrows. Best wishes always. Dan

My Mom's watching the whole thing on closed circuit TV. DEW



I guess it's time to say goodbye to all my friends and acquaintances. It's been a trying four years, five for some, six even seven for others. It seems no matter what we learn it's never enough to get you that \$20,000 a year starting salary. Well goodbye all and good luck. Paa

Could you please repeat that again? . . . What part? . . . The part after, "Hello, my name is Karen Frank." MGS

Read the hockey news — brought to you by Pete Rossomunde, Rich Seminara and Mike Pergola

Thanks a lot Wilma Needleman, it would have been impossible to get out of here without you. WOW

Monthly paper drive. Sponsored by the band parents of the Puxatauney High School Marching Anteaters second saturday every month. 9 a.m. — noon.

El Well, what can you do  
 Hey Gwedo! Don't bait me! 1st  
 row seats always  
 Go luck to "Lost in the Shuffle"  
 from crazy Ray  
 Waadausaay it's crazy Ray  
 Mr. Boston won't forget the house  
 dicks & water  
 Mike Jim Vito Marc John Doug Steve  
 & all the grad arch's! Ray won't  
 forget you! Good luck & be good.

"Crazy Ray" will always remember the trip to  
 Boston. Summer BP II and plywood, plywood,  
 plywood. Life is what you make it, don't let it get  
 you down. REO

To a new beginning: Sigma Chi Epsilon. Good  
 luck in the future.

I love you Mari  
 I adore you Javi my love

Sigma Pi — Number 1 — IFC softball and football  
 champions. Intramural sports — Nashville '83 —  
 Portland '82



Hey Ann Dan and Jorge. Thanks for making NJIT a  
 little more bearable Keep in touch! WOW

What's brown and sounds like a bell? Dung,  
 Glenn



YO know I really thought that more of you  
 would have taken out one of these personal ads.  
 I mean where else can you get such a wonderful  
 bargain?? A chance to write all you want about  
 any person you want at such a great price!!! If I  
 had that kind of an opportunity I could come up  
 with at least Twenty-three or more of these  
 booster ads! So what can I say . . . I guess I just  
 like to write, people are always telling me that I  
 talk a lot. I hope they don't mean that it's too  
 much. When given the pen in my hand I tell you  
 there is just no stopping me!!!! I think that I  
 would really like to write a book some day. I just  
 have to come up with a good topic to write  
 about. It seems that all the good ones have been  
 taken, maybe not. I really want to thank the  
 yearbook people for letting me have all this  
 space to write in. Originally they had an eight line  
 limit, but when they had this big open space left  
 over they said I could fill up all of it. They told me  
 that some people wanted to do a story on Ka-  
 daffi or Quadagfi or something like that. It seems  
 that nobody knows how to spell it . . . Cad-  
 daphy that is. I think that my little segment is  
 better anyway. But that's just personal prefer-  
 ence. Well that's all the room I have!

YUP, YUP Well many tanks fellas — I shure did git  
 me a good educashun. Now I could go an git  
 meself a real good work.

Ah I can see you now bending over a hot stove.  
 Only I don't see the stove — Rufus

To Sigma Chi Epsilon & Alpha Sigma Tau May our  
 sisterhoods live long & Prosper!!

If only there were some way that I could get my  
 work published. I know I could make it big. All I  
 need is that first break in the world. I mean there  
 must be someone out there who wants me.



Hey Bill, I couldn't sleep at all last night. Do Do  
 Do-Do Do!

Gee wiz Beav, it sure was a great five years. Yeah  
 Wally, but how come it took you seven?  
 Quiet Beav, and hit the ball

Thanks to all of you who participated in this  
 year's personal ad section of the nucleus!





*The Student Senate offers their best  
wishes and hopes for success and happiness  
to the 1983 Graduating Class....*





## CONGRATULATIONS TO OUR NEWEST MEMBERS

Welcome to The Alumni Association of New Jersey Institute of Technology. Upon graduation from the Institute, the Class of '83 brings our membership roster to total more than 20,000 alumni.

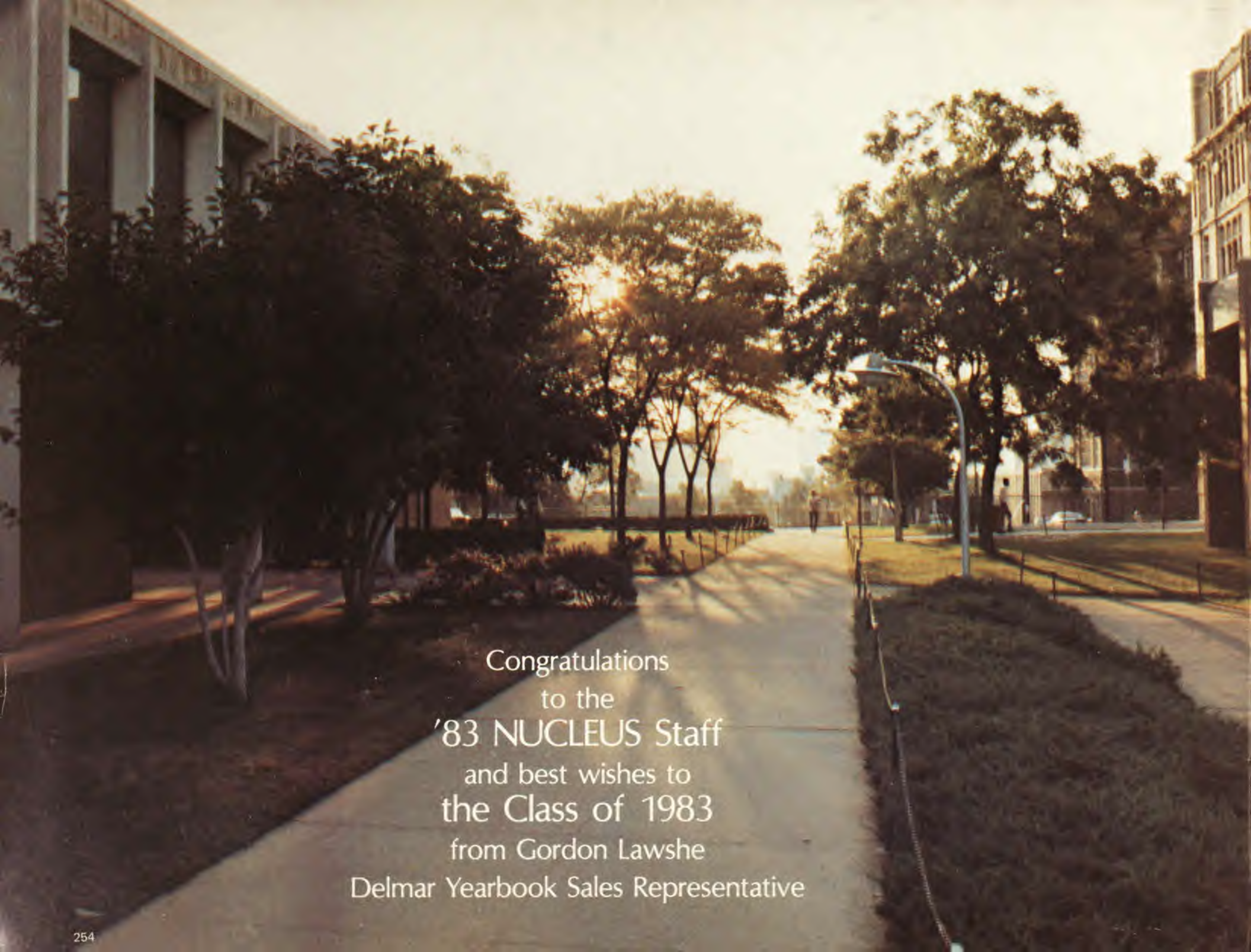
The doors of the A.J.J.A. Wilson Alumni Center are open to you at all times, and the facilities and services of the Association are available to you. During the years ahead you will receive literature about programs and events designed specifically for you and your fellow alumni. These activities range from social gatherings to educational seminars to special travel packages. We hope you will incorporate our calendar of events with yours, and join us for one of our future programs.

We wish you the best of luck and a gratifying career in the years ahead. And, as we hope you will join us for one of our future programs we hope you will share some of your future success with the Institute through a contribution to the Alumni Association's Annual Fund. Your gifts will help support:


Scholarship Programs & Fellowships	Athletic Awards
The Newsletter	Personal Growth Courses for Students
Alumni Library Collection	Educational Seminars
Student Organizations	Guest Lecturers

Again, welcome to **your** organization. Remember, The Alumni Association is your strongest link with the New Jersey Institute of Technology.





Congratulations  
to the  
'83 NUCLEUS Staff  
and best wishes to  
the Class of 1983  
from Gordon Lawshe  
Delmar Yearbook Sales Representative



Good Luck  
to the  
Class of '83

**BEIM PHOTOGRAPHERS**

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I would like to take this opportunity to thank the 1983 NUCLEUS staff. The time and effort which was put into the book is greatly appreciated. Thanks again; bye.

john scheckel  
Editor in Chief  
1983 Nucleus







