

The Technician

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Eight Pages This Issue



President Bill Lucas talks to Mr. Jafar Hoomani, winner of the Phi Eta Sigma award. At right is Secretary Tom Sharpe.

Hoomani Honored By Phi Eta Sigma

Teaching assistant Jafar Hoomani of the North Carolina State College Mathematics Department has been named the recipient of the Phi Eta Sigma Outstanding Faculty Member Award for the year 1959-60. This award, initiated this year by Phi Eta Sigma, is designed to recognize outstanding teaching at the freshman level. The members of Phi Eta Sigma from last year's freshman class sought to choose the faculty member whom they felt had contributed most to their education during their freshman year.

Mr. Hoomani and his wife are residents of Raleigh, living at 1409 Beaverdam Road. He is originally from Teheran, Iran, but came to Raleigh in 1954 to attend N. C. State College. After receiving a Bachelor of Chemical Engineering degree

from State in 1957, he joined the Mathematics Department as a graduate assistant in the fall of 1957, serving in this capacity until 1959 when he obtained his Master's Degree in Applied Mathematics. In the fall of 1959, he became an instructor in the Mathematics Department while beginning work on his Doctorate in Applied Mathematics, toward which he is still working. At present he is serving as a teaching assistant in the Mathematics Department.

Mr. Hoomani was initiated into Phi Eta Sigma as an honorary member at the regular spring initiation ceremonies held Tuesday night in Danforth Chapel on the State campus. He and his wife will be honored guests at the annual spring banquet of Phi Eta Sigma to be held March 17, at Balentine's in Cameron Village.

'I'M Going To Next Photoscope Meeting'



Elf-Like Madren Taps St. Pat Order Knights Engineering Seniors

Nineteen outstanding engineering seniors at North Carolina State College have been knighted into the Order of St. Patrick in colorful, traditional ceremony at the institution.

In addition, 16 outstanding engineering freshmen were dubbed Companions of St. Patrick, one of the highest honors bestowed upon first-year engi-

neering students.

The Order of St. Patrick, honorary leadership fraternity, was named for the legendary saint who, in chasing the snakes from Ireland, "invented the first worm drive" and thus became the patron saint of engineers all over the world.

Reigning over the ritual held during intermission at the an-

PR's Hold Meeting; Obtain Uniforms; Give Shoulder Cords

At the monthly meeting of the Pershing Rifles held Tuesday night, the thirty new brothers of Company L-4 received recognition for their semester of long, hard work. They finally received their blue and silver shoulder cords and membership ribbons. To many of the new brothers, the occasion was a reminder that the hard work to earn the shoulder cord was past them, but it was also a reminder that the task of honoring the shoulder cord and what it stands for was still before them.

Several other interesting matters were discussed at the meeting. The brothers were glad to hear that their new drill uniforms had finally arrived. Soon, students at State College will see Pershing Riflemen on campus in even fancier and more eye-catching uniforms than their well-known red uniforms. There will not be a chance for the brothers to wear the new uniforms as a unit until the Regimental Drill Meet at Fort MacPherson, Georgia, on May 5 & 6.

The drill meet will be the last major performance for the crack drill platoon in the current school year. But several other events are planned for the next two weeks. On Thursday the Marching Sergeants will present a short show in fancy drill manuals for the deputy commander of #3rd Army, who will be here at State College. Another event planned by the crack drill platoon is a saber guard at the Military Ball. Members of the platoon will form a saber guard for the sponsors and their escorts as they enter the ballroom to form the figure. With the conclusion of the Regimental Drill Meet, the Pershing Rifles at State College will have completed one of their most successful years.

Annual St. Pat's Dance was Frank Madren of Elon College, president of the Engineers' Council. Attired in a gay Irish costume, replete with pointed cap and shoes and flowing green sash cape, he knighted the honor students chosen for their scholastic and leadership records.

Knights of St. Patrick included:

Samuel J. Blackwood, Chapel Hill; Robert Cooke, Huntersville; James R. Currie, Hickory, also named the Outstanding Engineering Senior; Charles A. Davis, Brevard; Robert S. Gidney, Jr., Shelby; James W. Keistler, Jr., Great Falls; William W. Kelly, Winston-Salem; Walter J. Lackey, Jr., Fallston; Harvey G. Lanier, Maple Hill; Sidney E. Lee, Pelham; Frank S. Madren, Elon College; David J. Payne, Greenville; Charles A. Richardson, Rockingham; Charles L. Sanderson, Erwin, Tenn.; Eric E. Smart, Raleigh; Nelson B. Stall, Newport News, Va.; Lewis A. Williams, Charlotte; Samuel L. Winchester, Greenville; and C. Alvin Yorke, Concord.

Named Companions of St. Patrick were:
Edward J. Mack, Wilmington;

'Merchant Of Venice' Slated For Friday Night Production

Players Incorporated, the longest-running national classic repertory theatre in the United States, will present Shakespeare's Merchant of Venice in the North Carolina State College Union Ballroom on Friday, March 17, at 8 p.m.

The 1960-61 season marks an even dozen years in which Players Incorporated has been leading the field of touring theatrical repertory. Working out of Washington, D. C., this company brings two sparkling productions of the world's greatest plays to areas where New York companies never penetrate, and has become the longest running classical repertory company in the United States in the twentieth century.

For seven months, beginning in October, 1960, this 12th sea-

son of theatre-on-the-move will be the business of Players. They will travel approximately 35,000 miles playing in 35 states in the eastern, midwestern and southern sectors of the country, to new audiences as well as to old friends on their established circuit.

Affiliated with the Speech and Drama Department of the Catholic University of America, Players is an independent corporation. Nearly all its personnel have been trained in a school that has sent a steady stream of actors, directors, technicians, playwrights, original shows and even a drama critic to Broadway.

The idea that eventually became Players Incorporated came to Father Hartke, Head of the Speech and Drama Department

at Catholic University, who saw in a touring company the answer to a two-fold need: a way to bring good productions of theatre classics to places that might never see them (or at least see them done well), and a way for his graduating students to apply their skills and talents for which they had just been trained.

Public response to the pioneering company was enormous, and what was launched from thin air as a seemingly hopeless trial balloon has now become 12 years of smooth and steady sailing for the non-profit theatrical company. In eleven seasons Players has given over sixteen hundred performances of Shakespeare's Much Ado About Nothing, King Lear, Macbeth, Twelfth Night, Loves Labours' Lost, Othello, Julius Caesar, Henry IV (Part I), Romeo and Juliet, The Taming of the Shrew, The Comedy of Errors, as well as the major works of Shaw, Moliere and Sophocles. Each of these shows is performed with a company of fifteen members, whose popularity is evidenced not only by the number of bookings they play but by the number of requests for re-engagements they receive from one year to the next.

Not only has Players "caught on" in this country, but they have made seven trips abroad in behalf of the Department of Defense, playing to U. S. forces in France, Italy, Western Germany, Austria, Italy, Korea, Japan and the Arctic Circle.

In the spring of 1959 the troupe made its off-Broadway debut in New York with a limited four-week run at the Carnegie Hall Playhouse where they scored an outstanding success. The critical and public acclaim led to their network television debut on CBS' Lamp Unto My Feet.

Players has further expanded its operations from the touring company. They operate two summer theatres: St. Michael's Playhouse in Winoske, Vt., (10 seasons), and at Olney, Md. (8 seasons).

The hardships involved in launching the company are soon forgotten when one remembers the rich rewards of triumphant touring each year as plans for the next season zoom forward. Players Incorporated has revived the American theatre tradition of the road company and has helped make the living stage alive again.

Free Gazebos

The College Union Theatre Committee has purchased 125 seats to this Sunday's performance of "The Gazebo" at the Raleigh Little Theatre . . . on Pogue Street, 3 blocks north of the College Union. These tickets will be distributed free to State students and their dates on a first-come-first-serve basis from 4 until 8 p.m., this Thursday, March 16, and Sunday, March 19, from 4 until 5 p.m.



The young lovers in "The Merchant of Venice" are played by Carol Keefe and John Knight in the new Players Incorporated production of the Shakespeare classic.

Aycock Guest Speaker At PKT Carnation Ball

Chancellor Aycock Welcomed Back

Chi chapter of Phi Kappa Tau social fraternity is delighted to welcome back Chancellor William B. Aycock of the University of North Carolina as guest speaker for the Phi Tau Carnation Ball on March 18. Chancellor Aycock is a graduate of N. C. State College and a distinguished alumnus of Chi chapter.

The weekend of March 17 is the big weekend for the Phi Tau all over the nation. All the Phi Taus will be having Carnation Balls to celebrate the founding of Phi Kappa Tau as a fraternity on March 17, 1906. The gala festivities of the

weekend for the Phi Taus at State will begin Friday evening with a party at the fraternity house. On Saturday afternoon the Brothers and their dates will be entertained at an outdoor concert. Saturday evening will begin with a banquet at the Plantation Inn. Chancellor Aycock will be the guest speaker at the banquet. The Chapter Sweetheart will then be presented to the Brothers and their dates. After the banquet will follow the formal dance with music furnished by Leon Jordan.

With the ending of the dance, the festivities of the weekend will gradually come to an end for the Phi Taus, but the memories will not be forgotten.

Henry G. Davis, Goldsboro; Hugh W. Woods, Raleigh; Karl S. Gaskin, Charlotte; Pablo F. Schick, El Retira, Caracas; William E. Lewis, Greenville; Wallace T. Grey, Jr., Ahoskie; Jack O. Watson, Greensboro; Billy L. Wortman, Morganton; Edward

Gray, Spartanburg, S. C.; Wayne H. Linville, Winston - Salem; Jeffrey M. Arey, Statesville; Howard B. Rutledge, Arden; Larry Stikeleather, Stony Point; Kirby L. Ball, Thomasville; and Francis J. Buckley, Jr., Hendersonville.

Support Needed From Many Angles

Last fall, there were editorials and articles written in *The Technician* concerning State College's cheerleading squad. We did not feel that our cheerleaders measured up to the other cheerleaders at the seven other Atlantic Coast Conference schools.

After some discussion and debating, a new cheerleading squad was chosen. The new squad performed very well with the little experience they had. They also had the backing of the students . . . something the old squad did not.

We recommended to the Student Government that the head cheerleader be chosen during the campus elections held in the spring. We felt that this would help promote interest among the cheerleaders. We also felt that the student body should have a say in whom they preferred for the job.

We have not heard whether the Student Government plans to run this position on the ballot or not. We hope that they will.

We also feel that there is a need for more support from the Student Activities Office in helping the cheerleaders out during the year. We know for a fact that the Athletic Department had to loan station wagons to the cheerleaders during the basketball season in order that they might have transportation to and from the games.

We feel that it is the Student Activities place to find transportation for these students, and not the Athletic Department's. We know that the Athletic Department has some money in their budget for these cheerleaders as far as uniforms, megaphones, and other incidentals are concerned, but we do not feel that the college should have one of the coaches in charge of selecting and more or less looking after these students.

Coaches have a full time job, and they should not be concerned with the cheerleaders welfare.

We hope that the Student Government and the Student Activities Office will look into this matter and examine it carefully.

We would also like for the Student Government to look into the possibility of having two different cheerleading squads . . . one for football season and one for the basketball season. The head cheerleader elected in the campus election would be in charge of both these squads.

By having two different squads, there would be more opportunity for a student to make the squads. Some students can not devote the entire year to the squad because of the time that it entails. Thus, they could try out for the one that they desired most. If they wanted to try out for both squads, and they were good enough to make both, then they could serve on both.

It is about time that the cheerleading program was catching up with the athletic program. It is going to take the work of the Student Government and the Student Activities Office to make this possible.

We feel that the cheerleaders who took charge during the basketball season did a wonderful job and should be commended. Some of these students who are returning next year should also consider the possibility of running for head cheerleader.

With a little more experience they could give any other cheerleading squad in the conference a good battle. However, they must have the support of the Student Government, the Student Activities Office, and the student body. We hope that they will obtain this goal soon.

The Technician

Thursday, March 16, 1961

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Noted Mit Physicist Speaks To Junior Science Symposium

Highlight of the 1961 North Carolina Junior Science Symposium was the keynote address by Dr. Jerrold R. Zacharias, noted physicist and educator from Massachusetts Institute of Technology, in the Nelson Textile Auditorium at North Carolina State College Wednesday, March 15, at 8 p.m.

Governor Terry Sanford introduced Dr. Zacharias, whose topic was "Atoms and All That". The address was open to the public.

Also on Wednesday Dr. Zacharias held a conference with Governor Sanford and attended a dinner at the State College Union at which State College Chancellor John T. Caldwell hosted.

The 1961 North Carolina Junior Science Symposium opened Wednesday morning at Page Auditorium, Duke University.

A total of 180 high school sophomores and juniors and 45 high school science teachers from 74 schools in the Tar Heel State will attend the three-day program.

SCIENTISTS TALK

Symposium conferees will attend morning sessions on successive mornings at Duke University, North Carolina State College, and the University of North Carolina. At the morning sessions conferees will hear lectures by scientists on the faculties of the host schools. Three student conferees will read original science papers at each morning session.

On Thursday evening symposium participants gathered at the Woman's College Auditorium on the East Campus of Duke University to hear Dr. Harry L. Levy, dean of students at Hunter College, New York City, speak on "The Humanities in the Education of the Scientist."

Following Dr. Levy's address, the "Curbstone Clinic" was held. Scientists who will represent all areas of science will be on hand to answer career and technological questions from symposium conferees.

Two members of the State College faculty were on the "Curbstone Clinic" panel. They are Dr. Walter J. Peterson, dean of the graduate school, and Dr.

John W. Cell, head of the Department of Mathematics.

The Thursday morning assembly was held at State College. Chancellor John T. Caldwell officially welcomed the conferees to State College. Following the chancellor's welcome there was a schedule of lectures.

FORMER CHANCELLOR

Dr. Carey H. Bostian, professor of genetics, spoke on the topic "Genetics and the Nature of Life."

Dr. Herbert Speece, professor of education and mathematics, who is also representative to the North Carolina Academy of Science, discussed the North Carolina Science Talent Search Program.

Dr. John A. Yarbrough, secretary-treasurer of the North Carolina Academy of Science, discussed North Carolina's program of science fairs.

Also on Thursday morning three symposium participants read science papers. They were Miss Betty Ruth Johnson of Needham - Broughton High School, Raleigh, whose topic was "Maintaining Profitable Woodlands"; Charles V. Kling of Washington High School, Washington, N. C., whose subject was "Lubricating Qualities of Graphite at Various Altitudes"; and Paul Zigler of Needham - Broughton High School, who read his paper on "Study of the Parasites of *Rena Pipiens*."

The Friday (March 17) morning session will be held at the Morehead Planetarium at the University of North Carolina.

In addition to the Wednesday evening and Thursday morning programs, State College will be host to a separate sub-division of symposium conferees on each of the three days of the symposium. The students and teachers will visit the College's nuclear reactor, they will observe research demonstrations in soils and plant pathology in the School of Agriculture, and they will attend demonstrations and hear discussions of rocket fuels and propellants in the School of Engineering.

VISITING HELD

The three sub-divisions are visiting State College, UNC, and Duke University in turn during

the three afternoon sessions of the symposium.

All demonstrations and programs are geared to meet the needs and curiosities of high school sophomores and juniors. Technical demonstrations at the three schools are being conducted by professors and graduate students on an informal basis.

The 1961 Symposium is sponsored by the North Carolina Academy of Science and the Army Research Office—Durham. This will be the third such symposium conducted in the Tar Heel State. Earlier ones were held in 1958 and 1959.

STATE ACTIVE

Henry A. Shannon, professor of education at State College, is chairman of the State College program committee, as well as being a member of the executive committee to plan the symposium.

Serving with Professor Shannon on the State College program committee are Dr. Wesley Doggett, professor of physics;

Robert Sullivan, Social Chairman. Art Latimer will again represent Sigma Nu as a member of the Interfraternity Council.

The officers, whose terms ended Monday night, deserve much recognition for the fine jobs they all turned in since taking office last March. Especially missed will be the leadership of the outgoing officers who are being graduated in June.

The elections in the chapters is a prelude to the campus wide elections to be conducted in a couple of weeks. I am sure that a number of houses have members who are politically inspired and who would make outstanding campus leaders. It would be good for those men who are planning to run for offices, not only in the IFC, but in the various other campus organizations as well, to begin now in soliciting the support of fellow fraternity men on campus so that the votes of the State Greeks might have a profound effect on the election of the most qualified men to positions of campus leadership.

Financial Aid Programs Supports Many Students

More than one third of North Carolina State College's 6,510 students shares in \$1½ million of financial aid which includes scholarships, loans, fellowships, and self-help employment.

Announcement of the financial assistance for the current academic year was made today by the college's Financial Aid Office.

The college has awarded 476 scholarships valued at \$191,438 and this amount was supplemented by \$68,869 in scholarships aid from outside agencies helping an additional 180 undergraduate students.

Long-term loans, chiefly from National Defense Student Loan Program funds, were provided for 412 students who borrowed a total of \$171,643.

In addition, 162 students received \$162,562 from athletic awards.

This year graduate students hold 70 fellowships with a total value of \$180,567 and 307 assistantships of various kinds and sizes amounting to \$702,231.

An additional number of grad-

uate students borrowed to supplement their other resources, according to the Financial Aid Office.

Approximately 200 State College students and their parents participate in installment financing programs or arrange for long-term loans from both commercial agencies and non-profit organizations or foundations.

Also, from 1,200 to 1,500 students earn approximately \$315,000 from part-time jobs exclusive of graduate assistantships.

Looking toward the 1961-62 academic year, the Financial Aid Office has received 600 "Talent for Service" Scholarship applications from North Carolina high school seniors who plan to enroll at State College in September.

The annual "Talent for Service" Scholarship Program is the main means for providing aid to entering freshmen. Last year, the college offered more than \$75,000 as scholarships and

Seniors Planning To Teach Must Take Examinations

News Release

North Carolina State College seniors preparing to teach will be required to take the National Teacher Examinations on April 15, it was announced today. This requirement is based on a resolution passed by the 1959 General Assembly which makes the tests mandatory for all college seniors in the State who apply for a North Carolina teaching certificate.

The examinations will be given at State expense as part of a statewide study of teacher preparation being made by the State Board of Education. Other groups required to take the tests include experienced teachers who are currently upgrading or changing their certification.

State College seniors can most conveniently take the tests at Withers Hall (Chemistry Building), on the State College Campus. This is a change of place from that earlier announce-

ed for the testing at the State College Center. However, the tests can be taken at any of the 21 testing centers in the State.

Applications to take the tests, and bulletins describing them, are now available. They may be obtained at the School of Education Office, 119 Tompkins Hall or at 201 Holladay Hall. Seniors should register for the examinations promptly. The deadline for applications is March 24. Seniors taking the examinations on April 15 will receive their scores directly from Educational Testing Service without paying any fee. The Service, located in Princeton, New Jersey, is a non-profit agency which is conducting the testing phase of the State Board of Education's study of teacher preparation. Scores will automatically go only to the seniors themselves and to the Executive Director of the State Board's committee concerned with teacher preparation. However,

seniors will be advised to release their scores to their colleges for institutional research purposes.

At the April 15 testing, seniors preparing to teach will take the Common Examinations which include tests in professional information, general culture, English expression, and nonverbal reasoning. In addition, they will take one or two of the 13 Optional Examinations offered, if there are Optional tests available in their teaching fields. Each Optional Examination is designed to measure mastery of subject matter taught in certain elementary school grades or in high school.

Scores earned on the April 15 examinations will have absolutely no effect on a senior's certificate or employment. The scores obtained in this research project will not be made available to the State Department of Public Instruction's certification office or to local Superintendents of Schools. Seniors may use the

test results to evaluate their own strengths and weaknesses, to guide their professional reading and study, and to plan for graduate work.

The tests are being given under the general direction of the Committee of the State Board of Education set up to do research on the quality of teacher preparation. The Committee is headed by Dr. R. R. Morgan, Mooresville superintendent, and its Executive Director is Dr. W. J. Scott. The Committee membership includes Mrs. Carolina G. Hamrick of Raleigh; Mr. C. J. Barber, Past President of the N. C. Education Association; Miss Lois Edinger, President of the N. C. Education Association; Dr. Hugh Holman, Head of the English Department at the University of North Carolina; and Dr. Kenneth Howe, Dean, School of Education at Woman's College.

PKT's Hold Retreat At Southern Pines

Chi chapter of Phi Kappa Tau social fraternity held a retreat in Southern Pines, N. C., this past weekend. The purpose of the retreat was to give the Brothers an opportunity to seriously analyze the problems facing the fraternity and to help solve these problems.

The retreat was held at the Hollywood Hotel in Southern Pines to get away from the distractions of campus life. Accompanying the fraternity brothers on the retreat was Rev. Rod Reinecke, the Episcopalian

Chaplain at State College. Rev. Reinecke opened the first session of the retreat and offered guidance in the methods of self-analysis throughout the weekend.

The first session began at 2 o'clock on Saturday afternoon and continued until the dinner break. The second session began Saturday evening, and the third session followed on Sunday morning. This retreat will be very meaningful to the Phi Kappa Tau's because much insight into ways to better the chapter was obtained.

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Chancellor Caldwell Active In Many Organizations

By Roger Faulkner

It is gratifying to know that the office of Chancellor is occupied by a man who is robust, aggressive, most intelligent, and fascinating to meet.

Chancellor John T. Caldwell, a native of Yazoo City, Mississippi, is a graduate of Mississippi State College, has received Master of Arts degrees from Duke and Columbia Universities, and earned his Ph.D. at Princeton University.

A major in Political Science, Dr. Caldwell had attained Associate Professorship of Political Science at Vanderbilt University by 1947.

During the war years, 1942-46, he was an officer in the U. S. Navy, eventually holding the rank of Lieutenant Commander.

The Chancellor has been President of both Alabama College and the University of Arkansas. Although he has given up many other activities in favor of the demands made upon him in the operation of this college, he is still quite active in many organizations.

Dr. Caldwell is a member of the executive committee of the American Association of Land Grant Colleges and State Uni-

versities. This organization is composed of members of the sixty-eight land grant colleges and state universities, and operates to bring about the greatest public benefit from the various institutions.

He is also a member of the committee of Federal Relations of the American Council of Education. The Council brings together the many different areas of higher education in the United States, such as state universities, church supported schools, private colleges, technical schools, etc.

Chancellor Caldwell states that N. C. State is quite important in the nation and that in a number of our programs, we rank among the highest in the nation and the world.

We have a broad mission, says Dr. Caldwell, and we are still in the process of finding ourselves in terms of the level of student body which we should attempt to serve. We have moved decisively in the honors program to provide a challenging situation for the ablest student who may come here.

The Chancellor believes that

although our admission requirements are rising, they are still relatively low by comparison with such institutions as the University of California, Cal Tech, and M. I. T.

To quote the Chancellor, "Although we will continue to raise standards of admission and stiffen academic requirements, this will be done gradually. We need to recognize that nothing less than excellence in thinking is the imperative need of this country, and that N. C. State cannot even serve the citizens of North Carolina with maximum effectiveness unless it serves the national imperative."

"North Carolina State College is a thoroughly contemporary institution in what it does and what it aspires to do. We have reason to be proud that two hundred forty seven students from outside the United States came to this college this year."

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STATELINE

By
EARL MITCHELLE

The State baseball season opens Monday with an intersectional meeting with Dartmouth. Coach Vic Sorrell had several major problems facing him before the practice sessions got underway in February.

The first big problem confronting him was the finding of replacements for his vacant outfield. All of the starting outfielders from last year's team were seniors and, of course, can't play this year. Neal Eason, Bernie Latusick, and Jim Story, the three that patrolled the fences for Sorrell last year graduated leaving three big holes in the Pack lineup.

With some big switches in the lineup, Coach Sorrell thinks that he has solved the problem of the missing outfielders. Sorrell plans to move veteran catcher Ray Perry to the outfield and he also plans to move either Don Montgomery or Jerry Cordell to the outfield. Both of these boys are sophomore candidates for the job of first baseman. With two positions filled, Sorrell needed only one more starter. This time he dipped into Coach Earle Edwards' grid camp and came up with All-American footballer Roman Gabriel. Now, Sorrell hopes that he has the outfield question settled.

The next task facing the State diamond mentor was the search for pitching support for Joel Gibson and Wilson Carruthers. This second problem appears to have solved itself. Sorrell announced that he will have two additions to the hurling staff from the junior college ranks. Two juniors, Bob Conners of Wilmington Junior College and Jerry McIntosh of Wingate Junior College, appear to be the help that Coach Sorrell was looking for. Both of these boys had good years on the mound last year. With problem number two behind him, Sorrell turned his attention to the problems of early practice.

Starting practice in the middle of February was just asking for trouble in the form of bad weather. So far, the bad weather problem has not been too much of a slow-down factor in the early season development. The diamond men have had good weather just about every practice day with a few exceptions. The weather has been so cooperative that the team is way ahead of previous State's teams at this point in the season. Sorrell feels that State has shown much more progress than any State team has shown in the last six years.

Another factor that may plague the State team in the early part of the season is the lack of early games. State starts the season before any of the other ACC schools do, but the Pack will not get the benefits of a southern tour during the Easter holidays. The other schools of the Big Four are planning such tours. Sorrell feels that the key to a good season is the playing of a lot of games. According to Sorrell's theory, the other members of the Big Four should be in good shape for the opening of the ACC contests.

There is another side to this question as far as State is concerned. State will play their first seven games at home before they face Carolina. This absence of traveling may prove to be a good thing in disguise. The Wolfpack will have the advantage of the home field and they won't be worn down by traveling when they face their first conference foe. This may help to compensate for the experience that they might get from playing a lot of games at the first of the season.

With all the problems of pre-season practice just about taken care of, Coach Sorrell must now turn his attention to the questions at hand. Can the Wolfpack finish higher up in the league standings than they did last year? Can they win the ACC title? These questions can not be answered specifically at this time, but Sorrell has some answers that he hopes are the right ones.

The conference race this year is going to be a dog-eat-dog type of race. Carolina, Duke, Wake Forest, State, and Clemson are all rated as good prospects to win the title. The other three teams, Maryland, Virginia, and South Carolina, are expected to be improved over last year's teams. In order for one of the eight to win the title, they are going to have to put forward with the maximum of effort.

State Opens Diamond Slate With Dartmouth Here Monday

By Earl Mitchellle
Sports Editor

N. C. State opens its 1961 baseball season Monday afternoon against Dartmouth on the State diamond. The Pack nine, under the direction of Coach Vic Sorrell, hope to better their third place finish in the ACC last year.

Last season, the Pack won 12 games during the season while dropping eight decisions. In conference play, State won nine games and lost five and this was good enough for a third place in the final standings. The Wolfpack had a very good chance to win the ACC title up until the last loop game, but they lost their chance when they dropped the final contest.

Outfield Troubles

The big problem facing Coach Sorrell when he opened drills in February was to find replacements for the fine trio of outfielders who graduated. Sorrell thinks that he has solved this problem, but he will have to wait until Monday to find out how well he has solved the problem.

Neal Eason, Bernie Latusick, and Jim Story all were lost by graduation and they left Sorrell in trouble as far as the outfield was concerned. According to Sorrell, Ray Perry, who was the Pack's top catcher last year, will probably move to the outfield to fill in one of the empty spots. Letterman Perry is termed by Sorrell as one of the best hitters in the ACC. Perry is a senior.

The second outfield position will go to either Jerry Cordell or Don Montgomery. Both of these boys are sophomores and at present are pushing each other for the starting nod at first base. Sorrell said that he planned to put one of these two in the outfield Monday and the other at first, but that he wasn't sure which would play where right now. The third slot will be filled by All-American football player Roman Gabriel. Gabriel played a little last year, but he dropped off the team at about mid-season. In high school Gabriel was a fine player and was selected for All-State honors while playing at Wilmington, N. C. The top sub in the outfield will be Gwyn Voss. Voss is listed as both a good hitter and fielder.

Cox Gone

The big problem in the infield is the absence of All-ACC second sacker Jim Cox. Cox hit for a hefty .369 average last season and was the number five man in the voting for all-conference honors. As his average would indicate, he was one of the best hitters in the ACC. Sorrell has moved junior letterman Vernon Strickland from third to second to fill in the space left by Cox. At shortstop will be another veteran, Wayne Edwards. Edwards is a junior and he won a monogram last year for his play at shortstop. Sorrell thinks that he has a very good double play combination in Strickland and Edwards.

Down at third base there is a hot duel between George Eastering and Les Young for the starting nod. Both of these boys are sophomores. For the present time, Sorrell gives the starting nod to Young. Over at first base, the starting assignment has still not been issued. Cordell and Montgomery have both been working out at this slot, but one will probably play the

outfield and the other first base. Stacey Wells played first last year, but he has graduated.

Fine Soph Catcher

Behind the plate, Coach Sorrell has one of the finest sophomores catchers ever to play at State College. George Hayworth received a great deal of praise from his coach. Hayworth will probably start against Dartmouth and the other catcher, Perry, will move to the outfield.

State has one of the strongest pitching staffs that it has had in sometime. Heading the staff are senior lettermen Joel Gibson and Wilson Carruthers. Last season Gibson posted a 7-3 record which included a no-hit contest over Michigan State. Carruthers' 3-2 mark of last season is not a good yardstick to measure his value to the team by. The team of Gibson and Carruthers is one of the best pitching duos in the ACC.

Coach Sorrell has two fine prospects up from the junior college ranks. Bob Conners, who had a fine year at Wilmington last year, and Jerry McIntosh of Wingate are both juniors. Conners reached his peak last season when he hurled a two-hit shutout in a playoff game. McIntosh had a very good year at Wingate and won the last seven games of the year that he pitched. The pitching department appears to be the strongest part of the Pack team at this time.

With five lettermen back from last year's team, Sorrell said that the lineup for the Dartmouth game will probably contain three seniors, two juniors and four sophomores, but he wasn't sure just who will play what position.

Tough ACC Race

As far as the conference picture is concerned, Sorrell thinks that it will be a very interesting race between Duke, Carolina, Wake Forest, Clemson, and State. The Pack coach also said that he thought that the other teams in the ACC would be improved over last season.

Coach Sorrell got pre-season practice underway on February 15 and he said that he has been very pleased with the progress that the Wolfpack has shown in

early drills. He feels that this year's team is ahead of any previous State team at this time for the last five or six years.

The Pack mentor said that he did not feel that the number of home games that State was playing this season would help the record any. Sorrell said that playing a lot of games was the most important factor in build-

ing a winning season. He pointed to Wake Forest as an example. The Deacons have a 31-game card this includes ten or 12 games that will be played during a southern tour at the first of the season. Sorrell said that the Carolina Tar Heels and Duke were also planning similar tours.

"I think this State team is going to be a very interesting one to watch. They are anxious to play. I am looking forward to a good season," Sorrell concluded.

Pack Baseball Slate Set For '61

March 20 Dartmouth—home
21 Dartmouth—home
29 Colby College—home
30 *Maryland—home
31 Ohio Univ.—home

April 1 Wash. & Lee—home
3 West Virginia—home
8 *N. Carolina—away
14 *S. Carolina—away
15 *Clemson—away
18 *Duke—home
22 *Wake Forest—away
25 *Duke—away
28 *S. Carolina—home
29 *Clemson—home

May 2 *Wake Forest—home
5 *Virginia—away
6 *Maryland—away
9 *N. Carolina—home
13 *Virginia—home

*Denotes Conference Game

Notices

Softball Umpires: \$1.50 per game. Thirty umpires are needed for the Intramural Softball schedule that begins Monday, March 20. All persons that are interested are urged to contact the Intramural office.

Rod and Gun Meeting: There will be a meeting of all those persons that are interested in participating in the N.C.S. Rod and Gun Meet Tuesday, March 21, at 7:30 in Thompson Gym. Dates for the Meet have been set for April 12, 13, and 14. Skeet, Skish, Archery, and Target Rifle competition will be held.

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MEN'S WEAR

Best Dressed Coed At State To Be Named Saturday

By Mike Lea

There is now being held on campus a slightly unbelievable contest—one to select the best dressed coed. It is not that we consider our coeds poorly dressed, but we are surprised that enough could be found to conduct a contest at all. We were wrong, however, as this page full of pictures of attractive and well-dressed young ladies shows.

The winner of this contest will be chosen by the best judges of female apparel that can be found in this section, the wolves of State College. Voting will be held on Friday from 9:00 a.m. to 5:00 p.m. on the ground floor of the College Union Building; and will be held on Saturday from 9:00 a.m. to 1:00 p.m.

Ten finalists have been selected for the contest by campus leaders. Their pictures appear on this page.

The winning coed will be the representative from State College in Glamour Magazine's national best-dressed coed contest.

The Contestants and their sponsors are:

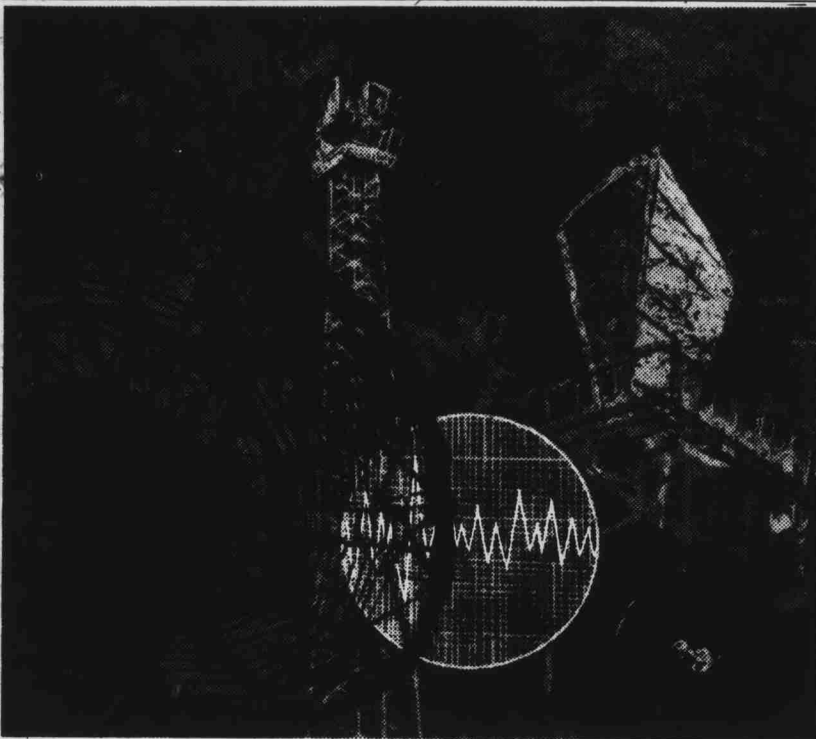
Francis Goodwin, a junior

sponsored by The Technician; Margo Reeves, a freshman sponsored by the Agromeck; Belle Cline, freshman by the Math Club; Martha McLaughlin, freshman by WKNC; Jill Robinson, freshman by the Marching Cadets; Kaye Perryman, fresh-

man sophomore by the I.F.C.; Lane Davis, junior by the Pershing Rifles; Joyce Meares, junior by the I.D.C.; Peggy McConnell, sophomore by Sigma Kappa Sorority; and Barbara Segal, freshman by the Veterans' Association.



Francis Goodwin
Technician



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To make microwave work takes a host of special equipment and components: relay towers, antennae, waveguides, traveling wave-tubes, transistors, etc. But just as important,

it takes top-caliber people to help us broaden our horizons into such exciting new areas as communication by satellites!

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Margo Reeves
Agromeck



Belle Cline
Math Club



Martha McLaughlin
WKNC



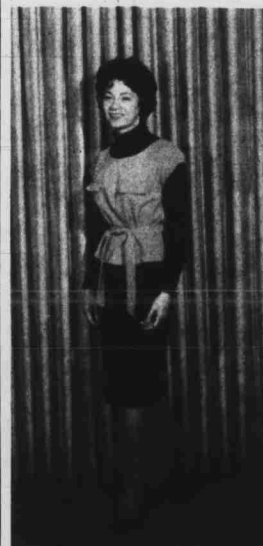
Jill Robinson
Marching Cadets



Kaye Perryman
I.F.C.



Lane Davis
Pershing Rifles



Joyce Meares
I.D.C.



Peggy McConnell
Sigma Kappa



Barbara Segal
Veterans' Association

ECC Head Urges Public Consciousness

Editor's Note: This speech was given earlier in the year to the State College Chapter of Tau Beta Pi by Dr. Leo W. Jenkins, president of East Carolina College. We are including it because we feel that it is something that every person who plans to be an engineer should read and consider.

Speech delivered before National Engineering Honor Society, The Tau Beta Pi Association, Alpha Chapter, at North Carolina State College, Raleigh, North Carolina on January 6, 1961, by Dr. Leo W. Jenkins, President, East Carolina College, Greenville, North Carolina.

I have been invited here to talk on any subject of my choosing. This gives me a great deal of latitude, but I have found from experience that organizations expect the speaker to develop a subject that is of interest to them.

It was fully recognized by Sam Winchester that I am neither an engineer nor an expert in problems associated with engineering. I do believe, however, that I am correct in assuming that I am an expert in my reactions as a citizen and college administrator to you as engineers.

It is quite obvious that whether we like it or not, the engineer has changed our way of life. He has changed many of our human relationships, our domestic economy, and our foreign policy. At times, we don't know whether to praise him or condemn him. Regardless of what we think about it, however, he continues to change our way of life. One could cite almost endless illustrations of these changes. In aviation, for example, many people are traveling between some of our cities by air at a rate many times greater than the total number of travelers between these points a few years ago.

Before the automobile came, bread was baked at home. Today, most of our young people don't know what a loaf of home-made bread looks like. Fresh sea food and vegetables can now be enjoyed by the people in any community in the nation at any time of the year. From the standpoint of international relations, the engineer has greatly reduced the size of our globe. The peoples of our world are now our neighbors. Their problems have become our problems. Their plight is no longer of mere academic interest but of immediate concern to all of us because of the relationship it bears to our way of life.

You have given us a second industrial revolution in which electronic controls will probably be substituted for human senses. You recall that in the first industrial revolution steam and coal were substituted for muscles. This new age will be characterized by greater democracy in terms of the comforts of life, but probably much less political democracy. Mass production of goods with the resultant need for larger markets makes possible the first, while the great refinements in the various media of communications accompanied by the Madison Avenue techniques in the use of these tools will force more and more people into group thinking and diminish their political strength. This age will see longer life expectancy, shorter working hours, greater amount of leisure time, and the ever present population explosion. To state some of this more succinctly, you have freed man from spending the major part of

his time on the task of making a meager living; but you have done mighty little in assisting him in his attempt to live in this new environment.

You must help keep man from becoming the servant or slave of your technical progress. You realize, of course, that technical progress may not be identical with the progress of man. We may well witness through your efforts progress in the machines you make, but little progress in man himself.

Many reasons other than those associated with science have been offered for these drastic changes in our world. It is difficult, however, to refute the fact that they are essentially due to the achievements of engineering. I am not in the position to discuss the technical problems associated with these advancements, but as a layman, I am deeply concerned and interested in the people who made them possible. Whether I like the engineer or not, whether I know him or not, his nuclear weapons are of great concern to me. From an immediate standpoint, and again as a layman looking at your profession, there are a few things I do not understand. One problem is that dealing with nomenclature. It is difficult for us outside the profession to ascertain who is or who is not an engineer in the traditional sense of the word. We know, of course, that the words "engineer" and "engineering" have a magical charm, but what confuses us is the fact that there appears to be a multiplicity of types of engineers—as Jimmy Durante would say, "Everybody wants to get into the act." We hear such titles as sanitary engineer, airport engineer, illuminating engineer, lubricating engineer, welding engineer, diesel engineer, termite engineer, and I suspect some of the beauty parlor people call themselves cosmetic engineers.

This development may be due to the fact that you have been so close to your work, so fascinated, that you have become unconcerned about status. Perhaps you have not watched the store as carefully as you might have.

Now, in contrast, other professions have been relatively

free from this development. Although the college professor may teach many subjects, the term "college professor" is a quite well-guarded title in our two thousand colleges and universities in America. To be sure, the lawyers have their specialties within the law, but most of them must first pass the bar, which tends to make secure their status.

There are many types of doctors in our land, but insofar as the medical profession is concerned, the M. D. Degree has a distinct and well-defined meaning, and the members of the profession fight quite vigorously against any infringement upon it. The members of this profession also have held a tight clasp upon the licensing procedures within their profession. This is attested to by the strong stand they made recently concerning the licensing of foreign-trained doctors. The engineer has not exerted this energy among the various states in protecting his status. Historically, until recent times, the word "engineer" had a definite connotation. To a large element of the public, an engineer was an engineer—period. The recent looseness in the use of this word has not only injured the status of the profession, but it has caused undue confusion. The armed services, for example, took great liberties with the word "engineer." Many men found themselves in engineering outfits because of a need of man power rather than their having engineering ability. The work was appealing, particularly for those with muscles. This resulted in many young men considering themselves prospective engineers in spite of the fact that God never endowed them with the requisite ability for this type of career; thus interest existed. The funds supplied by the government under the G. I. Bill completed the picture.

While we were on Iwo Jima waiting to return to Guam, a young marine asked me to help him with his post war career in engineering. I suggested that he might start by having the chaplain get him an algebra book. "Hell, no. I don't want any of that damn math," he answered. If this were an isolated case,

I should not mention it here. Unfortunately, this strange reaction to mathematics has been repeated several times. It is not rare to find as many as half of the students in our mathematics classes in pre-engineering fail. One cannot help but wonder why they were in this type of work when their chance for success is so remote.

I should like to discuss for a minute or two another aspect of your profession that I do not understand, and that is your apparent inferiority complex in the area of culture. I find no need for it; yet it exists. Perhaps it is based on your desire to be honest, or it may be the effects of your training, where in you do not assume understanding without thorough knowledge; but when one observes the obvious bluffing by the other professions in this area, it is difficult to understand why you, too, do not join them, rather than taking a negative

position; or in some places discrediting culture. I am certain that your opinions and reactions to some of this modernistic art on display on the fourth floor of the State Museum is just as meaningful or meaningless as those of the so-called cultured people. Some of my engineering friends in college attempted to solve this problem by adopting a tradition that all engineers are rough and tough characters.

I honestly do not feel that you are fair to yourselves in permitting this impression to continue, for it is my experience that my acquaintances in the engineering profession are as interested in the arts and as creative in the arts as members of any of the other professions.

You are all too familiar with the historical development of the engineering profession for (See CONSCIOUSNESS, page 7)

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Public Consciousness For Engineers Named

(Continued from page 6)

me to attempt to review it here. You know that the factors that produces some narrow and perhaps uncultured engineers in the past were more complex and indefinite than a mere absence of the humanities from the curricula of those days.

John S. Peck, writing in the *American Association of University Professors Bulletin*, outlines this tradition very well when he states that in the early nineteenth century the country was young and just beginning to feel its latent strength. It was a land of pioneers, mainly concerned with conquering frontiers; and these pioneers had to be resourceful in their own right.

Such an environment bred great confidence in individual

ability to cope with any situation and led naturally to a distrust of all specialists. The pioneers were essentially pragmatic. Theory had no place in their philosophy. The rule of thumb was supreme and only results counted. Also, the spirit of the times was fiercely democratic, especially on the frontier, where most of the engineering work was done.

For one man to claim superior ability in any field on the basis of "book larnin'" was essentially undemocratic, and anyone who did was simply inviting disaster. What few engineers there were in those days stuck closely to their work and did not mix in the political and social activities of their environment.

Engineering language was alleged to be salty and at least fifty per cent blasphemous, and the engineer took much pride in cultivating construction camp and barroom manners rather than the deportment that would grace a drawing room. Frontier conditions may have led to the growth of this tradition also. It is one of the most deeply rooted of the engineering personalities and may well prove to be the hardest to eradicate. Fine as this tradition may be, it does not make for good public relations. It does not help your profession, and it most certainly does not add to your stature. Our frontiers have changed. Our nation has changed, and those who won't change with it must accept the unpopular

and sometimes arduous role of the non-conformist.

I am amazed at the manner in which the engineering profession itself frequently discredits its own achievements. I remember reading in a magazine called "civil engineering" in referring to the winning of a prize in sculpture by an engineer, the author begins his account by saying, "Since engineers are not generally credited with as much interest in the arts as some of the other professions, etc." Now, contrast this with the medical symphony orchestra in New York City composed entirely of doctors.

I mentioned in the beginning of this talk that you have been responsible for changing our world. It seems only right for you to assume an equal responsibility in helping us run this new world. To put this another way, your absence from the political scene, your turning our political life over to the law profession, whose members often

(See Ec Head Speaks, page 8)

Financial Aid

(Continued from page 2)

loans in proportion to the needs of 193 new students.

The "Talent for Service" program, sponsored by the college's Development Council, is a means of assisting worthy North Carolina high school graduates to acquire an education at State College.

Current applicants will learn the outcome of their applications during March, April, and May.

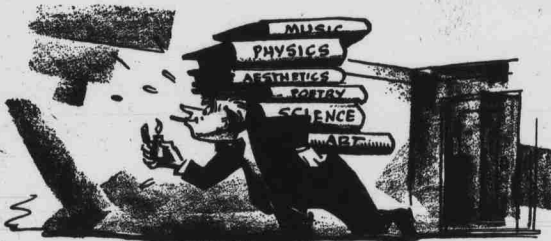


I WAS A TEEN-AGE SLIDE RULE

In a recent learned journal (*Mad*) the distinguished board chairman (Ralph "Hot-Lips" Sigafos) of one of our most important American corporations (the Arf Mechanical Dog Co.) wrote a trenchant article in which he pinpointed our gravest national problem: the lack of culture among science graduates.

Mr. Sigafos's article, it could be emphasized, was in no sense derogatory. He stated quite clearly that the science student, what with his gruelling curriculum in physics, math, and chemistry, can hardly be expected to find time to study the arts too. What Mr. Sigafos deplors—indeed, what we all deplore—is the lopsided result of today's science courses: graduates who can build a bridge but can't compose a concerto, who know Planck's Constant but not Botticelli's Venus, who are familiar with Fraunhofer's lines but not with Schiller's.

Mr. Sigafos can find no solution to this hideous imbalance. I, however, believe there is one—and a very simple one. It is this: if students of science don't have time to come to the arts, then we must let the arts come to students of science.



He will know that he is a fulfilled man...

For example, it would be a very easy thing to teach poetry and music right along with physics. Students, instead of merely being called upon to recite in physics class, would instead be required to rhyme their answers and set them to familiar tunes—like, for instance, *The Colonel Bogey March*. Thus recitations would not only be chock-full of important facts but would, at the same time, expose the student to the aesthetic delights of great music. Here, try it yourself. You all know *The Colonel Bogey March*. Come, sing along with me:

Physics
Is what we learn in class.
Einstein
Said energy is mass.
Newton
Is highfalutin
And Pascal's a rascal. So's Boyle.

Do you see how much more broadening, how much more uplifting to learn physics this way? Of course you do. What? You want another chorus? By all means:

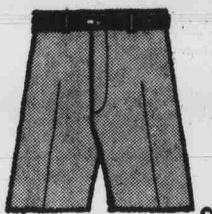
Leyden
He made the Leyden jar.
Trolley
He made the Trolley car.
Curie
Rode in a surrey,
And Diesel's a weasel. So's Boyle.

Once the student has mastered *The Colonel Bogey March*, he can go on to more complicated melodies like *Death and Transfiguration*, the *Eroica*, and *Love Me Tender*.

And when the student, loaded with science and culture, leaves the classroom and lights his Marlboro, how much more he will enjoy that filter, that pack or box! Because there will no longer be an unease gnawing at his soul, no longer a little voice within him repeating that he is culturally a dolt. *He will know*—know joyously—that he is a fulfilled man, a whole man, and he will bask and revel in the pleasure of his Marlboro as a colt rolls in new grass—content, complete, truly educated—a credit to his college, to himself, and to his tobaccoist!

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And while he is rolling, colt-wise, in the new grass, perhaps he would stop long enough to try a new cigarette from the makers of Marlboro—unfiltered, king-size Philip Morris Commander. Welcome aboard!



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 <p>Impala V8 Sport Coupe</p>	 <p>Nomad V8 4-Dr. 6-Pass. Station Wagon</p>	 <p>Nomad Six 4-Dr. 6-Pass. Station Wagon</p>
 <p>Impala V8 2-Door Sedan</p>	 <p>Parkwood Six 4-Dr. 6-Pass. Station Wagon</p>	 <p>Parkwood V8 4-Dr. 9-Pass. Station Wagon</p>
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ECC Head Speaks To Tau Beta Pi

(Continued from page 7)

do not understand the technical problems associated with modern warfare, rapid means of communication, mass production and automation, to mention but a few, does not seem wise.

If you elect to take a balcony view from the everyday problems of our government and our world society, you should at least agree to become junior partners in the process, for most of these problems were of your creation.

I feel the public will look with favor on the presence of many more engineers in our Congress, in our state legislatures, in our governors' chairs . . . yes, and in our President's Cabinet.

Some years ago, former President Robert Hutchins of the University of Chicago raised an interesting question when he asked, "Why is it that American engineers do not in general rise to such commanding positions outside engineering practice as do members of the profession in England?" That same question could well be raised again today.

I believe the public expects more of engineers than a display of technical ability.

I have not been kind in my remarks. I hope I am correct in assuming that you did not expect me to come here to flatter you. That would have been easy, for your achievements are numerous. It is only fair now for me to state a few of the things that I believe the citizens of North Carolina expect from engineers of this great College.

We need your help in improving our public schools. You are an influential profession. Our public schools supply the great majority of our future engineers. Help by using your influence to make our schools worthy of attracting the best people to enter the great profession of teaching. We need your help in building safe and adequate school buildings and in freeing ourselves from poor ones.

Other professions have taken

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a direct interest in public education. There are hundreds of medical doctors on our school boards throughout the land. Rare is the school board without a lawyer or two; but one would have to look in many directions to find an engineer actively concerned with public education. The President of one of your engineering societies informed me that he knew of no members serving on school boards anywhere in the State.

Many of our health problems are engineering problems, such as water pollution, sanitation of various types, road construction, and several others.

We need your help in making North Carolina a healthy state in which to live. I observed the work of your profession at Guadalcanal. I believe you did more there in two years toward eradicating this dreadful menace of malaria than you were able to do in twenty-five years in eastern North Carolina.

We expect you to tell us in our language what you are do-

ing to improve our way of life. We need your help in seeing that gifted young people obtain the best engineering and technical education possible. We need your help in protecting us from people who are disguising themselves as members of your profession without proper training. We realize that this appeal involves a tightening of the looseness surrounding the word "engineer." We realize that this may involve a legal fight; but we also know that the fight can be made only by you.

Dr. Walter Boveri made an interesting comment in a speech before the American Society of Mechanical Engineers when he said: "But someday, not by his own volition, but certainly by his own doing, Western man finds himself confronted with the same problem that beset Hamlet—"

To be or not to be
Whether 'tis nobler in the
mind to suffer
The slings and arrows of out-
rageous fortune,

Or to take arms against a sea of troubles,
And by opposing end them?

Some philosophers and intellectuals seem to have chosen the first course of action. They evidently go so far as to believe that they must act as tools of divine providence in the ques-

tion as to whether humanity should survive or be exterminated.

I believe the Lord expected us to take the latter position and take up arms against the sea of troubles and opposing, end them. I believe the members of your profession should seriously take up the political fight, and the moral fight, and the economic fight, and by opposing, help the other professions end them.

I realize that all this is easier said than done. It will require

a lot of courage, effort; and most important, good sound reasoning. The philosophers tell us that he who will not reason is a bigot; he who cannot reason is a fool; and he who dares not reason is a slave.

My challenge to you young men tonight is to ~~not~~ being bigots, fools, or slaves. Instead, take up the challenge. Fight the good fight, and make this place that we call our world a better place for not only ourselves, but our children, and their children.

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- Deposit your completed entry in the Lorillard Campus Sweepstakes entry boxes. Closing time and date indicated on campus posters. There will be a random drawing in which the prize winners will be selected in consecutive order. Drawing will be held under the supervision of the college newspaper staff. Enter as many times as you like. Only one prize per contestant. Entrants need not be present at drawing to win.
- Lorillard Campus Sweepstakes is open to all students, faculty and staff members of this school.
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