Volume 55, Number 52

Duke University, Durham, N. C.

Monday, February 29, 1960

Second Round Wednesday

A house-to-house pilgrimage by East Campus office aspirants tonight will begin this year's Woman's College elec-

rants tonight will begin this year's Woman's College elections process.

The candidates will be led in their rounds of the electorate by Carolyn Montgomery and Liz Giavani, running for WSGA presidency (See statements below). The candidates will be entertained and queried by half of East's dorms tonight from 6:30-9:30 and by the remaining dorms Wednesday night at the same time.

Women running for WSGA, WRA, and YWCA offices will make up the candidate caravan, an idea initiated this year "to promote more publicity in order to make the campus aware of the candidates and their qualifications," explained Ohlyne Blackard, WSGA vice president.

dates and their qualifications," explained Unlyne Biackard, WSGA vice president.

Lisa Cook, Joan Godlove and Barbara Underwood are running for the chairmanship of the Judicial Board. Emmy Logan and Jerry Perry will compete for the office of secretary of the board.

Other WSGA candidates are Annette Seward and Harriet Volley for vice president, Judy Kellett and Susan Weeks for secretary, and Kay Goodman and Barbara Fohl for treasurer, Judy Anderson, Debby Gallup, Kay Ellen Isley and Judy Van Dyck are competing for the assistant treasureship.

# **Presidential Aspirants Air Views** In discussing the place of student government on campus, Carolyn Montgomery, WSGA presidential hopeful, commented that student government was "on the fence," in a position where it is only beginning to realize its potential. She added that much more needed to be done in student government in the way of molding opinion. She said that she had considered a number of constitutional and budgetary changes, including both a reconsideration of the relationship of

Student government must recognize and meet campus problems, according to Elizabeth Giavani, candidate for WSGA

Giavani, candidate for WSGA presidency.

Although WSGA is performing this function, there is room for improvement in all its programs, she continued, which should be worked out in long-range planning. When questioned about specific improvements, she declined to answer until having studied the report of the WSGA evaluation committee.

On the responsibility and



MONTGOMERY

place of the president, Miss Giavani said that the president's primary responsibility is to the campus, that she must represent student attitudes as best she can in council, and bring the views of WSGA council to the University.

sity.

She emphasized the need for weekly council meetings because it was here that the programs and policies of WSGA were initiated and co-ordinated. She also felt that a regular assembly should be held, for it was the right of the student to brigh her views before the student body.

On University-wide student government, she said, "I'd work for it—it's an ideal which could be realized." She added that such an organization should not take the place of the individual student governments because of problems peculiar to each group. Closer East-West co-operation was favored by the presidential candidate, particularly in related areas such as the honor code. When questioned as to why she was running for the office, Miss Giavani replied, "Because I'm genuinely concerned with student government on this campus, its problems, responsibilities and challenges, and because I'm anxious to devote efforts to its development." She emphasized the need for

ex-officio committees and the combination of the duties of the class WSGA representative with those of class president.

Miss Montgomery has also considered ex-officio NSGA representation, to serve as a link between the two governments, and re-evaluations of budgetary allowances such as the Sympo-

and re-evaluations of budgetary allowances such as the Symposium allotment, which she believes should be increased. When questioned about a University-wide student government, Miss Montgomery thought that the campus was in need of this, but it would never work until all three student government groups were willing to participate fully
Durham relations were another field which she considered in need of investigation. Miss Montgomery also stated that it was her opinion that the students did not have enough voice in the

did not have enough voice in the Long Range Planning Com-

mittee.
When asked why she was running Miss Montgomery emphasized that student government has a rightful place which has not been realized and that trying to do more in this area is a challenge. She added that she was interested in the University and student government and wanted to contribute to them.

## Coed 'Caravan' To Begin Three Issues Stand Behind East Campaign Tonight Gross - Edens Disagreement



SELL-OUT PERFORMANCE—Robert Shaw will lead his chorale and orchestra in a performance of Bach's B Minor Mass Thursday at 8:15. Only standing-room admissions remain and will be available at Page box office.

## **Touring Robert Shaw Corale Gives Bach Masterpiece in Page Thursday**

The Robert Shaw Chorale and recestra will present the de-tanding Bach B Minor Mass. The Shaw group is now on its one of the very few, very great thievements of the human mind de heart," Thursday evening in age as part of the Artists' Se-tain time here will be 8:15. The Robert Snaw Chorale and Orchestra will present the demanding Bach B Minor Mass, "one of the very few, very great achievements of the human mind and heart," Thursday evening in Page as part of the Artists' Service.

The Shaw group, 30-member chorus and 40-piece orchestra, will be the first fouring company in musical history to attempt to present the Bach masterpiece. The present tour is, for Shaw, the realization of a long-cherished project ished project.

"In spite of the enormous diffi-culties of touring a work of this character and dimension," Shaw declares, "the professional con-cert organization has a unique chance to achieve the fullest poe-sible technical and emotional expression of this work.

A few standing-room admissions for the sell-out performance are still available at the Page box office.

#### **IFC Fines Delts \$50** For Visit to Pledges

The Interfraternity Council has fined Delta Tau Delta fraternity \$50 for loud and excessive noise by several brothers in freshman houses N and M Tuesday evening.

The violation, tried by the IFC executive council Thursday night, involved the entering of N and M by members of Delta Tau Delta, and the "shaking of freshmen pledges from their beds," said Ed Green, Delt president.

sions for the sell-out perform ance are still available at the Page box office.

The four parts of Bach's work were composed at separate times over a period of about six years, and the total work was probably for consideration by the council.

## **Faculty Expresses** Varying Attitudes

By MARIAN L. SAPP

By MARIAN L. SAPP

Chronicle Editor

Dr. Paul M. Gross, University vice-president in the field of education, was the central figure in the tension which resulted in the resignation of Dr. A. Hollis Edens ten days ago, said Chester Davis of the Winston-Salem Journal and Sentinel.

Mr. Davis's article, reporting.

Journal and Sentinel.

Mr. Davis's article, reporting
to give the "behind-the-scenes"
story of the President's decision,
substantiates and is substantiated by information gained by
Chronicle sources and reporters
during the past week.
The Chronicle was unable to
reach Dr. Edens and Dr. Gross
for comment on the Davis article before it went to press today.

reach Dr. Edens and Dr. Gross for comment on the Davis article before it went to press today.

Dr. Edens has stated previously that he had "carefully prepared" his statement to the faculty and would stand on it. When asked last week to comment on the Durham Herald story concerning his position as consultant to the University, he said that he felt that reporters should go to "the source" to investigate the statement.

Dr. Gross has been unavailable to staff writers throughout the past week.

When the resignation announcement was made to the faculty February 19, it was greeted with mixed emotions. One student reaction was, "What happens to fraternities now?" Professors and alumni, citing the gains made by the Edens administration in the fields of public relations, promotion, alumni relations, and research and development grants, expressed regret at his decision. Others expressed the view, "It's for the good of the University."

Informed sources within the faculty present three principle factors in the tension which became noticeable four years ago when Dr. Rogers and six other hospital research men left for Tennessee after being refused larger amounts for grants:

• The position of the hospital in relation to the medical school (Continued on page 3)

Phi Beta Selects 13

#### Phi Beta Selects 13 With 3.25 Average

Phi Beta Kappa, national scholarship honorary, has selected 13 undergraduate students for membership. national

membership.

Elected for their scholastic attainment were Barbara Jean Rambin, Thomas M. Vernon, Jr., Jan Lee Mize, Stanley Boyd Eaton, Julie Lynne Campbell, Michael James Foster, Diana Tilley Strange, Jeanne Alice Kelly and Ann Willett Nash.

Carroll Ellis Jones, Herbert J. Herring, Jr., Sarah L. Smith and Betsy Ann McKeel complete the list. Each honored student has tallied a scholastic average of 3.25 or better over six semesters. Dr. Harold T. Parker, professor of history, will succeed Dr. Kenneth W. Clark of the Divinity School as president of the local chapter. Dr. J. Harris Proctor, assistant professor of political science, will serve as the new vice-president. Elected for their scholastic at-

**Eleven Rising Seniors** 

## **Union Selects Board of Governors**

Eleven rising seniors were notified of their appointment to the Student Union Board of Governors yesterday, announced Dick Hansen, outgoing chairman.

Trinity College representatives are Byron Battle, chairman of this year's Educational Affairs committee; Crawford Best, co-chairman of the publicity committee; Kent Garman, co-chairman of the publicity committee; Kent Garman, co-chairman of the social committee; and Graham Kretchman of the recreation committee.

the social committee; and Graham Kretchman of the recreation committee.

Bill Montgomery will represent the College of Engineering, and Kay Sprenkel, co-chairman of the social committee, is Hanes' representative. From East are Sue Dobson of the house committee; Judy Johnes, who served on the Educational Affairs committee; Mary John Little, co-chairman of the recreation committee and Jo Dare Williams, who also served with that group. The new board will meet tomorrow to discuss the nature of its function, added Hansen. New officers will be elected next week.



MARIAN L. SAPP Editor

FOUNDED IN 1905

## Questions for Candidates

One of the major weaknesses of East campus electioneering in the past has been the lack of contact between candidates and contact between candidates and coeds. Those running for the major offices have been interviewed, have had their pictures plastered on posters, and have given four-minute speeches in an assembly. Candidates for the lesser offices have had even less chance to make themselves known—they have been photographed and then paraded across the stage at assembly. Coeds have found themselves voting for "that blond with the blue eyes, you know the one" rather than for the most capable person. It has not really been their fault. their fault.

their fault.

This year, however, the student body has the opportunity of meeting the candidates during the caravan. The opportunities for give-and-take offered can lead to more informed voting or to degeneration into a flasco similar to West campaigning if the candidates feel themselves pressed into manufacturing.

ing if the candidates feel themselves pressed into manufacturing issues on which to stand. The former is the infinitely more desirable of the two.

In an effort to stimulate meaningful give-and-take in the dorm meetings, we have compiled a list of questions which will be applicable to candidates for the specific offices.

• General: What has been your position in your organiza-

#### Disalarmament

A man called the White House the other day to find out the name of the man who is working on disarmament research. After a long wait he was referred to the State Department. He called the State Department. After a long wait he was referred to the Pentagon

tagon.

The men on the other end of the line were obviously disturbed. It wasn't their job—the an was told to call the White House

House.
Sunday's newspaper reported that the British, French, and German disarmament proposals have been considered in a meeting by the Western foreign ministers. They are waiting for the U. S. proposal.

tion this year? Why are you running for this office? What do you think has qualified you for this office? Could you define your position of leadership—a leader, a representative, or both and to what extent?

and to what extent?

• WSGA: In your position this year, have you been able to work closely with the present President? How and in what capacity? Will you be able to carry a lighter curricular load next year or do you think this necessary? What do you feel is the position of student government here? Do you feel it should change? How, and how would you go about it? Would you advocate any constitutional changes? What would they be? What type of activities do you feel that student government should undertake next year? Do you advocate having LTP each year? How do you feel about the proposed University-wide student government? Do you

year? How do you feel about the proposed University-wide student government? Do you feel that the membership of WSGA Council should be changed in any way? What are the value of the monthly meetings of WSGA?

• Judicial Board: How would you define the philosophy underlying the position of the Bo ard? Of the Chairman? Would you favor broadening the powers of the Board in any areas? Would you institute or favor any type of training program for the new Board? What do you feel are the necessary qualifications of House Judicial Representatives? Would you be able to carry a lighter curricular load next year or do you feel this necessary?

feel this necessary?

• YWCA: What is the purpose of the 'Y'? Should it take stands on off campus issues? What type of program do you envision for the 'Y' next year? What is the worth of the various 'Y' committees? Would you advocate changing any of them? Should the 'Y' continue Parents Weekend? Why? How does the fact that your organization is specifically called "Christian" affect what you do?

• WRA: What is the purpose of your organization? Do you feel that its existence is really justified? Why? How would you go about improving its program?

ASSOCIATE KDITOR: JIM BROWN; MANAGING KDITOR: LEGNARD PARGUE; ABSISTANT MANAGING EDITOR: DAVE SANFORD; FEATURE EDITOR: CHOY CHITI; NEWS EDITORS: ESTURE BOOK, SUE STRONG, WALT GILLELANG, GALEG GRIFFIN, ADRIK KOME, ROSERT WINDELER: PROPRE EDITOR: JOS BOWLES; ASSISTANT SPORTS EDITORS: BILL DITOR, SONDEN HALL, MORRIS WILLIAMS; HEADLING EDITORS: LINGA CARRETT, IAM PARKER; HOTOGOARHNERS; MATTA PERGG. FERD GERTKEN, GITTER SCHUETER, JIM STOOPS! WORG REPORTER: LIX LINGVEL; REPORTERS: MARGARY HAPRILL, MAL NATHANISH, CHARLES WATERS COED BUSINESS MANAGERS: MATTA RICG; ADVENTISHE MANAGER: ADRIVATION; OFFICE MANAGER: KOHN BOWN; CAMPUS CIRCULATION MANAGERS: KOHN BOWN; CAMPUS CIRCULATION MANAGERS COPPREY OAKEY.

MANAGERI GODFREY ONLEY.

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By Al Silber

## Superior -- Or Southern

this campus, but one defi-nitely is.

mitely is mass. B. Duke produced this institution, by the magic of money, he apparently wanted all the future students of the institution to face the same hardships that he dld. He could think of no more flendish device than to place the students in the metropolis of Durham. James B. allegedly offered his money to both Rutgers and Princeton on the condition that they



SILBER

rename their school Duke. They refused, and Princeton's architectural shortcomings were copied in Durham.
At about the same time Mencken wrote a concise symposis of the scene of James B.'s enterprise. Speaking of the South he wrote, "Nearly the whole of Europe could be lost in that stupendous region of fat farms, shoddy cities, and paralyzed cerebrums... and yet for all its size . . . it is almost as sterile artistically, intellectually, and culturally as the Sahara Desert."
As a description of Durham the phrase "shoddy city" may be regarded as literary perfection. It is shoddy, dirty may be regarded as literary perfection. It is shoddy, dirty may be regarded as literary perfection. It is shoddy, dirty in the phrase for the AEC stores there is little of merit here. It is a horrible place to put an educational institution.

The city itself supplies almost no cultural or educational assets. The Durham

an educational institution.

The city itself supplies almost no cultural or educational assets. The Durham Art Museum is non-existent and so are the other facets that are expected of a vital and alive city. There was one touring theatre group which played Durham this year, but it naturally performed during the Christmas holidays.

The environment outside

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The aspirations of Duke to be a superior university encounter several very formidable and maybe even insurmountable objects. The stock that sanswer to this assertion always is the cliché, "Duke is answer to this assertion always is the cliché, "Duke is ers, The Artists Series, and an late best school in the South," Art, Aesthetics and Music swer, but merely one of the insurmountable objects. I am certain that not all of the problems and complaints that are heard are unique to this campus, but one defi-int of the content of th

(housed in a plush modern building). However, it is insufficient.

Durham is not only the pinnacle of culture, but the zenith of excitement. One can



#### THE THUNDERING MARCH OF PROGRESS

Today, as everyone knows, is the forty-sixth anniversary of the founding of Gransmire College for Women, which, as everyone knows, was the first Progressive Education college in the

Well do I recollect the tizzy in the academic world when Well do I recollect the tizzy in the academic world when Gransmire opened its portals! What a buzz there was, what a brouhaha in faculty common rooms, what a rattling of teacups, when Dr. Agnes Thudd Sigafoos, first president of Gransmire, ilifed her learned old head and announced defiantly, "We will teach the student, not the course. There will be no marks, no exams, no requirements. This, by George, is Progressive

Well sir, forward-looking maidens all over the country cast off their fetters and came rushing to New Hampshire to enroll at Gransmire. Here they found freedom. They broadened their vistas. They lengthened their horizons. They unstopped their bottled personalities. They roamed the earnpus in togas, lead-

And, of course, they smoked Marlboro cigarettes. (I say, "Of Course." Why do I say, "Of course"? I say, "Of course' because it is a matter of course that anyone in search of freedom should naturally turn to Marlboro, for Marlboro is the smoke that sets naturally turn to Marlboro, for Marlboro is the smoke that sets the spirit scaring, that unyokes the captive soul, that fills the air with the murmur of wings. If you think flavor went out when filters came in—try Marlboro. They are sold in soft pack or fill-top box wherever freedom rings.)

But all was not Marlboro and ocelots for the girls of Gransmire. There was work and study too—not in the ordinary sense, to be sure, for there were no formal classes. Instead there was a broad approach to enlarging each girl's potentials, both mental and physical.

and physical.

Take, for example, the course called B.M.S. (Basic Motor Skills). B.M.S. was divided into L.D. (Lying Down), S.U. (Standing Up) and W. (Walking). Once the student had masstread L.D. and S.U., she was taught to W.—but not just to W.
any old way! No, sir! She was taught to W.—but not just to W.
any old way! No, sir! She was taught to W. with poise,
dignity, bearing! To inculcate a sense of balance in the girl,
she began her exercises by walking with a suitcase in each hand.
(One girl, Mary Ellen Dorgenicht, got so good at it that today
she is bell captain at the Deshler-Hilton Hotel in Columbus,



When the girls had walking under their belts, they were When the girls had walking under their belts, they were allowed to dance. Again no formality was imposed. They were simply told to fling themselves about in any way their impulses dictated, and, believe you me, it was quite an impressive sight to see them go bounding into the woods with their togas flying. (Several later joined the U.S. Forestry Service.) There was also a lot of finger painting and sculpture with coat hangers and like that, and soon the fresh wind of Progres-sivism came whistling out of Gransmire to blow the ancient dust

of pedantry off curricula everywhere, and today, thanks to the

pioneers at Gransmire, we are all free.

If you are ever in New Hampshire, be sure to visit the Gransmire campus. It is now a tannery. © 1960 Max Shuln

If you like mildness but you don't like filters—try Mariboro's sister cigarette, Philip Morris. If you like television but you don't like cowboys—try Max Shulman's "The Many Loves of Dobie Gillis" every Tuesday night on CBS.

## **Faculty Voices Different Opinions On Tension Between Gross. Edens**

(Continued from page 1)
and the amount of research
grants. One professor cited the
differing attitude toward the hospital's financial condition.

• The difference in the basic
philosophy of education and the
role and position of the University as an educational institution.

• The University policy on
segregation and how or if it
should be altered—and when.

A faculty split on the issue
developed soon after the announcement, but, according to
some sources, is not so evident
now. Still, one faculty member
who stated that Dr. Gross is "the
one man around here who knows
what a great university should
be" said he was "nauested" by
what he felt to be the methods
used to oust the President. Another said that there was a split
in the faculty but that the proEdens group was small. Another
asserted the opposite.

Davis asserted in his article
that Dr. Edens essigned in order
to avoid "washing dirty linen in
public," but that he had the power with the Board of Trustees to
win.

University sources say that Dr.

er with the Board of Trustees to win.

University sources say that Dr. Gross and the Executive Committee are in agreement on most things and that Dr. Edens is more popular with the Trustees at large. One man stated, differing with Davis, that "We're having a little difficulty because the man on top doesn't know it."

The politics of the resignation fascinate many, but faculty and Administrators alike agree that the pressing problem now at hand is the selection of a new President.

The search is made more difficult stated one man but the fact.

President.

The search is made more difficult, stated one man, by the fact that Dr. Gross has proved his power with the Board. This man goes on to say that he feels that, unless the University is willing to settle for a likeable stooge, Gross will have to resign.

Another stated that he felt that Dr. Gross had sacrificed himself and Dr. Edens to "save the University." Most high University.

#### Rule of Law Center **Chooses Halderman**

John W. Halderman, who served as secretary of the committee that drafted the statute creating the International Court of Justice in 1945, has joined the staff of the World Rule of Law Center here.

here.

Coming from the State Department's division of international organization affairs, Haledrman already has assumed his new duties as a senior research

associate.

Halderman will do research generally in the field of international law, stated Arthur Larson, director of the Center. He will begin by preparing an analysis of all needed research on international rule of law and by checking the progress in this area around the world.

Halderman's any intend.

Halderman's appointment brings the number of lawyers now on the Center staff to six.

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officials refuse to comment on the crises or on the future of the Presidency.

Presidency.

The faculty in general has been disturbed by the selection committee's tentative deadline of March 23. This deadline, however, was not considered mandatory by the committee and has become a "dead issue" as a result of the committee's continuing its search for a President beyond the University.

#### East Offers 15 Awards For Coed Upperclassmen

Applications for 15 Woman's College scholarships are available to rising upperclassmen in room 115, East Duke Building.

Applications must be returned on or before March 14. Scholar-ship winners will be announced in the May WSGA assembly.

in the May WSGA assembly.

There are ten Alice M. Baldwin scholarships, two Evelyn
Barnes Memorial scholarships,
one Panhellenic and one Delta
Delta Delta scholarship, available to all upperclassmen. The
Sandals scholarship will be
awarded to a rising sophomore.

The recipients are determined
by the Woman's College scholarship committee on the basis of
scholarship, character, leadership and financial need.

#### WSGA To Sponsor Final Training Talk

The third and final presentation in WSGA's leadership training program will focus on talks by former leaders of East Campus organizations.

Tomorrow night at 8 in the East Duke music room Margaret Stennis Sime will speak on "A Place in the Sun."

In addition, Marion Rice (YWCA), Pat Hanson (WRA), Joyce Harris (House Presidents' Board), and Amburn Huskins (Social Standards) will describe the purpose of their respective organizations and why they have devoted service to them.

#### Superior -- Or Southern

(Continued from page 2)

ample of the backwardness that prevails in the entire area of the nation. This backwardness is not limited just to physical and materialistic development. It is the aura of the region.

Since 1860, the South has had no difficulty in becoming and remaining backward. In 1940, Wilbur J. Cash could still speak of the South as "another land, a nation within a nation." He wrote, "that it [the South] is so far from being modernized, in many ways it has actually always marched away, as to this day it continues to go from the

present toward the past."

Segregation is an entrenched part of Southern mores. It is also one of the most absurd and dangerous institutions of the many absurd and dangerous institutions in our land. Obviously even an institution such ously, even an institution such as this is not able to influence southern traditions (but neither has logic, reason, or the Union Army).

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Power District of Nebraska and an Organic Power Reactor at Piqua, Ohio. AI also is engaged in extensive research activities to develop improved materials for fuel elements and reactor components.

Electronics & electromechanics at the Autonetics Division Autonetics, a leader in the field of electronics, is engaged in research, development, and manufacture of Computers, Inertial Guidance, Armament Control and Flight Control Systems. Autonetics designed and built the inertial navigation system for the USS Nautilus and Skate; the first, completely auto-

matic landing system for supersonic missiles and aircraft; the first, general purpose, all-transistor, digital computer. It is now at work on the inertial navigation system for the first nuclear-powered Polaris-carrying submarines and the guidance and control systems for the Minuteman and GAM-77 missiles.

A Naval aircraft & missiles at the Columbus Division The Columbus Division, designed and built the Navy's T2J Buckeye. America's most versatile jet trainer which will train today's jet cadets to command tomorrow's manned weapons systems, and the Navy's supersonic, all-weather A3J Vigilante, today's most versatile manned weapons system. Advanced

design studies now underway at the Columbus Division include undersea, land, and air weapons systems for all Military Services. Current studies include ASW, missiles, ECM, intercept aircraft, electronics systems, VTOL-STOL, ground support equipment, and other still confidential programs.

Design & development of manned weapon systems at the Los Angeles Division

next-generation manned weapon system— the Mach 3 B-70 Valkyrie multi-purpose bomber—and America's first manned space vehicle, the X-15. Engineers in this division engaged in research, development, and

production of complete manned weapon systems. Work encompasses the fields of Electronics, Metallurgy, Structures, Aero-dynamics, Thermodynamics, Dynamics, Mathematics, Physics, Human Factors and Industrial Engineering.

Missile weapon system management & space research at the Missile Division

The Missile Division is the home of the GAM-77 "Hound Dog," an air-to-surface missile for the Air Force's B-52 bomber, The Mis-sile Division has within its ranks some of the nation's most experienced engineers and sci-entists in the fields of missiles and weapon systems. They are performing research on

missiles and space exploration vehicles of a wide variety of range, speed and propulsion methods. Scientists at the Aero-Space Laboratories, an organization within the Missile Division, are conducting creative research well in advance of existing technology in the space sciences.

Propulsion systems and concepts at the Rocketdyne Division

Rocketdyne is engaged in ideas-to-hardware development of propulsion systems. Hi-thrust liquid propellant engines, built by Rocketdyne, have powered most of the missiles used for military and civilian space projects including Atlas, Jupiter, Thor, Redstone, Explorer, Discoverer, Pioneer, Juno, and others. Under development at present are two super performance liquid systems. While leading the nation in liquid propellant

systems, the division is under contract for high energy solid propellant motors and unique accessory equipment. Solid propellant operations are located at McGregor, Texas. Other propulsion system concepts are actively under development employing the principles of ion energy, nuclear energy, plasma jets, arc-thermodynamic and magazechydrapanic activations. netohydrodynamic systems.

AT WORK IN THE FIELDS OF THE FUTURE

NORTH AMERICAN AVIATION, INC.

## Division 'A' Favored Tonight In Semi-finals The Puke

The four Division (A) teams, KA, Kappa Sig, Snowbirds, and Pika, move into the intramural semifinals tonight at seven in the

rika, move into the intramural semifinals tonight at seven in the Indoor Stadium.

In quarterfinal action on Friday night, Bill Dixon and Charlier Raksnis contributed 12 points each and Walt Rappold added a 10 point effort as the Snow-birds downed House V 36-27. Bill Lyren with 18 points led the Pika (A) to a 31-24 win over Phi Delt (B).

In a real thriller the Kappa Sigs edged Pika (B) 46-44. The Kappa Sigs came back from a three-point deficit with 50 seconds left to win on a field goal by Dave Challenger with 5 seconds to go. Lynn Fader paced the Kappa Sigs by pouring in 22 points.

the Kappa Sigs by pouring in 22 points.

Tonight's action pits the Snowbirds against the Kappa Sigs and the KA's against the Pikas. Tonight's two winners will battle tomorrow night in the Indoor Stadium for the intramural championship.

SPORTS EDITOR: Joe Bowles

Comments Bubas-

## 'Bad First Half Beat Us'

Chronicle Sports Edito

"That bad first half beat us," commented a weary Vic Bubas in speaking of Satur-day's 75-50 loss to North day's 75 Carolina.

"We just made too many mis-takes and were down by 20 points at the half. I thought we did a better job of fighting in the second half, but you can't give a team like that such a lead and expect to win."

In the first 20 minutes of action, the Devils went for one stretch for seven minutes without a field goal or a free throw,

while the Heels padded their lead from 9-8 to 23-6. In addition, the Dukes lost the ball on a violation or threw it away eight times during the period.

The Blue Devlis will continue practice this week for the conference to be held in Raleigh Thursday, Friday and Saturday. The Dukes will meet Carolina again on Friday night if they get by the Gamecocks.

"Our first thoughts must be for getting by South Carolina," commented Assistant Coach Fred Shabel. "The Gamecocks have been real tough of late, and no one can regard them too lightly," he continued.

Other first round games pit Carolina against Virginia, Wake Forest against Clemson, and Maryland facing the homestanding NC State Wolfpeak.

#### Imps Finish Season With State Tonight

The Blue Imp basketball squad closes out the season tonight, meeting the NC State Wolflets on a neutral court at Sanford.

In Saturday action, the Imps overcame a UNC freshman freeze to bury the Tar Babies 63-47

The Imps jumped off to a 12-0 lead before the Tar Heels were able to score. Art Heyman hit for 33 points, nine of them coming in this crucial period.

Dave Day and Bucky Pope supported Heyman with 8 and 6 points respectively. Day also pulled down 7 rebounds to lead

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UP FOR TWO—Forward Doug Kistler continued his inspired play in a losing cause Saturday against Carolina. Kistler is shown going up for a jump shot while being closely guarded by York Larese (22) and Doug Moe (35). Lee Shaffer is shown rushing in from behind. Kistler bucketed 17 points to lead the Devils in scoring for the fourth straight game.

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## **Inexperienced Line Holds Key to Gridiron Fortunes**

By HENRY GOLDBERG The Blue Devil athletic plant is a beehive of activity.

In the Indoor Stadium, the basketball team is preparing for basketball team is preparing for the ACC Tournament; at Coombs Field the baseball squad is readying itself for opening day; and down in the chasm of Duke Stadium, Bill Murray is sending his charges through the annual grueling spring session.

grueling spring session.
Coach Murray is truly on the spot regarding next season. His task is to improve on last fall's 4-6 record with a relatively green line from tackle to tackle. Gone are starters Ted Royall, Mike McGee, and Ron Bostian, Jim Swofford and Don Denne. In an effort to plug the gap at tackle, Murray has moved end Dwight Bumgarner to that spot.

The Dukes have a sneedy

The Dukes have a speedy backfield, but feature little ex perience at quarterback. Don Altman played a good bit last season, but the departing George Harris carried the major burden. After Altman there is no quar-terback with any variety of ex-perience.

The prospects at the end slots will be greatly encouraged if Tee Moorman and Bob Spada can re-cover from injuries sustained last Spring drills began last Fri-

Spring drills began last Fri-day, a week late due to incle-ment weather, and will continue until March 19. Murray is ex-pected to have Saturday after-noon scrimmages throughout the practice period.

The Blue Devils practiced for three and a half hours Saturday,

capping the afternoon with a scrimmage. Neither Blues nor Whites could claim an advantage as the squads battled to an 18-18 tie. Although the rumor is that next year's offense may be greater for passing, there was an equal amount of running and throwing shown.

Neither of the first units played defense, Red Burch paced the Blues with two TD's while Jack Wilson and Joel Arrington featured the Whites at tack. Altman led the Whites at quarterback, while Walt Rappold directed the Blue squad.

#### Smith, Schumacher **Capture Two Titles**

Steve Smith and Don Schumacher each won two individual crowns in the ACC championship meet held in College Park, Md., over the weekend.

Smith retained his conference title in the 50-yard freestyle event by tying his own meet record of :22.8. In addition, he bested runner-up Frank Culkin of the host Maryland flippers in the 100-yard event, clocking a respectable :51.8.

Schumacher scored his two victories in the breaststroke, copping both the 100 and 200-yard events, the latter in 2:35.4, was over Bob Geyer, highly-touted Terp star.

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