NEWARK COLLEGE OF ENGINEERING
Newark, New Jersey

Nucleus '66
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Associate Editor
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Raymond A. Filippini
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Dr. C. Johnson
Upon leaving college, graduates from NCE in 1966 are stepping into the fast-moving world of modern day industry. The future will lead them into many different areas of engineering and science. All around us are the just-developing complexities of modern automated industry and the frontiers of the space age. For one man the challenge may come in the design and planning involved in a new chemical processing plant. Another may display his talents in the development of new and complex components to be used in the exploration of outer space. There is opportunity and fascinating challenge everywhere. No matter where one looks, there are numerous new and interesting technical problems to be solved.

Just what is it that enables a man to find success and to know that what he has done has been done well? No one will dispute that it begins with a man's personal ingenuity. This is the power to envision a nuclear power plant when only a curiosity exists. But what is it that makes a power plant or a rocket ship a reality? If it takes ingenuity to form an idea, then it takes engineering skill to make that idea work.

If we look back at the years spent in studying engineering at NCE, we see that we have been exposed to the best in engineering example. The organization of our studies has been set up so that each man, whether he is interested in thermal, electrical, chemical or structural phenomena, is given full opportunity to develop his skills and to absorb basic knowledge. In all of our studies, we have been exposed to the newest and most advanced ideas upon the expanding horizons of the engineering sciences.

The development of engineering at NCE may be compared to the amazing growth of aeronautics, which at the present is pioneering on the very edge of space and the vast universe. Let us look back to the days of the early airplanes, for there one can capture the vital spirit of the NCE movement. In 1927, Charles A. Lindbergh made the first successful transatlantic flight in his monoplane, The Spirit of St. Louis. Those were the adolescent days of aviation when each flight was an adventure into the unknown.

In Newark, New Jersey, Newark College of Engineering was still a small institution, a four-year college for less than a decade. The original Weston Hall was a stately structure with high arched windows and ivy climbing up the walls. Behind Weston Hall stood the laboratory building (Colton Hall) and next to it was the new and partially completed Campbell Hall. The classes were small enough so that the students knew each other by name. The curriculum was basic and designed to enable the young men of the college to approach industry with a sound knowledge in manufacturing techniques. From outward appearances, the study of engineering seems to have been dull. There was no beautiful campus with impressive buildings and rolling green lawns, nor was there time for the students to study the finer arts in a leisurely manner. With these disadvantages then, how is it that NCE has kept pace with the world? How was the transition from then to now made? The answers to these questions is that there was no transition necessary. In 1927 NCE was geared to the needs of industry, as it is today. At that time the needs of industry
were localized and demanded general engineering skills. The college changed with the science of engineering. As supersonic jets replaced monoplanes, the emphasis of the college changed to meet the demand. The fact is that the raw material was always there. The type of man who makes an inventive engineer today is the same man who attended the college thirty years ago.

This then has been the NCE spirit. It is rooted in the needs of a changing age. The response of the engineer has always met the challenge of his time. To say that the school has come a long way in the past thirty years presents an accurate account of its physical environment and its growing curricula, but its ability to keep pace with technology remains the same.

This year we stand on the threshold of such a wide variety of engineering opportunities that it would take pages just to list the ones we now know. The faster development of the college depends entirely upon its graduates. It is left to us, as technical men, to determine the rate of advancement of the engineering sciences, and, as educated members of the community, to aid in the wise use of our contributions. The example has been set for us by those who have come before us. If we can contribute our talents as well as our predecessors in the engineering profession during the past forty years, there is no limit to the heights which useful science and technology can attain. An image of the engineering profession forty years hence requires a vivid imagination.

Newark College of Engineering, as an institution of learning, assuredly will be an immense and complex organization in the future, with separate schools for the different departments. Students will study phenomena which are still unknown. The opportunities for diversification open to them will be virtually unlimited.

This yearbook of the Class of 1966 is dedicated to the idea of change and our college's continuing awareness of the challenges wrought by change. The pages that follow show our present achievements and our past developments. Although we cannot clearly predict our future accomplishments, we do believe that the continued efforts of all those who have had a role in the contributions of engineering in the past will help produce a better society and a better world. In scanning the pages, look at the changes which have occurred in the years past, and then try to imagine the even greater changes which can be brought about by man's own inventiveness in this age of innovation.
November 15, 1965

Newark College of Engineering
323 High Street
Newark, New Jersey

Dear Seniors:

We probably had, as do the folks at N.C.E. today, the smallest area of campus per student engineer amongst the major engineering schools of the country. Furthermore, ours was the smallest, if not the only, split level campus in existence, being at two elevations over a total area of some 50' x 75'. Entrance to the campus was either through a gate off of Street A (the street on the south side of the old laboratory building perpendicular to High Street) or through either of the three buildings which formed three sides of the campus. Yes, there was also an "extension" to our campus in the form of a drive between the "old laboratory building" and Campbell Hall. Grass was a luxury our campus did not possess -- we were engineers, and engineers go with construction. Gravel surfacing made us feel at home.

Sincerely yours,

Conrad P. Straub, Ph.D.
Class of 1936
DR. ROBERT W. VAN HOUTEN
President
When I was a student at NCE, more years ago than I like to remember, the College was headed by one of the truly great men of engineering education, Dr. Allan R. Cullimore. He had arrived on the scene in 1920 to succeed the institution’s first director, Dr. Charles A. Colton, and to build a college on the solid foundation of the old Newark Technical School which Dr. Colton had so well and painstakingly prepared.

We often notice in the lives of colleges that the successful ones probably are successful because the right men seem to come along at the right time. You must remember that in its early years Newark College of Engineering had to prove itself to the people and to the officials of the City and State which supported it then as now but not nearly to the same extent. This Dr. Cullimore set about to do, through meticulous attention to the growth of the College's faculty and curriculum and through the most stringent use of the funds available in order to get the most out of every dollar.

I can recall that almost up to the time of his retirement he was criticized by some of the less thoughtful among his peers for moving slowly and deliberately in the development of the College; but, as it has turned out, it was a slowness born of an insistence that quality never be sacrificed for shallow experimentation and deliberateness which was convincing because of the strength the College has come to show.

In terms of the budget, you could see his hand at work in a hundred ways. There was, as we were fond of saying, "little ivy and few frills." Most of the interiors were painted an all-pervading gray. Buildings were constructed with an economy which can be noticed even today in their architecture and in such cost-saving details as exposed piping. Only the housekeeping was not stinted not only because it was the economically sound thing to do but also because engineers have to be neat—it's in their blood.

When he took a leave of absence in 1947 and then left the presidency in 1949 Dr. Cullimore had, indeed, built a College of which all of us can be proud, had done it the only way it could have been done in the formative years, and had prepared the way for our being able to take advantage of new times and new attitudes as we are now doing.

This business of times and attitudes is the key to the contrast of the old and the new about which you have asked me to write; for when Dr. Cullimore was at the helm, all of education, higher education included, was not felt to be the compelling force in our lives that it is today. We usually date the year of change, the exact day, in a way it never had before. Our high schools felt the brunt of criticism first and in the years since then have developed standards and a degree of excellence which for a while put many of our colleges in the embarrassing position of having to struggle hard to remain truly representative of higher education. Thus they too responded to a demand for excellence to keep America strong and prosperous in a race for world leadership in diplomacy, productiveness and simply good citizenship, as well as in space.

Other forces were also at work—you yourselves as a matter of fact, first because of the sheer numbers of you and second because America began to need your knowledge and your skills and your growing wisdom in a way, again, that she had never needed such qualities before. Forced into a position of world leadership, our country found a dependence upon individual leaders so compelling that education became a wholly new concept in our lives—its worth to the individual more important than ever, its value to the nation the difference between ultimate survival or despair.

Because of Dr. Colton and Dr. Cullimore and a host of other dedicated men and women (some of whom have been memorialized in the recent dedication of our newest buildings) NCE was ready for this change. The form it took might have been considered shamefully extravagant in an earlier day, but is considered right and necessary today. NCE's new campus is beautiful by any standards. Its buildings are architecturally pleasing to the mind and the spirit, their purpose dedicated as much to extracurricular activities and good fellowship as they are to superior education. At the same time, NCE is still dedicated to getting the most out of every dollar. What has happened, of course, is that in gaining a new definition based upon new needs, education has come again to mean the fullest expression possible of the ancient Greek ideal, too often neglected for too many centuries, of mens sana in corpore sano—a sound mind in a sound body.

When you become alumni you will meet a few among the older graduates who still carry in their memories the idea that NCE was a factory, a hard, grinding experience from which they have never fully recovered. When you do, you may in all kindness wish to remind them that factories as such do not grow, do not develop a life and philosophy and an influence that perhaps must start in a harsh and vigorous way but which are ready to respond to new demands and new ideas as the needs of the world change.

In the final analysis, there is no such thing as the old and the new, as if they were two disconnected, contrasting ages. In the case of NCE there is only and rightly the continuous development of a fine College from its pioneering struggles to its full accomplishment as a vital force for good in today's society.

You and I are enjoying the fruits of eighty-one years of dedicated growth and at the same time are making our own responsible contributions toward an even more significant future. For these reasons, I wish every one of you well and take a great personal pride in your accomplishments.

Cordially yours,

ROBERT W. VAN HOUTEN
President
PROFESSOR J. FITZGERALD

Advisor
Class of 1966
Department of Chemical Engineering

DR. JOSEPH JOFFEE
Chairman
Department of Electrical Engineering

DR. FREDERICK A. RUSSEL
Chairman
Department of Mechanical Engineering

DR. GEORGE B. THOM
Chairman
Department of Mathematics

DR. HENRY ZATZKIS
Chairman
Department of English and Humanistic Studies

DR. SAMUEL K. WORKMAN
Chairman
Department of Physics and Mechanics

DR. PAUL O. HOFFMAN
Chairman
Department of Chemistry

DR. M. LELYN BRANIN
Chairman
Department of Industrial Relations

DR. ROBERT E. KIEHL
Chairman
Department of Engineering Graphics

PROF. FRANCIS J. BURNS
Chairman
Department of Aerospace Studies

Lt. Colonel
JAMES A. MACKENZIE
Chairman
Department of Health and Physical Education

ROBERT F. SWANSON
Director
November 23, 1965

Newark College of Engineering
323 High Street
Newark, New Jersey

Dear Seniors:

In 1954, the world of N.C.E. was essentially in four buildings: old Weston Hall, the Laboratory Building (now Colton Hall), Campbell Hall, and Ebberhardt Hall. A small world you say? We didn't think so. Self contained - yes; sensitive to its environment - certainly; aware of its problems and potential - without question. But the size of the campus a decade ago seemed to be of trivial importance to the student body compared to the fast pace of undergraduate life, a life invariably committed to commuting, parking, walking, classes, quizzes, meetings, study, homework, homework, home----... Alas, the weekend. Could we ever forget Bob Swanson's Dance Club on Friday nights in the gym. I found my Mary there. We now have three boys ready for N.C.E. in the 1970's. Will N.C.E. be ready for them? You say the campus is expanding - no wonder.

Very truly yours,

[Signature]

John E. Abate
Class of 1954
JOSEPH C. BENE
Electrical

KEITH BENJAMIN
Mechanical

RICHARD J. BENNETT
Mechanical

GARY J. BERMAN
Industrial

MICHAEL W. BIANCHINI
Civil

BRADFORD B. BIALEK
Mechanical
JOSEPH F. BLAZEWICZ
Electrical

JACOB B. BLOM
Electrical

CHARLES G. BODAYLA
Industrial

PAUL F. BOSAKOWSKI
Civil

MICHAEL J. BOGDAN
Mechanical

LEROY L. BOWMAN
Mgt. Option
CHARLES CAMERON
Civil

ALFRED CALAFIORE
Electrical

JOSEPH M. CALO
Chemical

JOHN T. CAPELLI
Civil

RICHARD A. CARLSEN
Mechanical

JOHN CASCARELLI
Mechanical
PAUL C. DE COSIMO  
Chemical

PAUL C. DE COSIMO  
Chemical

WARREN L. DE FREITAS  
Mechanical

WARREN L. DE FREITAS  
Mechanical

ANDREW W. DE GRAFF  
Chemical

ANDREW W. DE GRAFF  
Chemical

ORLANDO E. DE LA VINA  
Electrical

ORLANDO E. DE LA VINA  
Electrical

JOHN J. DE LORENZI  
Electrical

JOHN J. DE LORENZI  
Electrical

VICTOR R. DESPOSITO  
Industrial

VICTOR R. DESPOSITO  
Industrial
WILLIAM J. EHRHARDT
Civil

KARNIG H. EKIZIAN
Mechanical

FRANCIS M. H. ENG
Mechanical

STEPHAN A. ENGEL
Mechanical

PAUL EMMERICH
Electrical

EDWARD K. ERNSTROM
Civil
LOUIS A. HARI
Electrical

RICHARD HARTUNG
Mechanical

HARVEY J. HEIR
Electrical

ROBERT G. HEATON
Industrial
PHIL HELMER
Mechanical

STUART HERKLOTZ
Electrical

DOUGLAS J. HENNESSY
Electrical

EDWARD HILLIS
Electrical

MICHAEL T. HENRY
Mechanical

RICHARD H. HOCK
Electrical
ALAN J. JOHANSEN
Electrical

GERALD A. JOHNSON
Mechanical

JOHN KACEREK
Electrical

DANIEL R. KAHN
Chemical

ALAN L. KAMINSKY
Electrical

STANLEY H. KARAMANOL
Mechanical
GEORGE M. KOLCHAK  
Electrical

DAVID N. KOPELS  
Electrical

HENRY R. KOSAKOWSKI  
Electrical

GARY A. KOSVIC  
Mechanical

YAROSLAV T. KOSTAL  
Electrical

ROBERT M. KOWTKO  
Mechanical
ALFRED F. MAIURO
Civil

RONALD A. MANCINI
Electrical

CHARLES M. MANGAN
Civil

JOHN W. MANSFIELD
Civil

ROLANDO H. MANEJIAS
Chemical

ROBERT P. MANTHEY
Chemical
ROBERT J. MAXMAN  
Civil

STEPHEN R. McCracken  
Electrical

ROGER J. MAZURKEWICZ  
Mechanical

JOHN D. McCORMACK  
Mechanical
JAMES P. McDONALD
Electrical

VINCENT P. McGANN
Industrial

RICHARD W. McGINTY
Civil

DONALD J. McLOUGHLIN
Mechanical

JOHN B. McLAREN
Mechanical

EUGENE J. McTAGUE
Mechanical
ANTON N. NAHAS  
Electrical

PHILLIP NANNERY  
Electrical

GEORGE A. NARCAVAGE  
Industrial

MICHAEL D. NELSON  
Civil

JOHN F. NEMETH  
Industrial

JOHN W. NEWTON, JR.  
Electrical
GEORGE C. OLEXA  
Civil

ALVIN OLSEN  
Mechanical

WILLIAM J. O'ROURKE  
Mechanical

JAMES A. PANACEK  
Mechanical

JOSEPH R. ORANCHAK  
Electrical

LEROY W. OSBORN  
Electrical
WILLIAM PANACHYDA, JR.
Mechanical

CHARLES J. PAONE
Mechanical

ARGO T. PARRELLO
Civil

SALVATORE PAPPALARDO
Mechanical

CHARLES J. PENZA
Mechanical

GEORGE PATTERSON
Mechanical
JAMES R. PENNINO
Civil

CARL J. PERSAK
Mechanical

JOHN J. PERUCKI
Mechanical

ANASTASUS G. PERATIKOS
Mechanical
KENNETH A. REED  
Mechanical

BRUCE D. REINERT  
Civil

FREDERICK C. REMBIS  
Electrical

PHILIP C. REMINGTON  
Mechanical

DAVID C. RHEUBOTTOM  
Electrical

ERNEST J. REVELL  
Chemical
DAVID R. ROWLAND
Civil

HAROLD S. SAIEVETZ
Mechanical

NICHOLAS SAITAS
Electrical

JAMES P. RUTT
Civil

RICHARD C. SALKIE
Electrical
NORMAN TINGLEY
Mechanical

ROBERT L. TINKHAM
Mechanical

RONALD J. TOOLE
Electrical

NICK TOOMER
Industrial

LOUIS G. TORTORIELLO
Chemical

ROBERT F. TRACEY
Mechanical
ADRIAN VAN MAARSEVEEN
Mechanical

JOHN VAN ZWEDEN
Civil

ARNOLD I. WALDMAN
Industrial

ROBERT C. VELCHECK
Mechanical

GEORGE A. VINCENT
Electrical

KENNETH J. WALENCIAK
Electrical
KENNETH WALKER
Mechanical

JOHN B. WALLACE
Electrical

JOHN J. WALSH
Electrical

RONALD F. WASS
Mechanical

KENNETH R. WALLER
Mechanical

CHARLES J. WASSERLOOS, JR.
Civil
RICHARD A. WIRTZ
Mechanical

JOHN R. WOJNAS
Industrial

MYRON S. WOROBEC
Industrial

GEORGE WOYTOWICH
Mechanical

GEORGE M. WILVERDING
Mechanical

RONALD A. WISS
Civil
Dear Seniors:

I remember the "Old Gym" on the fourth floor from my first day at NCE in Feb., 1938. After classes I went up to the gym to see what sports were practiced at NCE. Fencing coach Norman Wyckoff was there drilling his squad of swordsmen. At that moment I began a 28 year participation in the sport that is even stronger today, even though my competitive days are coming to an end.

In that "Old Gym" we would set up a Badminton net and smash a shuttlecock until it was defathered, and in the spring we would put up a tennis net and practice lobs, smashes, and volleys under the sharp watchful eye of Prof. Paul Geise. Also there in its sunlit sparkle, we would receive our NCE Athletic Pins and Varisity Letters from President Cullimore or Professor Entwhistle. There in the throat-swarming roar of victory or in the swallowing of defeat we played to our last ounce of energy. Win or lose we were becoming more than what we were before.

The running, lunging, and jumping feet that have worn the boards of the "Old Gym" are now traveling all over the world spreading the quiet dignity of NCE.

Sincerely Yours,

A. John Geraci '38
NCE Fencing Captain '41-'42
Olympic Epee Squad '64
N.J. State Epee Champion '64,'65
Coach Simon faced the 1965 soccer season with several doubts and some apprehension. His team of the year before had amassed a fine record of seven wins, three losses, and one tie. However, from that highly successful squad, four starters were not returning. To make matters worse, all of these men were in the defensive backfield. The gaps they left might have been tough to fill. There was, however, a fine nucleus in fullbacks Oleg Moiseenko and Nick Spiridakis, halfback Pete Jansons, and goalkeeper John Walsh.

On the offensive side of the ledger, the situation looked a little better. In addition to high scorer and All-American Mike Worobec, and fine playmaker Myron Bakum, Coach Simon could look to lettermen David Keimed and Paul Tubbs for scoring punch.

But when practice began, it became apparent that the incoming crop of freshmen was to provide a wealth of soccer talent. The backfield positions were ably filled by Gundar Richters, Harry Habermas, and Win Seipel. On the forward line, Tony Baeta, Sal Scardigno, and Keth Edmondson showed exceptional skills.

The final tally stood at 7 wins and three losses. In addition to this fine record, there were outstanding individual efforts and some records broken. Myron Worobee repeated as an All-Area selection, while Myron Bakum was named to the All-America squad. On the defensive, goalkeeper John Walsh broke the record for most shutouts in one season (6), and tied the record for the least goals in one season (8). With only two seniors leaving, the 1965 soccer squad can look forward to an even better season in 1966.
Coach Simon cheerfully surveys the scene.

That's what I call using your head.

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<th>NCE</th>
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<td>4 Bloomfield</td>
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<td>2 Seton Hall</td>
<td>0 Seton Hall</td>
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<td>0 Trenton State</td>
<td>1 Trenton State</td>
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<td>1 Drew</td>
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<td>2 Pratt</td>
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<td>1 Montclair State</td>
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<td>2 East Stroudsburg State</td>
<td>4 East Stroudsburg State</td>
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<tr>
<td>3 Stevens</td>
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<td>4 St. Peter's</td>
<td>0 St. Peter's</td>
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<tr>
<td>1 Howard</td>
<td>2 Howard</td>
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Final Record—7 win, 3 losses
Hmm—this should be just about right.

Catch me if you can.
Will he or won't he?

BOWLING

Looks like it's going to be a long afternoon.
BASKETBALL

The 1965 basketball season could have been a banner year for NCE. Coach Fitzgerald had nine lettermen returning, and many other fine prospects. At center was 6'7" sophomore Rich Olsen and 6'4" Bob Kivitt. The forward spots were manned by Bob Mulder, co-captain Rich Schroeder, and Ben Gazdowicz. In the backcourt were Butch "Poo" Gerard, co-captain Jack Walsh, Al Olsen, Tom "Duke" Gawley, George Stramback, Mike Browne, and Terry Bergen.

This list seemed to be heavy in backcourt, but many of the men doubled at corner spots. The team was very well balanced. Although the starting squad consisted of Schroeder, Rich Olsen, Gerard, Gazdowicz, and Walsh, everyone was capable of playing, and everyone did play.

The highlight of the season was the Holiday Classic Tournament at Fairleigh Dickinson Madison. In this tourney, NCE defeated SIT in a semi-final match, then came from behind in the final to defeat FDU and take the title. In addition, John Walsh was named Most Valuable Player in the tourney.

After this successful start, the team hit a slump; losing several tough ones, including defeats at the hands of D.C. Teachers and Delaware State on a road trip. However, the team came back strong in the latter part of the slate, taking the next six games out of seven left to the season.

Rich Olsen takes rebound.
This has the makings of a new dance craze.

**BASKETBALL**

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<th>NCE</th>
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<td>90 Paterson State</td>
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<td>63 Delaware State</td>
<td>69</td>
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<td>68 Jersey Classic (Stevens)</td>
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<td>66 Jersey Classic Finals (FDU)</td>
<td>56</td>
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<td>65 Montclair State</td>
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<td>50 Jersey City State</td>
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<td>57 Monmouth</td>
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<td>48 Newark Rutgers</td>
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<td>93 District of Columbia Teachers</td>
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<td>57 Pratt Institute</td>
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<td>53 Drew</td>
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<td>74 FDU-Madison</td>
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<td>71 Brooklyn Ply</td>
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<td>91 Stevens</td>
<td>59</td>
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<tr>
<td>89 Bloomfield</td>
<td>82</td>
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Final Record: 11 wins, 8 losses

Time out for floor inspection.
Two NCE cagers get high.

Schroeder watches as Mulder reaches.

The center tap

Cheerleaders discuss last physics quiz.
Over the past twelve years the N.C.E. fencing team, under Professor Hauser, has maintained a consistently winning record. This trend continued and resulted in the engineers thirteenth consecutive season. The team's record for the season was seven wins and six losses.

In the North Atlantic Championships of the NAIA, the N.C.E. team was well represented with Mike Nelson and George Potozniak winning the team championship in epee, Mike Nelson taking fourth place in individual epee competition and Jeff Ruoff placing in the finals in foil competition.

At the beginning of the season the lack of experienced men in all weapons was a problem. This problem was solved however by the redistribution of three men to the areas which had been lacking. The team was also helped by the alumni coaches who worked with the inexperienced men of the squad.

Because of the hard work done by both the team and coaches, a successful season resulted in spite of a partly inexperienced squad and an expanded schedule.

Spina feints and hits his opponent.
N.C.E. foilman initiates 1-2 attack.

Now the big thing in this game is to hit your opponent.

High low attack is parried.
JUDO

The rapid growth of interest in Judo at NCE has caused the team to undergo some growing pains as organization begins to solidify. Judo membership has multiplied since practice began four years ago. Many NCE students practice weekly for exercise, competition, or for self-defense training. Consequently, the Judo group is not limited to intercollegiate competition, but enjoys many varied social and educational activities as well. One of their favorites is demonstrating the art of self defense to local women’s schools, and then enjoying the refreshment and activity which the girls provide in reciprocation.

The team’s professional instruction comes from Coach Yoshisao Yonezuka (Godan), a former varsity captain of the Champion Nippon University team. Mr. Yonezuka has developed many fine Judo players in his short history at NCE and with his continued teaching, the future teams of NCE will exhibit some of the best Judo on the east coast.

This year will graduate the charter members of the Varsity Judo Team, and they leave behind them quite a contribution to athletics at NCE. Judo, in its third year as a varsity sport at NCE, has developed for itself a permanent spot in our athletic program. The sport literally translated as “The Gentle Way,” combines all the gracefulness of ballet with the ruggedness of wrestling, into a system of sport and self defense techniques. The main theory of Judo is to take advantage of your opponent in his weakest direction.

As a sport Judo has a variety of rewards for its participants. In a sentence Judo can be explained as “Maximum efficiency with minimum effort.” Judo has a much deeper meaning than just to keep physically fit, have active competition, a method of strengthening one’s self-confidence, learning self defense tactics, and becoming proficient at a varsity sport which we can continue with after graduation.
WALK RIGHT IN ... Opponent seems pleased that he just walked into the swinging leg of an NCE man at the March Eastern Collegiate Judo Tournament.

Sheninger picks up a half point (wizari) from an haraigoshi attempt.
The 1966 baseball season looks bright for the NCE squad. Forming the nucleus of the team are six returning seniors: Hank Dobbelaar and Conrad Miller behind the plate, Bill O'Rourke at first base, Doug Munson at third base, Al Schuster in right field, and the captain of the team, Jack Walsh in center field. To augment this solid core are Ed Coughlan at shortstop, Dave Robinson at second base, and George Stramback in left field. The pitching staff has depth and quality this year, with veteran Jim McDonald, John McDonough, Steve Shieni, and Tom Waldron ready to bring “Big Red” to victory.

The team has a great deal of hustle and spirit, which stems from a long term comradeship among the players. This factor and the ability of the players should bring a winning season for Coach Hauser and the “NCE Nine”.

The quiet before the storm.

One of N.C.E.'s nine ready for action.
Is Doug prepared for the bad hop?

Will he hold it?
VARSITY CLUB


ATHLETIC CLUB

Newark College of Engineering
323 High Street
Newark, New Jersey

November 18, 1965

Dear Seniors:

The first class to graduate under N.C.E. was in 1923. There were only eleven men, therefore to help swell the crowd and to economize the N.C.E. class was graduated with our "Tech" class of 1923.

In the early days of the 1920's the yearbook was the Fratech. Advertising was captioned as "Newark College of Engineering of the Newark Technical School". Our two acre campus consisted of two buildings and a total enrollment of app. three hundred men.

In the late 1920's the yearbook was the Kem-Lec-Mek, the title represented the only three courses of study. Our campus life was extended - Campbell Hall was erected making it three buildings, but parking was at a premium - two motorcycles and the campus was crowded.

Sincerely,

Clifton J. King
N.T.S. '23
N.C.E. '28
ACTIVITIES
The Student Council functions as the governing organization of the undergraduate students at Newark College of Engineering. The Council's purpose is to promote the good and welfare of the student body and to aid in establishing a close liaison between students, faculty, and members of the administration. In addition to this, the Council strives to assist the cultural and professional development of the student body by stimulating and coordinating student activities.

The Council represents the student body in all matters which do not exclusively belong to any individual organization and establishes administrative and financial controls over those activities which affect the student body at large. Last year, a total of more than thirty thousand dollars was disbursed for purchases that ranged from blouses for the Cheerleaders to snow-shoes for the Outing Club. With the coming of the new campus and the increasing enrollment, this financial responsibility will rest more heavily on the Council's shoulders than ever before.

Two other duties are performed by the Student Council; the first is to assist in the formation and chartering of new campus organizations, while the second and more recent duty, is to defend and advocate the rights and responsibilities of students in general.

The membership of the Council consists of representatives from each of the classes in attendance at the college, from the Athletic Association, Interclub Council, Interfraternity Council, Honor Societies Council, Publications Council, and from the Professional Societies Council. Such unusual representation insures the democratic guidance of student affairs while simultaneously guarding against factional domination.
CLASS OF 1966

President Ray Kasbarian
Vice-President Ray Filippini
Corresponding Secretary Frank DiPalma
Recording Secretary Joe Milleli
Treasurer Dick Fox
S.C. Representative Jim MacDonald
Advisor Prof. Fitzgerald
CLASS OF 1967


President .................... Charles Pritzlaff
Vice-President ............... Frank Romano
Corresponding Secretary .. Dave Stewart
Recording Secretary Mary Ann Wiecerzak
Treasurer ...................... Milton Eckert
S.C. Representative .......... Joe Potozniak
Advisor ....................... Prof. Poetz
President John Drobish  
Vice-President Phil Rinaldi  
Recording Secretary Karen Costa  
Corresponding Secretary Judy Heim  
Treasurer Richard DeFabrizio  
S.C. Representative John Cioffi  
Comm. Coordinator Ronald Parente  
Advisor Prof. Yee  

ROW 2: P. Madonna, A. Patterson  
Informality is the password.

President .................. Richard Syrek
Vice-President ............. Anthony Maffia
Corresponding Secretary ... Susan Petro
Recording Secretary ........ Joan Lastovica
Treasurer .................. Ed Bogan
Advisor .................... Dean Yarosz
The Honor Societies Council at NCE has done a fine job of coordinating the efforts of the Honor Societies. Besides offering recognition to outstanding students, the Societies and their members feel that they should offer a service. One of these services is the tutoring program, which has been very successful in helping students who require additional aid.

The Honor Societies Council plans the semi-annual NCE Recognition Dinner. At the Fall Dinner, held at the Robert Treat Hotel, Reverend Wade A. Renn, the NCE Chaplain, was the guest speaker. Rev. Renn’s unique background insured an interesting talk.

After dinner, each Society’s President introduced the new members. The men of Omega Chi Epsilon were most enthusiastic in their “spontaneous” applause for their president and the society he represented. When Dr. Van Houten arose to talk, he was greeted with considerable applause, which led him to comment on the spontaneity of the evening.

And so ended another successful dinner and a memorable evening.
ALPHA PI MU

Commander: L. Hari
Executive Officer: R. Tinkham
Operations Officer: R. Bennett
Comptroller: J. Lauher
Information Officer: T. Reinhardt
Administrative Officer: J. Calo
Adviser: Lt. Col. MacKenzie

ARNOLD AIR SOCIETY

President: W. Holman
Vice-President: A. Waldman
Corresponding Secretary: G. Narcavage
Recording Secretary: P. Trubelhorn
Treasurer: S. Marshall
Adviser: Prof. Rigassio
President .................................................. R. Loew
Vice-President ............................................. L. Coakley
Secretary ..................................................... C. Mangan
Treasurer ...................................................... W. Pluymers
Associate Editor ............................................. W. Boswell
Marshall ....................................................... C. Cameron
Adviser ......................................................... Prof. Monahan

President .................................................. P. Emmerich
Vice-President ............................................. J. Rosinski
Corresponding Secretary ...................... S. Teller
Recording Secretary ........................... H. Stoll
Treasurer ...................................................... Prof. Anderson
Bridge Secretary .................................. R. Meyer
Adviser ......................................................... Prof. Anderson
President .............................................. J. Calo
Vice-President ...................................... C. Miller
Secretary ............................................. R. Filippini
Treasurer ............................................. R. Trinks
National Representative ...................... R. Rosenzweig
Adviser .............................................. Dr. Hanesian

OMEGA CHI EPSILON

President .............................................. P. Trubelhorn
Vice-President ...................................... P. Francis
Secretary ............................................ Prof. Keables
Treasurer ............................................. Prof. Konove
Adviser .............................................. Dr. Foster

OMICRON DELTA KAPPA
President ........................................ T. O'Connell
Vice-President .................................... J. Pendorf
Secretary .......................................... C. Klumb
Treasurer .......................................... J. Diffily
Historian .......................................... R. Parente
Adviser ........................................... Prof. Poetz

PI DELTA EPSILON

President ........................................... J. Greca
Vice-President .................................... P. Francis
Secretary-Treasurer .............................. T. Reinhardt
Adviser ........................................... Dr. Estrin
PI TAU SIGMA

President ........................................... E. Graber
Vice-President ...................................... C. Paone
Corresponding Secretary ......................... J. Horowitz
Recording Secretary .............................. K. Schroll
Treasurer ........................................... M. Freund
Adviser ............................................ Prof. Miller

TAU BETA PI

President ........................................... J. Rosinski
Vice-President ..................................... P. Emmerich
Corresponding Secretary ........................ S. Teller
Recording Secretary .............................. J. Calo
Treasurer .......................................... Dean Hazell
Cataloger ........................................ D. Kahn
Advisers .......................................... Mr. Monahan,
                                        Dr. Ramburg, Dr. Smithberg, Prof. Flatow
Twenty-two of Newark College of Engineering's undergraduates have been selected for listing in the 1965-66 edition of Who's Who Among Students in American Universities and Colleges, a nationally-compiled directory of outstanding students. The announcement of those included from NCE was made by S. J. House, dean of students.

Those chosen for listing are selected by their college on the basis of quality and variety of student activity. Academic standing is also taken into consideration.

Students from Newark College of Engineering who will be listed in the newest edition include:

Professional Societies Council

President .................. G. Wilverding
Vice-President .................. R. Poinsett
Secretary-Treasurer ............... C. Miller
Adviser .......................... Prof. Miller

Society for the Advancement of Management
American Society of Mechanical Engineers

Institute of Electrical and Electronics Engineers
American Society of Civil Engineers

American Institute of Industrial Engineers

Society of Automotive Engineers
The Publications Council co-ordinates the activities of NCE's publications. In addition to reviewing the annual budgets of the Vector, Nucleus, and Orbit, the Council maintains a seat on the Student Council in order that the campus publications are well represented in student government. The Publications Council, like its member organizations works toward extending its influence throughout the College.

Editor-in-Chief ............ Gerry P. Kurth
Associate Editors ....... James W. Stewart
Nicholas J. Prato
Staff ...................... Edward Byrne,
Arthur Eschelbach, Paul Francis,
George Kuiper, Norman Meier,
William Toth, Stephen Ohr
Art Staff .................... Harvey Bernstein,
Edward Fers, Richard Grocholski,
Robert Kee
Photography ............... Emerson Brigham
Circulation ................. Fred Becker
Thomas Pardew
Advisors .............. Dr. Herman A. Estrin
Dr. Edward J. Yarosz, Associate Dean
As the members of the Class of 1966 look ahead to a new era in their lives, Newark College of Engineering also looks to a new era that it will be entering this year. Continuous growth and change has characterized N.C.E. since its inception. Much of this growth is taken for granted by the average student. It is the hope of the Nucleus staff to highlight some of this development of the school through the eyes of former students.

The Nucleus staff started its task last June with high aspirations and many ideas. The summer vacation did not dull any of the enthusiasm toward the work ahead. So in September the Nucleus 1966 was launched on its way with predictions of greatness. The high aspirations were soon lowered by the cold reality of last minute sessions to meet deadlines, frantic searches for the fencing team article or the pictures that belonged on page thirty-three.

The size of the staff varied throughout the year as did the estimates of whether the yearbook would be published at all. Help in times of crises was forthcoming from previously uninducted seniors and underclassmen. Generally however, the Nucleus editor, Ray Filippini kept things running at an efficient pace with his frequent inquisition meetings and threats of shake-ups within the staff.

Now that the Nucleus is finally published and the headaches over galley proofs, advertisements, and layouts are a thing of the past, the work and crises seem both worthwhile and laughable. It is of course up to you to judge our endeavors and success in portraying the Class of 1966. The staff hopes that it has been able to give you a worthwhile look at your class and alma mater.
Hunt and Peck, Ron.

Why don't you learn how to print?

I wonder if this picture will pass the censors?
The Vector, year after year has won citations from the New Jersey Collegiate Press Association, and honor ratings from the Associated College Press. These are honors justly deserved by those students who publish news articles, features and sports in the form of a weekly newspaper.

But, in spite of its record, the editor and staff of the Vector are endlessly working toward improvement. They are working toward better and larger coverage of important news events, more interesting and informative features, and more spirit-provoking sports coverage. Always they are extending their influence over the College Community in efforts to publish an authoritative and responsible student newspaper.
Informality is the password.
I always work hard.

Too many words, too little space.
This past year the Interclub Council has tried to truly coordinate the activities of its member clubs. In past years it has been difficult to do this, but the Council is now starting a program to coordinate club meeting schedules and institute Council activities.

The Council is now composed of twenty-one member clubs including some probationary members. Some of the new members of the Council include the Highland Rifles and the A.F.R.O.T.C. Band.

The major project of the Council this year was the renovation of its constitution.
ALPHA PHI OMEGA

President R. Fox
Vice President R. Stickney
Vice President C. Mahan
Secretary N. Stefero
Treasurer A. Katz

NEWMAN CLUB

President C. Larocca
Vice-President P. Czachorowski
Second Vice President P. Rosendahl
Corresponding Secretary T. Lorenc
Recording Secretary K. Martell
Treasurer H. Conway
SIGMA CHI EPSILON

President .................. M. Wiecerzak
Vice President ................. S. Ohr

DEBATING SOCIETY

President .................. K. Martell
Vice President ................. M. Brown
Secretary-Treasurer ............ S. Harrington
CHRISTIAN FELLOWSHIP CLUB

President ........................................... E. Graber
Vice President ..................................... N. Malwitz
Secretary Treasurer ............................. J. Hajian

YOUNG REPUBLICANS

President ........................................... D. Calleo
Vice President ..................................... R. Reeves
Corresponding Secretary ................................ E. Christiansen
Recording Secretary ............................. V. McGann
Treasurer ........................................... R. Lutolf
PHOTO CLUB

President .................................. R. Frasco
Vice President ............................ S. Teller
Secretary .................................. M. Wallach
Treasurer ................................. M. Cohen

SHALOM

Co-Chairmen ............................. M. Cohen
S. Teller
N. Zloczower

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HIGHLAND RIFLE TRICK DRILL TEAM

HIGHLAND RIFLE I.D.R. TEAM
YOUNG DEMOCRATS

President ......................... R. Frasco
Vice President .................... T. Patton
Secretary ......................... S. Teller

RADIO CLUB

President ......................... N. Ginga
Vice President ................. A. Eschelbach
Corresponding Secretary .... N. Gomm
Recording Secretary .......... E. Foley
Treasurer ......................... A. Moeck
OUTING CLUB

President .................. R. Jablonowski
Vice President ............... R. Carter
Treasurer .................. N. Stefero
Members at Large .......... J. Silliman
                        R. Delgado

ROD AND GUN CLUB

President ................. J. Capelli
Vice President .......... J. Pennino
Treasurer ................. M. Smaldone
FROM THE DIARY OF AN NCE GRADUATE OF 1933

January 14, 1931:

Today I left the plant early in order to make arrangements for next semester. It was not quite four p.m. when I entered Weston Hall. It was a grey day outside and the illumination at this time of day seemed depressing. Mr. Cullimore's office, right at the entrance, is still lit; apparently he is still in.

I went up the stairs to the top floor in Weston Hall; and sat down for a few minutes; few students were there and the Commons seemed cavernous.

Then the bell rang and Prof. Bradley's chemistry lecture in 30A ended and the students poured down the stairs. I am always amazed at 30A; it is an ugly lecture room but the acoustics are excellent.

Went to Harry's for a bite of supper, the appellation "Greasy Vest" is indeed appropriate. Sometime the school will have a cafeteria, I hope!

Late afternoon classes began at 5:00 p.m. Today we had Graphics and Structural Design with Van Houten. He gave us a few stiff homework problems. I shall do them over the weekend.

It is late, but I am not very tired. I feel like looking into a crystal ball and see what is going to happen to the College in the future. What will it look like in 1941, or 1951, or 1961, or even in 1971.

Perhaps by that time we will have a fine big campus and I might still be here to witness it. At least I hope so.

From an Old NCE Graduate;

Paul O. Hoffmann
The year 1965-66 was a busy one for the I.F.C. Over the past year the I.F.C. has grown both physically with the addition of Phi Lambda Sigma as a member fraternity and Kappa Xi Kappa as a probationary fraternity. More importantly it has increased the scope of its projects and activities. The I.F.C. sponsored a drive to obtain "one ton of books" for U.S. servicemen in Viet Nam. The drive netted well over a ton of books and periodicals. The men of the fraternities on campus donated their services to the Alumni Association to help implement the association's fund raising drive.

I.F.C. social activities started off this year with a talent show that was held in November. Olatunji was the guest m.c. at this show which featured a dance contest and of course a talent competition which was won by Theta Chi. This event was by far the most successful social event ever held at the school. The second big event of the year was the I.F.C. ball which was held at Peretti's House of Brides on March 26. The I.F.C. queen was crowned at this event.

Winners of I.F.C. awards for the past year were; Sigma Pi, "Best Fraternity on Campus"; Sigma Pi, Outstanding Pledge and Outstanding Pledge Scholarship awards. Iota Kappa Phi, "Most Improved Fraternity." With competition completed in only one athletic league, only one trophy has been captured and this was Sigma Pi for the football league.
Crowning of the I.F.C. Queen

The winning basketball banner

The Tuesday night fights
Alpha Sigma Mu proudly states that it is the only fraternity associated with Newark College of Engineering that is composed exclusively of veterans of the Armed Forces. Their basic philosophy is to unite those men of the college with this special background in order to better overcome the difficult transition from military to academic life.

Many of the nation's soldiers who returned from World War II and the Korean conflict were enabled to return to school or continue their education under the GI Bill, but often the scholastic environment presented more than a fair share of problems . . . for instance, once-learned principles of algebra, grammar, and physics had been eroded by time and competition from younger high school graduates was fierce. From this background then, a fraternity was born to aid and assist all such people who fell into this unusual category. Today, it is not uncommon for upperclassmen to tutor entering freshmen or to help them in whatever way possible along the road to academic achievement.

The maturity and background of the brothers of Alpha Sigma Mu fuse into an ideal medium for social growth. The academic year is strategically interspersed with cocktail parties, dances and informal meetings. To add a masculine flavor to this unique combination, a sports program is included permitting participation in baseball, basketball, and football.

From experience, it is well known that Alpha Sigma Mu offers a singular blend of activities and advantages to veterans of Newark College of Engineering.
President ........................................... John Zawacki
Vice-President .................................... J. Rutt
Corresponding Secretary ......................... K. MacDonald
Recording Secretary ............................... J. Zelley
Treasurer ........................................... J. Bakum
Social Chairman .................................. R. Velcheck
House Chairman ................................... B. Ilgen
Adviser ............................................... Prof. Poetz
Since its start a few short years ago the theme of Iota Kappa Phi has been growth. From its start in a small store front on Warren Street, Iota Kappa Phi has grown to a respected member of Newark College of Engineering's fraternity community. The brotherhood now proudly resides in a green brick house on the future fraternity row.

The brothers' new house has required much hard work and ingenuity to create it into a respectable building with a fraternity atmosphere. The front room has been completely redecorated, creating a pleasant atmosphere for work-worn students; while further improvements are continuing throughout the house.

The brothers have also devoted their efforts to active participation in each of the I.F.C. sport activities. The fraternity teams have performed with a determined effort, and have demonstrated true fraternal spirit.

In being a well-rounded fraternity, Iota Kappa Phi entered the I.F.C. talent contest and the brothers were awarded a second place trophy.

As a culmination of their tremendous growth in all aspects of fraternity life, the brothers of Iota Kappa Phi have been presented with "The Most Improved Fraternity" award by the I.F.C.
President: Jeffery Tarantino
Vice-President: Martin Ames
Secretary: Ed Guididas
Treasurer: Ralph Chaiet
Social Director: Bob Gilchrist
Historian: Theodore Goldt
Pledge Master: John Lauher
Adviser: Mr. Shukur
Kappa Xi Kappa, NCE's newest fraternity, was founded a year ago, in January of 1965. Starting with a small group of dedicated Sophomores interested in promoting the ideals of fraternalism, scholarship, and service, Kappa Xi has grown until today it boasts a membership of forty-three brothers.

The brothers leased their present quarters at 151 Plane Street in January of '65, spending the semester break and hundreds of man-hours turning the three-story dwelling into a fraternity house. The spirit of the new group impressed many; within three weeks Kappa Xi Kappa had an Alpha Pledge class of nine, and shortly thereafter became active in many areas of college extracurricular activities as the brotherhood discovered its talents in that direction. The new group made application to the IFC during that first semester. After protracted litigation, the IFC honored the new house by placing it upon probationary status late last year.

Kappa Xi Kappa is active in all areas of college politics, publications, and athletics. Allowed to compete this year in IFC sports, the brothers surprised everyone by fielding a basketball team that became one of the league's best.

Socially, the house conducts mixers with sororities from the local colleges, as well as the regular Friday night open-house party. Special events and trips, during summer and winter, keep everyone's enthusiasm at a peak. The brothers are currently organizing a community service project, and hope to move into larger quarters over the summer.
President ........................................ Tom Reinhardt
Vice-President ................................. Milton Eckert
Secretary ...................................... David Stewart
Treasurer ...................................... John Bauerle
Historian ...................................... Frank Romano
Adviser ........................................ Prof. Goldberg
Phi Lambda Sigma is a new member of the interfraternity council and unlike other fraternities it boasts a system of pledging which stresses sound, constructive projects for the benefit of the individual, the fraternity, and the school. The brotherhood, now at approximately thirty, will be maintained at a small size in order to preserve the close and intimate ties among all brothers. Up and coming, Phi Lambda Sigma participates fully in all I.F.C. programs and yet maintains its individuality from other fraternities marked by the aforementioned qualities. Healthy growth and participation are the bywords at Phi Lambda Sigma.
President ....................................................... James Lynch
Vice-President ............................................... Ronald Lieblein
Secretary ...................................................... Raymond Hoffman
Treasurer ....................................................... Joseph Blazewicz
Adviser ........................................................ Mr. Karmen
The Beta Alpha Chapter of Pi Kappa Phi was established at Newark College of Engineering on May 28, 1948, when it became a part of the national fraternity. Pi Kapp, a fraternity of high ideals and purposes, has certain basic principles which the brothers earnestly try to uphold. They are: to uphold the traditions and ideals of the college, to encourage excellence in scholarship, and to implant in its members the highest ideals of Christian manhood and good citizenship.

Beyond supporting the college activities, the brothers have numerous other social events among which are: “The Rose Ball”, highlight of the fraternity’s social year, the Halloween party, New Year’s Eve party, Playboy party and Christmas party, just to mention a few. During the summer, the brothers of Pi Kappa Phi rent a house at the shore so that the fraternity is together twelve months of the year.

From its very beginning Pi Kapp was a fraternity filled with spirit and enthusiasm, and it is this true fraternal spirit which makes a Pi Kapp stand out from the everyday crowd as a “true man”.
Archon ........................................ Edward Klebaur
Treasurer ..................................... John Kirincich
Secretary .................................... John Lavery
Warden ....................................... Gerry Kurth
Historian ..................................... Joseph Chapski
Chaplain ...................................... Raymond Koch
Adviser ........................................ Prof. Fitzgerald
Looking back on Sigma Pi's forty-fourth year on campus, the brothers of Alpha Mu chapter have much of which to be proud. Since its inception Alpha Mu has tried to uphold the high standard of brotherhood, leadership and scholarship set by its founders. The chapter hopes that it has been able to uphold these standards during the past year.

In June 1965, Sigma Pi received the I.F.C. "Best Fraternity on Campus" award along with trophies for I.F.C. football, softball and bowling championships. The chapter also won awards for the "Outstanding Fraternity Pledge" and the "Scholarship Awards" for pledges.

Alpha Mu's social calendar was highlighted by the Orchid Ball, a formal dance, held this year at the Wayne Manor in Wayne, N.J. Some of the more popular parties of the past year were the Christmas Party, Polynesian Party, Toga Party, Halloween Party, and the Wild West Party.

In the field of social service Alpha Mu donated its services to the Boys' Club of Newark and to the Children's Shelter of Essex County. The chapter also ran the N.C.E. Blood Bank as well as participating in the I.F.C. book drive and the Alumni Association fund campaign.

The year of 1965-66 has been a very busy and fruitful one for Sigma Pi, and the fraternity hopes it will be able to participate in and contribute to N.C.E. life for many years to come.
Tau Delta Phi, with a brotherhood of fifty-two, has once again fared well in intercollegiate, intramural and interfraternity sports. Mike Skurla, captain of the bowling team, is pacing Newark College of Engineering to a winning season, while on the intramural level Arnie Waldman is slashing basketball scoring records left and right. Tau Delt also makes its presence felt in interfraternity sports, as they placed second in the touch football league and have an excellent chance of winning the basketball crown.

Socially, Tau Delt sponsors Friday night mixers and a variety of different themes for Saturday night parties. Aside from our traditional Parent's Night and Spring Formal, we have also sponsored an intercollegiate mixer which proved a great success.

Tau Delt has always been active in school politics, and this year boasts Vice-Presidents in both the Student Council and Sophomore Class, Treasurer of the Student Council, and President of the Freshman Class.

On an overall basis, Tau Delt has placed high in both Newark College of Engineering and National Tau Delt achievement. This position was gained—thanks to community service, scholastic honors, and active participation in NCE student affairs.

As you can see, Tau Delts are not a lazy group. Their enthusiasm in Newark College of Engineering, community, and national fraternity affairs has merited them the accolades which have been bestowed upon them.
Consul ............................................ Fred Holub
Vice-Consul ....................................... Dave Wiener
Scribe ............................................. John Fisher
Scribe ............................................. Joe Borg
Quaestor ........................................... John Krayesky
Alumni Scribe ..................................... Bernard Hamilton
Editor .............................................. Harry McCabe
Historian .......................................... Robert Stoltz
Steward ............................................ Pete Schkeeper
Custos .............................................. Bob Lombardo
Adviser ............................................. Dr. Estrin
Tau Psi Chapter of Tau Epsilon Phi is a subordinate part of Newark College of Engineering and thus its main function is to assist students by encouraging scholastic and social attainment on campus.

The brothers thus strive to fulfill the following: “To live in the light of friendship”; “To walk in the path of chivalry”; “To serve for the love of service”; and thus to practice each day the preceding three ideals.

The brothers participate in all I.F.C. activities which include sports and social functions. Outside these activities the brothers of Tau Epsilon Phi manage to find time to do things like taking orphans on picnics and collecting money for UNICEF as part of their community service program.

Our motto is discipline and our aim is cooperation.
In its first year as a chapter of a national fraternity, Kappa Eta Chapter of Tau Kappa Epsilon found success in its newly initiated programs. The new measures adopted with the transition from local to national status were not only successful in themselves, but also served as a unifying force which contributed to the improvement of the fraternity.

A new pledge period was adopted in September of 1965, and put into effect during the fall semester. While the essentials of pledge training remained the same, a greater emphasis was placed on the concept of the national fraternity. The pledges were also given more extensive training in regards to their responsibility toward the College, and the community. The result of this was a greater understanding of the principles and ideals of the fraternity, and a marked improvement in scholarship.

The format for fraternity meetings was changed to accommodate procedures specified by the National. Meetings became more formalized and as a result a greater amount of business was covered, and a greater closeness among the fraternity members, and a greater feeling of accomplishment.

Phi Beta Tau Fraternity, which was founded in 1943, became a chapter of Tau Kappa Epsilon on May 29, 1965. The transition from local to national, in general, fostered a greater fulfillment of the fraternity's goals and ideals. It brought a greater regard for the value of personal worth and character.
President Stan Grzybowski
Vice-President Craig Wunderly
Secretary Frank Grausso
Historian Steve Ohr
Treasurer Arnold Manaker
Sergeant-at-Arms Miles O'Brien
Chaplain Mike O'Brien
Pledge Master Chris Strand
Adviser Prof. Wasson
Unfortunately, Tau Lambda Chi has little to offer in terms of accomplishments during the previous year. The prime reason for this condition was a grave domestic problem caused by the absorption of two large successive pledge classes which brought the size of the brotherhood up to a staggering fifty. This situation promises to worsen before it improves for by June, 1967, when the next class of brothers graduates, the brotherhood of Tau Lambda Chi may actually number seventy or more. To temporarily accommodate such a rapidly expanding brotherhood, Tau Lambda Chi instituted a huge interior renovation and redecoration program last September which has thus far seen the “creation” of several new rooms and the beautification of the existing rooms.

However, Tau Lambda Chi is both quick and proud to point out that it sponsored the highly successful, inter-fraternity road rally last spring. The support and enthusiasm shown by the other fraternities on campus in the rally indicated that it should and will be an annual event at N.C.E.
| **President** | Charles Corley |
| **Vice-President** | Mike Horney |
| **Secretary** | Terry Bergen |
| **Treasurer** | James Malcolm |
| **Adviser** | Mr. Reilly |
Following its motto of "Alma Mater first and Theta Chi for Alma Mater," this fraternity is actively concerned with the development of well-rounded students. Scholarship, leadership, and social awareness are stressed by its members.

Citizenship is another important part of the fundamental objectives of Theta Chi. Development of the highest type of citizenship among its members is an ideal held by each chapter of Theta Chi.

On the local level, Epsilon Psi Chapter has done much to further all the ideas of Theta Chi. At a recent regional Theta Chi convention, Epsilon Psi received an award for outstanding achievement in furthering the fraternity ideals.
President: James Tosso
Vice-President: John McCormack
Secretary: Ronald Keller
Treasurer: Vince Minardi
Assistant Treasurer: Phil Rinaldi
Pledge Marshall: John Neyer
Historian: Albert Patterson
Chaplain: Norman Sturn
Librarian: Carl Beaucieu
First Guard: Ralph Trallo
Second Guard: James Ward
Adviser: Mr. Lieb
Adviser: Mr. Gordon
STUDENT LIFE
A company is known by its product

This famous slogan applies just as much to colleges and universities as it does to businesses and industries.

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ASME 3, 4; SAE 4.

Howard J. Gottlieb, Electrical Engineering
Ph-Delta Epsilon 3, 4—President 4; Tau Beta Pi 3, 4; ASME 3, 4; Christian Fellowship Club 1, 2, 3, 4—President, Vice President; Junior Varsity Soccer 1-2.

Richard S. Grabowy
Electrical Engineering
Phi Eta Sigma; IEEE 3, 4.

Dennis F. Grady, Mechanical Engineering
IEEE 3, 4.

Joseph G. Greca, Mechanical Engineering
Pi Delta Epsilon 3, 4—President 4; ASME 3, 4; SAE 4; Publications Council 3—Business Manager; Orbit 1, 2, 3, 4; Vectors 1, 2, 3, 4—News Editor, Associate Editor 4; Newman Club 1, 2; Kappa Xi Kappa 3, 4.

Philip Grossman, Industrial Engineering
AIIE 3, 4.

Edward R. Guididas
Electrical Engineering
IEEE 3, 4; Iota Kappa Phi 2, 3, 4—Pledge Master, Secretary 4.

Thomas J. Gurdziel, Civil Engineering
Phi Eta Sigma; Chi Epsilon 4; Arnold Air Society 3; ASCE 3, 4; Class Council 1, 2.

Stanley F. Hajbowicz
Electrical Engineering
IEEE 3, 4.

John D. Hajian, Mechanical Engineering
ASME 3, 4; Interfraternity Council 3, 4—Christian Fellowship 1, 2, 3, 4—Secretary-Treasurer 4.

James H. Hand, Chemical Engineering
Omege Chi Epsilon 4; Tau Beta Pi 3, 4; ACS 3, 4; AIChE 3, 4—Secretary 4; Class Council 1.

Philip M. Hapeman
Mechanical Engineering
Theta Chi 2, 3, 4.

Louis A. Hari, Electrical Engineering
Phi Eta Sigma; Eta Kappa Nu 4; Tau Beta Pi 4; Alpha Sigma Mu 3, 4—Commander 1; IEEE 3, 4—Newman Club 1.

Robert G. Heaton, Industrial Engineering
AIIE 1, 4; Class Council 4; Bridge Club 4.

Harvey J. Heir, Electrical Engineering
Class Council 2, 3, 4; Photo Club 2, 3; Tau Epsilon Phi 1, 2, 3, 4.

Philip L. Helmer, Mechanical Engineering
ASME 4, 4; Alpha Phi Omega 1, 2—Secretary, President.

Douglas J. Hennessy
Electrical Engineering
IEEE 2, 3, 4.

Michael T. Henry, Mechanical Engineering
ASME 3, 4; Class Council 1, 2, 3; Nucleus 3, 4—Theme Editor; Sigma Pi 2, 3, 4; Interfraternity Council 3, 4.

Paul S. Herklots, Electrical Engineering
Edward Hillis, Electrical Engineering
IEEE 3, 4; Alpha Sigma Mu 3, 4.

Richard H. Hock, Electrical Engineering
Phi Eta Sigma; Eta Kappa Nu 3, 4; Tau Beta Pi 4; IEEE 3, 4—Section Representative; Pi Kappa Phi 1, 2, 3, 4.

Randolph J. Hoffmann
Electrical Engineering
Barry J. Holland, Electrical Engineering
IEEE 4; Alpha Phi Omega 2, 3, 4; Intramural Paddleball.

Edward P. Holley, Mechanical Engineering
Walter R. Holman, Industrial Engineering
Phi Psi Mu 3, 4—President 4; Tau Beta Pi 3, 4; Who's Who 4; AIIE 2, 3, 4; Student Council 2; Intramural Basketball 4, Softball 4.

Fred J. Holub, Industrial Engineering
Who's Who 4; AIIE 2, 3, 4—Feedback Editor 4; Student Council 3, 4—Corresponding Secretary 3, Recording Secretary 4; Class Council 2; Tau Delta Phi 1, 2, 3, 4—Corresponding Secretary 2, Treasurer 3, President 4.

Ronald C. Holzhauer
Electrical Engineering
Phi Eta Sigma; Pi Tau Sigma 4; ASME 3, 4.

Arkadij Honczarenko
Mechanical Engineering
ASME 4.

Jeffrey S. Horowitz
Mechanical Engineering
Phi Eta Sigma; Tau Kappa Nu 3, 4—Corresponding Secretary 4; Tau Beta Pi 3, 4; Honor Societies Council 3, 4—Secretary 4; ASME 3, 4—Section Representative.

Robert J. Horutz, Civil Engineering
ASME 3, 4; Rod and Gun Club 1, 2, 3, 4—Vice President, Treasurer.

Matthew A. Husson, III
Electrical Engineering
Eta Kappa Nu 4; Tau Beta Pi 4; Arnold Air Society 4; IEEE 3, 4; AFROTC Commander 4.

Roger P. Hynes, Mechanical Engineering
ASME 4.

Benjamin F. Ilgen, Mechanical Engineering
Class Council 1, 2, 3—Treasurer 1; Judo Club 4; Alpha Sigma Mu 1, 2, 3, 4—House Chairman 4; Interfraternity Council 1, 2, 3.

Ronald M. Jacobowitz
Electrical Engineering
IEEE 2, 3, 4; Intramural Softball 3.

Peter R. Jansons, Electrical Engineering
Soccer Team 2, 3.

Peter A. Jaroszewski, Civil Engineering
ASCE 3, 4.

Alan J. Johansen, Electrical Engineering
J. H. Johnson, Electrical Engineering
IEEE 2, 3, 4; Intramural Basketball 1.
Roy R. Johnson, Electrical Engineering

Daniel R. Kahn, Chemical Engineering
Phi Eta Sigma; Omega Chi Epsilon 4; Tau Beta Pi 3, 4—Secretary-Treasurer; IEEE 3, 4; AIEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Allan L. Kaminsky, Mechanical Engineering
Eta Kappa Nu 4; Tau Beta Pi 4—Secretary-Treasurer; IEEE 4; Class Council 2, 4; Intramural Bowling 1.

John G. Kirincich, Electrical Engineering
Georgia Alpha Pi 4; Phi Kappa Phi 4; IEEE 4; Class Council 2, 4—Secretary-Treasurer; IEEE 4; Class Council 2, 4; Intramural Bowling 1.

Joseph W. Kirschner, Mechanical Engineering
Eta Kappa Nu 4; Tau Beta Pi 4; IEEE 4; Class Council 2, 4—Secretary-Treasurer; IEEE 4; Class Council 2, 4; Intramural Bowling 1.

Gary A. Kosvic, Mechanical Engineering
Phi Kappa Pi 3, 4; Phi Lambda Sigma 3, 4; ASME 3, 4—Secretary-Treasurer; IEEE 3, 4; Class Council 3, 4; Intramural Bowling 1.

Robert L. Kisker, Mechanical Engineering
Phi Eta Sigma; Pi Tau Sigma 4; ASME 3, 4; Class Council 2, 4—Secretary-Treasurer; IEEE 4; Class Council 2, 4; Intramural Bowling 1.

John H. Komorowski, Electrical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

George M. Kolchak, Mechanical Engineering
Phi Eta Sigma; Pi Tau Sigma 4; ASME 3, 4; Class Council 2, 4—Secretary-Treasurer; IEEE 4; Class Council 2, 4; Intramural Bowling 1.

Steve Kutch, Mechanical Engineering
Bradley University College of Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Matthew J. Ladaolotta, Electrical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Donald Lagousker, Electrical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

David C. Langhier, Electrical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Charles L. Larocca, Electrical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Emma W. Lawrence, Mechanical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

John L. Latona, Mechanical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Arthur V. Larson, Chemical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

William J. Latona, Electrical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Loren G. Lauterbach, Mechanical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Robert C. Lehrer, Mechanical Engineering
Alpha Sigma Mu 3, 4; ASME 3, 4—Secretary-Treasurer; IEEE 4; Class Council 2, 4; Intramural Bowling 1.

Paul G. Leisentritt, Industrial Engineering
IEEE 3, 4; ASME 3, 4; Class Council 2, 4; Intramural Bowling 1.

Richard D. Lerner, Chemical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

I. Henry Lewis, Jr., Electrical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Edward K. Llewellyn, Jr., Electrical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Robert L. Lisker, Chemical Engineering
Omega Chi Epsilon 4; ACS 3, 4; Class Council 2, 4; Intramural Bowling 1.

Robert E. Lutolf, Electrical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Francis C. Lutz, Civil Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Arthur B. Lovell, Electrical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Robert E. Lutolf, Electrical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Francis E. Lynch, Mechanical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

James P. Lynch, Mechanical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

James P. McDonald, Mechanical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Vincent P. McGinn, Industrial Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Nicholas Maciejewicz, Civil Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.

Barbara A. Kreitz, Mechanical Engineering
IEEE 3, 4; Class Council 2, 4; Intramural Bowling 1.
Frank E. Wint, Mechanical Engineering
ASME 3, 4.

Richard A. Wirtz, Mechanical Engineering
Phi Eta Sigma; Tau Beta Pi 4; ASME 4; Nucleus 3, 4; Newman Club 1; Intramural Basketball 1, 2; Sigma Pi 1, 2, 3, 4.

John R. Wojnas, Jr., Industrial Engineering
AIIE 2, 3, 4; ASME 3, 4; SAM 4; Audio Club 3, 4.

Roy A. Wood, Electrical Engineering

Myron S. Worobec, Industrial Engineering
AIIE 4; Chess Club 1, 2, 3, 4; Ping Pong Club 1, 2, 3, 4; Varsity Club 1, 2, 3, 4; Athletic Association Council 1, 2, 3, 4; Intramural Volleyball Director 1, 2, 3, 4; Soccer Team 1, 2, 3, 4—Co-Captain 4; All-American 3, N.J.-Pa.-Del. Representative 3, 4; Intramural Basketball 1, Volleyball 1, 2, 3, 4.

George Woytowich
Mechanical Engineering
ASME 1, 2, 3, 4; SAM 3, 4; Class Council 3, 4; Nucleus 3, 4; Rod and Gun Club 2; Intramural Softball 1, 2, 3.

Peter Wramp, Chemical Engineering
Omega Chi Epsilon 4; AIChE 3, 4; ACS 3, 4; Chairman of Student Council Ring Committee 2; Vector 1, 2, 3, 4; Fencing Team 3.

Craig Wunderly, Mechanical Engineering
ASME 4; Class Council 1, 2, 3; Track Club 1, 2; Ski Club 1, 2; Track Team 2, 3—Co-Captain 3; Tau Kappa Epsilon 1, 2, 3, 4—President 4.

James J. Yellen, Civil Engineering
ASCE 3, 4.

Ronald T. Yutko, Mechanical Engineering
ASME 4; SAE 3, 4; IFC Basketball 4; Softball 4; Kappa Xi Kappa 3, 4.

Paul R. Zabriskie, Civil Engineering
ASCE 3, 4; Rod and Gun Club 3, 4.

Dennis E. Zaccardi, Electrical Engineering
IEEE 3, 4.

John G. Zanin, Mechanical Engineering
ASME 3, 4; Class Council 3, 4.

Dan B. Zeitlin, Electrical Engineering
IEEE 4; Class Council 4—Computer Party Committee Publicity Co-Chairman, Senior Weekend Committee Publicity Chairman, Graduation Committee Diploma Designer; Orbit 4—Artist; Vector 4—Artist; Radio Club 2; Judo Club 4; Pi Lambda Phi 1, 2, 3, 4.

Terry R. Zuckerman
Chemical Engineering