### Physics Student Explains Vande Graaff Accelerator

By ROBERT STOKES
Senior Physics Major
The nuclear research team of the University's Department of Physics is presently engaged in the installation of a Van de Graaff type charged particle accelerator.

The device, built by the High Voltage Engineering Corporation, consists of a large metal sphere supported on an insulating column and is housed in the large cylindrical tube in front of the Chemistry-Physics Physics Physics ics Buildin

Physics Building.

The accelerator derives its name from the small friction generator invented by Robert Van de Graaff about 1935 to which it bears a resemblance on a much larger scale.

The machine is designed to surmount the technical difficulties inherent in insulating the sphere when a five million volt potential is applied. The insulation is provided by mechanically carrying the electric charge up a rubberized belt, housed within the supporting column; the belt moves with a speed of approximately 60 miles per hour.

hour.

Also the sphere is surrounded by a mixture of gases at high pressure which possesses sufficient insulating properties to prevent lightning-like sparks.

An oscillator inside the sphere ionizes heavy hyrdogen gas and the resulting "deuterons" are strongly repelled by the metal sphere as a consequence of its voltage.

The particles are made to move down a vacuum tube and are best through a right page has a pressive sleetermagnet which serves

The particles are made to move down a vacuum tube and are bent through a right angle by a massive electromagnet which serves to remove all particles from the stream of deuterons which do not possess a given energy.

The monoenergetic beam of "deuterons" is then directed against a thin metal target. The individual particles possess enough energy to literally split the atoms in the target. The results are then analyzed on electronic computers and after much interpretive work can contribute to a basic undersanding of nuclear phenomena. contribute to a basic undersanding of nuclear phenomena.

### **Professors Get Grant** For Study Of Illness

A \$138,000 grant has been given to Dr. Charles B. Truax of Psychology on psychotherapeutic treatment of the mentally

Dr. Truax, associate profes of psychology, and Dr. Cark-huff, both formerly of the Uni-versity of Wisconsin, were award-

versity of Wisconsin, were awarded the grant by the Vocational Rehabilitation Administration.

The main purpose of the study, Dr. Truax said, is to observe group therapy of hospital mental group therapy of hospital mental patients, juvenile patients, and outpatients (those mentally ill who do not require hospitalization). The study is being done in association with Eastern Kentucky State Hospital, Kentucky Village, and the Veterans Administration Hospital.

Although the research is the

Although the research is the chief objective of the study, Dr. Truax explained, the educational value of the study is of great importance. Through this study, he said, therapists are trained

in the treatment of mental pa

The grant was transferred from ne University of Wisconsin to



LEXINGTON, KY., THURSDAY, SEPT. 12, 1963 Vol. LV. No. 5

Eight Pages

Silence Until Oct. 18

### IFC Warns Freshmen Against Rush Violation

The Interfraternity Council issued a statement Tuesday night warning freshmen that rush is closed until Oct. 18.

The council felt it necessary to the anno make the announcement again after reports of rush violations

GENE SAYRE

from several fraternities.
Freshman rush is closed until
the latter part of October each
year in order to allow members
of the freshman class to settle
down to college work and to form
a sound study schedule before
fraternity rush for the spring
semester begins.

ing a freshman during the period designated for silence the fraternity can be placed on social pro-bation and the freshman in-volved in the violation can be forbidden to pledge any fraternity for a period of one semester," Gene Sayre, IFC president, said.

"Concerning the matter of rush violations," Sayre said, "It is our hope that all fraternities and freshmen will realize that the rules set up by the IFC are for the good of the freshmen in become a few largest and the rules set up by the IFC are for the good of the freshmen in become a few largest and the world in the week." coming firmly rooted in the work schedule required in college and for the overall academic better-ment of the fraternity system."

Upperclass rushees who are planning to pledge a fraternity

a preference card in Room 102 of the Student Center between 8 a,m. and 1 p.m. Saturday, Sept.

Council rules provide that all Council rules provide that all men planning to pledge this semester must have a 2.0 over-all standing or a 2.0 for the pre-vious semester and have com-pleted at least 12 hours of col-

Fraternity pledge presentation will be at 2 p.m. Sept. 15 in Memorial Hall.

norial Hall.

The council also voted to present a scholarship award to the fraternity with the greatest overall grade improvement in any one semester. The award would involve a 50 percent reduction of a fraternity's IPC dues for the following semester.

"The fraternities pay dues to

"The fraternities pay dues to the IFC according to the numthe IFC according to the number of active members in the fraternity and the number of pledges they have. The rates run at \$1.50 an active member and \$3 for each pledge. A 50 percent reduction is a fair one as an award we believe," Sayre said.

The council also voted to present awards to all individual fraternity men who earn a 4.0 standing in a semester.

### Women's Residence Halls Expand To Full Capacity

It is not typical of the other women's resident units, but it is indicative. Six of the 12 residence units- are functioning with more than a capacity enrollment, said Mrs. Dixie Evans Smith, director of women's residence halls.

The overcrowded situation does not go unnoticed by University administration. In past years steps have been taken to alleviate the overcrowden.

steps have been taken to alleviate the overcrowding.

In 1957, Holmes Hall was opened. At this same time plans were already in progress for Blazer Hall.

Blazer Hall, is functioning at its capacity of 184 women, while Holmes Hall, has 319 women enrolled where it should only have 293. The reason for this is Blazer, a "study dorm" can be selective about the women living there, while Holmes accepts all the women it can handle she said. women it can handle, she said

The capacity of each unit can and does vary. The capacities of Patterson, Jewell, and Boyd Halls can be changed by re-designating rooms. By changing study rooms to either two women rooms or single rooms, the capacirooms or single rooms, the capaci-ties of the halls can be increased with no decreae in the efficiency of the hall, said Mrs. Smith. In the same way, Holmes and Keeneland Halls can accommo-date more women.

In 1969, the Women's Residence Halls leased three sections of Bowman Hall, from the Men's Residence Halls. In successive years, the women leased Breck-enridge and Kincaid Halls from the men.

the men.

This semester, when it was decided that the women needed still more room, Bradley Hall, which has a larger capacity than Kincaid, was leased. The women also acquired the two remaining sections of Bowman.

Mrs. Smith said the problem

is for women, is a problem of ee. Where formerly three male lents lived, relatively comfortably, two women feel crowdmore clothing and paraphernalia than men.

There are advantages and disadvantages to living almost any-where. Perhaps the facilities in the "quad" are not those de-signed by Franklin Loyd Wright; on the other hand the conditions aren't as crowded as they are in the other women's residence

With the stress on academic achievement, several women in the freshman class asked for a "study dorm" similar to Blazer, she said. The Women's Residence Halls, this year designed Jewell Hall for this purpose. This changed the canacity level for Jewell. ed the capacity level for Jewell.

At the present time Holmes Hall has 319 women enrolled; Hall has 319 women enrolled; Patterson, 130; Jewell, 107; Boyd, 129; Blazer 184, and Keeneland, 344. Breckenridge has 165; Bow-man, 138 and Bradley, 132. The cooperative Houses, Hamilton and Weldon are to capacity; and Dil-lard, which is the semi-coopera-tive has 19. Two under its capa-

Mrs. Smith said more help to Mrs. Smith said more help to alleviate the overcrowding is in the future. A new dormitory complex, to be built near the Sports Center, is projected, until then, overcrowding will probably continue, unless the number of women going to college decreases.

#### International Students

All international students now attending the University are requested to report to Mrs. Kathy White at the Interna-tional Student Center in Patterson House before Sept. 20. These students should bring a small photograph of themselves.

#### **Moot Court** Opens Today

Moot Court competition gets underway at 6:30 p.m. today in the Lafferty Hall courtroom with a civil action for libel against a newspaper for reporting an incident of basketball player shaving points.

A course in practice law court is required of all third year law students and each student argues two trials: one civil and one criminal. Civil trials are scheduled at 6:30 p.m. every Thursday evening. The criminal cases are heard at 1:30 p.m. on Fridays. Prof. James R. Richardson, the instructor for the course acts as

Prof. James R. Richardson, the instructor for the course, acts as judge in the civil cases, while local judges and attorneys serve as judges in the criminal trials. First year law students are jurors for both actions.

The Moot Court allows seniors to compete for a chance to argue in the prize trial on Law Day, for which a \$300 cash prize is presented by a Lexington law firm. Law Day, a national observance of the legal profession, is held early in May.

servance of the legal profession, is held early in May.

In tonight's trial, Don Hrobovsky and Lucien M. Hall argue for the defendant-newspaper.

The plaintiff is represented by R. L. Ballou and Tex Fitzgerald. The criminal trial Friday involves a case in which a police. The criminal trial Friday involves a case in which a police-man is shot during a raid on a gambling establishment. A lamp is overturned in the gun battle and burns up the establishment, thus destroying much of the evidence. Chip Rice and Clifford Smith represent the state in its prosecution and Dick Ward and Ilm Amete provide the defense.

prosecution and Dick Ward and Jim Amato provide the defense. The trials, which last about three hours, are open to the public. Trials follow the Ken-tucky Rules of Civil and Crim-inal Procedure as described in the Kentucky Revised Statutes,

### By BLITHE RUNSDORF Assistant Campus Editor Keeneland Hall, the largest women housed within its

women's housing unit, has a capacity of 304 women. At the present time there are 344

### World News Briefs

By The Associated Press

#### Washington

President Kennedy told the Senate today that the limited nuclear test ban treaty in no way limits his authority to use nuclear weapons for the defense of the United States or its allies.

In a letter, Kennedy also gave "unqualified and unequivocal assurances" that the safeguards urged by the military joint chiefs of staff would be fully carried out.

The president's letter was addressed to Sens. Mike Mansfield of Montany, the senate democratic header, and Exercit M. Divisor of

of Montana, the senate democratic leader, and Everett M. Dirksen of Illinois, the republican leader

#### New York

The heaviest first-hour trading in 26 years swamped the New York Stock Exchange ticker tape yesterday, the exchange reported.

Prices continued to rise, and at 2 p.m. the Dow Jones average of 30 industrials was up 5.74 to 743.17, well above its historic closing high of 737.98 established last Thursday.

Volume in the first hour totaled 1.84 million shares, compared with 1.11. Million yesterday and 2, 212.200 million shares Oct. 19, 1937. Volume later slacked off somewhat and was estimated at 6.5 million shares for the day, compared with 5.32 million yesterday.

#### South Bend, Ind.

Rock throwing and fist fights between whites and Negroes dur-ing an abortive end to a free party for 6,000 teenagers caused police yesterday to map plans for beefed-up patrols at high school football

The youngsters, worked into a hand-clapping frenzy by the gyrations of a rock 'n' roll singer, started the melee when lights in a football stadium were turned off last night for one number.

a football stadium were turned off last night for one number.

Columbia, S. C.

Three Negroes walked without incident onto the University of South Carolina campus yesterday and drove another breach through the South's crumbling resistance to public school integration.

In a registration procedure carefully staged by university officials, a Negro coed and two male students signed up for the fall term—cracking an all-white tradition that had stood for 86 years.

Forced to integrate by Federal Court decree, the university admitted Miss Henri Monteith, 18, of Columbia; Robert G. Anderson Jr., 22, of Greenville; and James L. Solomon Jr., a 33-year-old graduate student from Sumter.

State troopers and state law enforcement division agents patrolled streets surrounding the midtown campus.

streets surrounding the midtown campus

### Placement Service Sign Up Continues

Mrs. Katherine Kemper, director of the University Placement Service, has again asked that all UK students interested in obtaining full time employment either in December or May contact her.

"The Placement Service is here "The Placement Service is here to help the students locate employment when they leave UK. There is no charge for this service and the only requirement is that the students contact us and fill out a form which can be shown to recruiters when they come to campus," said Mrs. Kemper.

At the same time Mrs. Kemper released the list of recruiters who will be here for interviews during the first half of October. "We expect over 500 organizations to have recruiters here this year." Mrs. Kemper said. Over 200 have definite interview dates.

The Placement Service is located on the second floor of the Administration Building.

OCT. 1 At the same time Mrs. Kemper

Administration Sunding.

OCT. 1

Rural Electrification Administration—June and August Graduates in electrical, mechanical engineering at B.S. level. Citizenship required.

OCT. 1-3

E. J. Duport, de-Nemours, and

OCT. 1-3
E. I. DuPont deNemours and Co.—Chemistry, physics at all degree levels; chemical, electrical, mechanical, metallurgical, nuclear engineering at all degree levels.

OCT. 3

OCT. 3

Emerson Electric Manufacturing Co.—Electrical, mechanical, industrial, engineering (especially interested in electrical engineers with power option). Citizenship required.

OCT. 8

Avec. Corp. Electronics, and

OCT. 8
Avco Corp.. Electronics and
Ordnance Division—Electrical engineering at B.S., M.S. levels.
Citizenship required.
Corps of Engineers—Civil, electrical, mechanical engineering.
Citizenship required.
National Distillers and Chem-

National Distiners and Chemical Corp.—June graduates.
Chemistry at all degree levels; personnel management, chemical, mechanical engineering at B.S. level. Citizenship required for research and development. Limited

search and development, Limited opportunities for women.
Republic Steel Corp. — Electrical, mechanical, metallurgical engineering at B.S. level. Citizenship required. (Also metallurgical engineering, M.S. level).

OCT. 8-9

Askhord Coll and Refining Co.—

Ashland Oil and Refining Co.—

January graduates in Arts and Sciences, Commerce with interest in sales and marketing; January graduates at B.S. level in chemical, mechanical engineering. Men only. Citizenship required.

OCT. 11

Arvin Industries, Inc. — June graduates at B.S. level in electrical, mechanical engineering. Citizenship required.

OCT. 14-15

Swift and Co. (Chicago) Swift and Co. (Chicago)—An-imal husbandry, agricultural eco-nomics, general agriculture; busi-ness administration, business, management, general business, marketing at B.S. level. Citizenship required

OCT. 15

OCT. 15
S. D. Leidesdorf and Co.—Accounting, Will interview women,
Union Carbide Chemicals &
Union Carbide Olefins—B.S., M.S.
graduates in chemical, mechanical engineering for all activities other than marketing; graduates in chemical engineering for mar-keting activities. Citizenship or permanent visa required. Union Carbide Silicones—

Chemistry, chemical engineering at B.S., M.S. levels, Citizenship or permanent visa required.

OCT. 16
Kentucky Utilities Co. (Danville)—January graduates in electrical engineering at B.S. level.
Lexington Army Depot — Engineering graduates. Citizenship

18 UK Law Graduates Pass State Bar Exam

Eighteen June graduates of the University were among the 60 persons who passed the Kentucky bar examination this summer. The Board of Bar Examiners announced the names

Monday in Frankfort.

The examination was held in Lexington, June 25, 26, and 27. The University College of Law has received no official report on three other graduates who had been tentativley scheduled to take the examination.

Among the new attorneys are David Eugene Murrell, Covington; David Edgene Murrell, Covington; Philip Bedford Austin, Lexington; Larry A. Carver, Minford, Ohio; Howard Downing, Nicholasville; Marshall Polk Eldred, Louisville; William Clark Gornley, Lexing-ton; John William Graves, Pa-duch Lovall, Thumpa, Huches ducah; Lowell Thurman Hughes Prestonsburg; Robert Arthur Hutchinson, West Liberty. Frank Nisbet King Jr., Hender-

Frank Nisbet King Jr., Hender-son: Robert Gene Lawson, Lex-ington; Jefferson Vimont Lay-son Jr., Millersburg; Ronald Glen Polly,McRoberts; William Pres-ton Snyder, Georgetown; George E. Stigger III, Henderson; Charles

Local Students Tour AnthropologyMuseum

The University's ancient relics are providing an historic back-ground for Lexington junior high school students.

Seventh grade students from Tates Creek Junior High School visited the University Anthropol-ogy Museum Tuesday to study displays on Kentucky culture. The class is studying pre-historic Indians in Kentucky history.

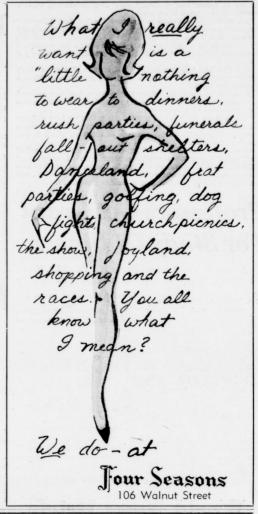
Elbert Tomkies, Huntington, W. Va.; Anthony Morgan Wilhoit, Versailles, and Herman John Yopp, Lexington.

Sept. 19 Last Day To File For Degree

Students expecting to receive degrees in January must file ap-plications in their respective dean's office by Tuesday, Sept. 18

dean's office by Tuesday, Sept. 18 and Wednesday, Sept. 19. Those expecting degrees in the spring semester should file ap-plications in their Dean's office during the first two weeks of the spring semester.

Students are responsible for the filing of these applications.







Fulbright scholarship applications are available now at the International Center in Patterson House.

Applications for the foreign study grants may be obtained from Mrs. Kathy White, international student adviser. Only seniors and graduate students are

seniors and graduate students are eligible for the scholarships. All applications must be completed and returned to Mrs. White be-tween Oct. 15 and Oct. 30. Partial or full study grants are available from over 56 for-eign nations. There is a quota on the number to be accepted

on the number to be accepted by each participating nation. Students are selected to receive Fulbright grants on academic abilities and interest in area study in which foreign training would be beneficial. Foreign lan-

would be beneficial. Foreign lan-guage, technical research, and history students lead the list of grant receivers.

Applications for the scholar-ships will be screened by local, state, and national committees. Students selected to receive the grants will be notified in the grants will be notified in the

grants win be spring.
Dr. Kenneth Harper, director of the International Center and assistant dean of the College of Arts and Sciences, will serve as the chairman of the local and state Fulbright scholarship



### Kernel Woman's Page

Edited by Nancy Loughridge

### Campus Organizations Reviewed

(Editor's Note: This is a continuation of the review of campus organizations, their objectives and requirements for membership.)

Pi Sigma Alpha: membership in this national political science honorary is based on the candi-date's having had at least ten hours of political science in which he has maintained an average of he has maintained an average of 3.0 or above. Two formal initiation banquets are held each year for new members who are selected from the fields of government, political science, public administration, or international relations.

Speech and Hearing Club: membership open to all students interested in the fields of speech pathology and audiology. Members gain additional education in the field through guest speakers and practical observation of clin-ics and hospitals.

Sigma Delta Chi: professional men's journalistic society, endea-vors to maintain the high ethical and technical standards of the and technical standards of the journalism profession. The University's undergraduate chapter selects its members on the basis of scholarship in journalism and intention to become professional journalists. The chapter sponsors a high school newspaper contest, produces a circular about the UK School of Journalism.

Theta Sigma Phi: national professional fraternity for women in journalism has as its purposes to unite women journalists and to inspire members to greater individual effort. Membership is selected on the basis of scholastic achievement, intention to pursue journalistic careers, and the approval by the active chapter and head of the department. Theta Sig presents an annual award to the outstanding woman in journalism, cosponsors with SDX the high school press clinic and participates with alumnae in the alumnae in the annual Matrix banquet. Theta Sigma Phi:

Kentuckian: membership Kentuckian: membership is open to anyone who is interested in working or has had experience in publishing a vearbook. The annual is distributed in the spring and sales are made at the time of fall registration and the first few weeks of September. Students may receive one hour of credit if a journalism practicum in yearbook editing is taken.

Kernel: the South's outstand-Kernel: the South's outstanding college daily newspaper is published Tuesday through Friday and gives news, features, society, and sports, in eight pages each day. Work is done by journalism students but those students who have an interest in working on the paper may join the staff by taking a journalism practicum in newspaper editing practicum in newspaper editing or by volunteering their services three hours a week.

Pi Tau Sigma: membership is based on scholarship, recommen-dation of the faculty, and accept-ance by members of the organ-ization. A national mechanical engineering honorary the Uni-versity chapter has kept files of current employers interested in securing mechanical engineers securing mechanical engineers and offered assistance of Engineers' Day.

Tau Beta Pi: new members from all phases of engineering are elected twice annually by the society. To be eligible, students must have a 3.0 standing and be in the upper one-eighth of their hundred says or upper one-fifth of junior class or upper one-fifth of their senior class. The national their senior class. The haddhan honorary recognizes those stu-dents who have excelled scholas-tically as undergraduates in en-gineering, and to recognize alumni who have made outstanding ac-

Law
Student Bar Association: an organization composed of all students in the College of Law to foster and coordinate efforts for

complishments in the field of engineering.
the common professional benefit of the members.

Medicin

Medicine
Alpha Epsilon Delta: an international honor society for premedical students to encourage excellence in pre-medical scholarship and to promote cooperation
among medical students, premedical students, and educators

gram of pre-medical education. Members must have a standing

Pryor Pre-Medical Society: to encourage an interest in med-icine, the chapter aids all pre-med students academically and socially, and serves as a me-dium through which association can be made with leaders in the field of medical science

### Campus Calendar

Sept. 12—Day off from rush
Amateur radio club meets at 5 p.m. in Anderson Hall
13—Sorority Preference Night
Rushees sign preference cards after last party
14—Fraternities entertaining with theme parties
Fraternity rushees sign preference cards during the morning
Spindletop Hall Dance
15—Sorority bid day and pledging
Fraternity bid day and pledging

Meetings

Amateur Radio Club
The UK Amateur Radio Club
will meet at 5 p.m. today in 130
Anderson Hall, the electrical
power lab. All persons interested in ham radio operations are in-vited to attend.

Pence Physics Club

The Pence Physics Club will sons are invited to attend.

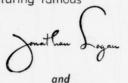
hold its first fall meeting today at 4 p.m. in Room 155 of the Chemistry-Physics Building, a demonstration of the use of an be followed by a discussion and refreshments. All interested per-

# You are cordially invited ...

to attend an informal

# Showing

featuring famous



#### BUTTEKNIT

**FASHIONS!** 

The lovely beauty queens pictured here will model the newest Fall creations by these famous designers

> 10 a.m. to 4 p.m. Saturday September 14th

> > at our store

REMEMBER TO REGISTER! One outfit from each of these two famous designers will be given away. No purchase necessary, you need not be present to win.



Ample Parking at Rear of Store



Kappa Alpha Theta Sophomore Miss Lexington

ROGAN Delta Delta Delta Sophomore Miss Southeastern Kentucky





REBECCA "Becky" SNYDER Freshman Miss Owensboro

Kappa Alpha Theta Senior Little Kentucky Derby Queen



- Come in and enjoy a Coke with us. And, if you're downtown shopping and you're in a rush, stop in for a sand

This week's winner of the Wondamere Sweater Outfit was Miss Val Kish from Blazer Hall.

Be sure and watch our ad next week for the names of next week's winners.

### **Prepare Carefully**

Incoming freshmen are usually eager to establish a fine record at the University, but they aren't always sure how this is done. To this end, the Kentucky Kernel oflers a recipe for success.

As is true with most recipes, this set of directions is failure-proof, but the cook (in this case it's you, student) is only human and susceptible to error. Prepare carefully.

The basic ingredients are industry, ambition, dedication, and brain-power.

The directions are as follows:

Step one-go to class. Instructors want to see you in class. Besides, it's necessary for the next step.

Step two-take notes, lots of 'em. How else to study for exams?

Step three-write down assign-



ments. You may think you'll remember them, but following an afternoon Grille session you won't.

Step four—do assignments immediately. Falling behind is the downfall of many freshmen and upperclassmen. Don't.

Step five-establish regular study hours.

Step six-turn in neat and accurate papers. Spell correctly.

Step seven—see your instructor during his office hours if you have difficulty.

Step eight-find the library and learn how to use it. This step is essential-now and all through one's education.

Follow the directions, using the basic ingredients, and the result is more than likely to be a *piece de resistance*—that's French for a top-notch record.

#### Kernels

Success comes in cans. Failure comes in can'ts.—Jean Batiste Moliere

Doubts are more cruel than the worst of truths.—Jean Batiste Moliere

Necessity is the plea for every infringement of human freedom. It is the argument of tyrants; it is the creed of slaves.—William Pitt

For the maintenance of peace, nations should avoid the pin-pricks which forerun cannonshots.—Napoleon

Those who never retract their opinions love themselves more than they love truth.—Joubert

Nothing is politically right which is morally wrong.—Daniel O'Connell

### The Kentucky Kernel

UNIVERSITY OF KENTUCKY

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THOMAS FINNIE, Circulation Manager

Kernel telephones: News, extension 2302; Advertising and Circulation, 2306

### **Year-Around Schools**

Each year more colleges and universities in the United States are operating on some kind of year-round basis. With some variation of method this is true also of high schools and junior high schools in many parts of the country.

Some of the higher institutions do it with the trimester system pioneered at the University of Pittsburgh. After five years of this system at the postgraduate level, Dean Courtney C. Brown of the Columbia University School of Business says it "has won a growing degree of acceptance and support of faculty as well as students."

Many universities have arrived at a roughly similar result in undergraduate work through gradual expansion of summer school programs in response to demand. This also is by far the prevailing tendency in secondary schools.

With the transition of North America from an agricultural to an urban society the original reason for a long summer vacation—to help with farm work—has gone. But in high school planning another factor has taken its place. That is summer family travel. For this reason high school summer work has to be devoted largely to makeup courses, accelerated courses or auxiliary rather than essential subjects.

Thus far the best summer school work is in suburbs or small cities, not in the congested centers where a year-round program would make most sense and help solve juvenile problems. The reasons for this lag are largely financial; it takes extra teachers or extra pay to set up such programs.

But in many parts of the South and West new high schools are being built with air conditioning or older ones being equipped with it. This is economy in the long run, for then the plant capacity can be increased by fuller utilization.

The 12-month school calendar represents a trend that has established itself in graduate education, is very widespread at the college and secondary level, and is ripe for consideration even in many urban elementary schools.

-The Christian Science Monitor

#### Kernels

A little nonsense now and then is relished by the wisest man.—Anonymous

The foolish and the dead alone never change their opinion.—Lowell

The pain of the mind is worse than the pain of the body.—Syrus

**News Analysis** 

### Red China Baiting Russia But To No Avail

By GEORGE SYVERTSEN Associated Press Writer

MOSCOW-Red China's current Russian-baiting campaign apparently is aimed at provoking the Kremlin to break state or party ties with Peking. So far Moscow has not risen

Seeming to sense danger, the Russians are displaying a patience that must be galling to fiery-tempered Premier Khrushchev.

Aside from propaganda attacks linking Khrushchev with the "imperialist enemy," the Red Chinese put on a rowdy two-day demonstration on the Soviet-Chinese border in Siberia last week that outraged the Russians.

The government newspaper Izvestia told its readers yesterday what it said went on at Naushki, a border point, when the Peking-Moscow express crossed from China Friday.

Chinese passengers openly displayed contempt for the Russians by defying customs officials, roughing up passersby and—in a crowning indignity—by urinating in public in the railway station, Izvestia reported.

Instead of jailing the Chinese, the Russians, on instructions from Moscow, sent the Chinese back to China Saturday. Soviet border guards confiscated anti-Soviet literature. The Chinese who carried out the sit-in at Naushki were not private citizens engaged in spontaneous hijinks.

The well-drilled squads Peking sends abroad with even the most insignificant details of their behavior and conversation outlined would be incapable of creating such a scene without orders.

The impression left by this and other provocative actions by Chinese in recent months clearly indicates a deliberate attempt to infuriate the Russians.

China might want a break in party or even government relations, and hopes to force Moscow to take the step or to give the Chinese the pretext for rupturing relations.

But Soviet propaganda organs in heaping abuse on the Chinese, keep well within guidelines laid down by major party statements on the Soviet-Chinese quarrel.

The major Soviet refrain is Russia's avowed dedication to peace and its opposition to alleged Chinese demands for war.

Kremlin propaganda chiefs are now believed working on a reply to Peking's virulent charges against Khrushchev last week. They will have to answer Chinese allegations that:

• The Russians "enticed and

coerced" several thousand members of a Chinese National Minority Group into fleeing to the Soviet Union.

- Khrushchev had decided to "abandon Socialist Hungary to counter-revolution" and only crushed the 1956 Hungarian revolt at Peking's insistence.
- The premier returned from a meeting with President Eisenhower in 1959 to press Peking to recognize the Nationalist Chinese regime on Formosa and accept the "two Chinas" formula for settling China's differences with the west.
- Russian leaders have joined the United States, India and President Tito's Communist Yugoslavia—a favorite Chinese whipping boy—in a "Holy Alliance" to halt people's revolutions and restore capitalism.

There is speculation in Moscow that the Chinese might be building up to a discussion of Khrushchev's activities as one of Stalin's top lieutenants and other hitherto unpublished details of his career.

The threat of such disclosures, plus other Communist Party secrets, is believed to be a consideration uppermost in the minds of Kremlin strategists.

Another problem is the possible

effect on the Soviet public of a frank discussion of topics taboo in Russia.

The Russians, who until a year ago were being told that blissful ties of eternal friendship joined Red China and Russia, have been hit in the past six months with a bewildering barrage of sensational revelations of Soviet-Chinese enmity. The effect on their credulity is difficult to gauge.

All that westerners in Moscow have been able to learn is that most Russians profess firm opposition to the Chinese line. They appear to believe Soviet policies are genuinely directed toward preserving peace and that the Chinese want war.

Any resentment over having been kept in the dark about the dispute with Peking seems to have been overshadowed by the nationalist fervor that traditionally unites the Russians in times of trouble.

There is scattered evidence of growing uneasiness over the prospect of serious trouble with China.

One Russian, who was familiar with details of the latest Peking attack, said after the Naushki incident: "What are they trying to do? Do they really want to start a war?"

### 'Nausea' Provides View Of Existentialist Thought

By JOHN PFEIFFER Kernel Arts Editor

The story of a French writer who is horrified at his own existence is hardly a pleasant subject for a book.

However, Jean-Paul Sartre's treatment of a futile existence in "Nausea" gives us an intimate view of the Existentialist creed. "Nausea" is Sartre's first and probably most important piece of



#### Essay On Law To Be Published In New Collection

An article written by Prof. Thomas P. Lewis, College of Law, has been chosen for publication in a special collection of

cation in a special collection of essays on constitutional law. Prof. Lewis' essay was chosen by a committee of the Associa-tion of American Schools to ap-pear in a book titled "Selected Essays on Constitutional Law, 1938-63." It will contain about 40 articles written in the past 25 years.

25 years. The article explores past and potential application by the U.S. Supreme Court of the Fourteenth Amendment to the U.S. Constitution. (The amendment deals with civil rights.) It first appeared in the Columbia Law Review in 1982.

In 1958, Prof. Lewis was awarded a Ford Foundation grant for graduate study at Harvard Uni-

#### Current Best Sellers

FICTION

"The Shoes of the Fisherman,"

"Elizabeth Appleton," O'Hara. "Caravans," Michener. "City of Night," Rechy. "The Glass-Blowers," du Mau-

#### NONFICTION "My Darling Clementine," Fish-

'The Fire Next Time," Bald-

"I Owe Russia \$1,200," Hope.
"Terrible Swift Sword," Catton.
"The Whole Truth and Nothing But," Hopper and Brough.

work. It was published in France in 1938 and has since come out in paperback in this country. Written in an impressionistic, diary form, the book reveals the pettiness and frivolity in life. It

pettiness and frivolity in life. It shockingly portrays the transiency and meaninglessness of existence without hope.

And because of the author's unmistakable command of language, the reader finds himself painfully involved in Antoine Roquentin's dismal introspection.

In short, Roquentin walks through life with a completely negative feeling toward everything that once had been important to him. The absurdity of existence smothers him.

Only the words of an American "blues" number can afford any comfort:

"Some of these days

Some of these days

You'll miss me honey . . ."
'Someone must have scratched "Someone must have scratched the record at that spot because it makes an odd noise," Roquentin thinks. "And there is something that clutches the heart: the melody is absolutely untouched by this tiny coughing of the needle on the record."

The melody seems to say to Roquentin, "You must be like me; you must suffer in rhythm."

To so beyond time, to find

To go beyond time, to find something lasting is the only cure for his nausea. To create becomes the ultimate cure.

The woman he once loved continues along her blind road to self-destruction. The "Selfself-destruction. The "Self-Taught" man desperately seeks acceptance in a realm complete-ly foreign to him. The men and women around him continue their hypocritical facade of afflu-ence and social integration.

Thus the nausea creeps in.

And Roquentin's only road to

salvation emerges, then, in creating. We are not told what happens to him. But he does feel that if he could write a book, create something that would beat time, so to speak, existence would be worthwhile.

"Couldn't I try . . . Naturally, it wouldn't be a question of a tune . . but couldn't I, in another medium? . . . It would have to be a book; I don't know how to do anything else.

"But not a history book: history talks about what has existed—an existence can never justify the existence of another existant."

justify the existence of another existant."

For a thorough and absorbing dramatization of existentialist thought, read "Nausea." It is interesting reading and highly enlightening on an important contemporary philosophy.

ingineining on an important con-temporary philosophy.

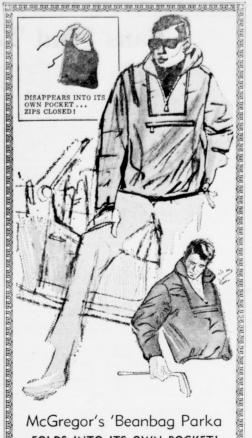
Two of Sartre's plays are rec-ommended, also. "The Devil & the Good Lord" and "No Exit" are both available in paperback. "No Exit" has been made into a movie and is reportedly well done.

"Nausea," by Jean-Paul Sar-

tre, New Directions Paperbook, Norfolk, Conn., \$1.45.

#### Correction

Correction
Dr. Kenneth Harper is the assistant Dean of the College of Arts and Sciences and not the dean of men as was stated in Tuesday's Kernel.
Two college deans were inadvertently omitted from Tuesday's list of Who's Who on the campus. They are:
College of Nursing, Marcia Dake, Medical Center.
College of Dentistry, Dr. Alvin L. Morris, Medical Center.



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### Fans Find Tech Openers Distasteful

Kernel Associate Editor Season openers with Virginia Tech may be a distasteful subject for University fans. They may remember the upset loss to the Gobblers at the beginning of the 1962-63 basketball season.

Tech is due in Lexington again Sept. 21, this

Tech is due in Lexington again Sept. 21, this time to inaugurate a football season.

Head Coach Charlie Bradshaw said of the upcoming encounter, "It's going to be like old home week for my buddy, Jerry Claiborne, and several of his assistants."

Claiborne, the Gobbler head coach, played on the UK varsity with Bradshaw and later served with him as an assistant to Wildeat mentor Paul (Bear) Bryant.

The coincidences do not stop there, Bradshaw commented, "They are going to be hard enough to beat without having to battle this homecoming-inreverse psychological advantage."

Bradshaw may have had in mind the fact that

reverse psychological advantage."

Bradshaw may have had in mind the fact that Virginia Tech is a veteran team with a head coach who bears sterling credentials.

Twenty-nine lettermen, 14 seniors and 19 juniors, form the nucleus of the Gobbler squad, which is picked to give West Virginia and Virginia Military Institute stiff competition for the Southern Conference title.

Junior quarterback Bob Schweickert, 3-1 and 188 will mainstay the offense for the Gobblers

Junior quarterback Bob Schweickert, 3-1 and 188, will mainstay the offense for the Gobblers. Schweickert led Tech scorers last year with five touchdowns, although he was out of action the first half of the season.

Depth is expected to provide a tough defense for the Virginians, and past performances are a good indication. The Gobblers have led their conference in total defense two seasons running.

Ament first staters is all conference unard.

Among tentative starters is all-conference guard from last season Newt Green, a 6-1, 195-pounder from Whooten. Tackle Gene Breen made all-con-

ference two years ago.

Back to main line positions are eight lettermen guards, five tackles, four ends and two centers. Right guard Mike Hvozdoic and left end

Tommy Marvin are juniors, while all other prospective line starters are seniors.

Behind Schweickert at quarterback is junior

Behind Schweickert at quarterback is junior Lacy Edwards. Another junior, Sonny Utz, is rated ahead of four lettermen fullbacks. Utz averaged four yards per trip in 36 carries last year. Veterans are slated to staff wingback and tailback positions. At wingback Tommy Hawkins and Billy Babb are making the bid. At tailback two Louisvillians, former rivals, are working toward a starting berth. Mike Cahill comes from Louisville St. Xavier High School, and Buddy Weihe from cross-town rival Flaget High.
Claiborne, a Hopkinsville native, said of his

Claiborne, a Hopkinsville native, said of his third Virginia Tech squad, "We should have a win-

ning season."

There are other connections between Kentucky and Tech. For example, V. P. I. president Dr. Marshall Hahn is a Lexington native and 1945 graduate of the University.

Tech Athletic director Frank Moseley also has a close connection with the Bluegrass. He served as assistant coach at UK in the mid-thirties and again in the mid-forties.

Three of Claiborne's aids also have had the subther the University Claif existent execution. But

Three of Claiborne's aids also have had ties with the University. Chief assistant coach Bill (Moon) Conde played in three post-season bowl games for the Wildcats in the early fifties.

Assistant Coach Doug Shively is the son of UK Atheitic Director Bernie Shively. The younger Shively had an outstanding career as a Wildcat. He graduated in 1959.

Another Tech assistant, John Shelton, received

Another Tech assistant, John Shelton, received his Master's Degree from the University in 1957, serving the following two years as a graduate

Rounding out the unusual coincidences is the fact that V. P. I.'s equipment manager, Luke Lindon, was a star athlete on Kentucky teams in the late thirties

When Kentucky lines up against the Virginia squad, a series dating to 1926 will be reinstituted. The record stands at 2-1-2 in the Wildcats' favor. The last game in the series was played in 1942

when the teams deadlocked 21 to 21.

Virginia Tech is not scheduled in 1964 or 1965.



Vacancies

om Hutchinson (80), and Jerry Woolum (17), were the mainstays toach Charlie Bradshaw's airborn invasion last season. Expected Coach Charlie Bradshaw's airborn invasion last season. Expected to take over for the graduated passing duo are Rick Norton and Rick Kestner.

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### McClendon Presents Tip To Make Good Athletes

By CHARLES McCLENDON Coach at Louisiana State Written for AP Newsfeatures

In my presentation I am going to depart from the usual "tip." My tip has nothing to do with the mechanics of football in the sense that blocking, kicking or passing might be classified. My tip has to do with acquiring an intangible quality which is every bit as important as any fundamental in the game.

This intangible goes by many names. Some call it desire. Others refer to it as competitive spirit. I like to think of it in the term we use at LSU. We call it SECOND EFFORT.

I would never minimize the first effort in any endeavor, but like everthing else in life, the first effort sometimes fails. That's when the true champion calls on something within himself to give SECOND EFFORT

At the risk of sounding like a negative coach, I must be honest. I know that during the course of a game, our opposition will execute effective blocks on our players. We therefore teach our players that "it is not a crime to be blocked in a football game



CHARLIE McCLENDON

It is a crime to stay blocked."

sters should develop mental dis-cipline along with strength and agility. They should learn to be quick in their movements, even if they are not blessed with speed. And, above all, never give up until the whistle sounds, because de-SECOND EFFORT might be the

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### Wilkinson Leads Nation's Coaches

Every football season there is a vicious battle for teams to break into the select top 10 teams of the nation. But what about the coaches? Who are the nation's best? Where do they coach? Where did they play?

The 20 best career records among the mentors at the 119 schools playing "major college" football belong to coaches scattered from the East along the Atlantic Coast, through the South, the Midwest, the Missouri Valley and the Southwest to the Pacific Coast.

They played football at the state universities, the private schools and the church schools; emigrating there from the farmlands, the mining country, the small towns, the factory towns and the big cities.

Usually, they began coaching as an assistant at their alma mater, but on accepting the full chal-lenge of the profession many traversed the nation in absorbing the process of teaching and learning.

Bud Wilkinson of Oklahoma has compiled the finest record of all the head coaches currently active in "major college" football -137 victories, only 27 losses and 4 ties in his 16 seasons for a winning percentage of .821



JOHNNY VAUGHT

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Wilkinson was born in Minne-sota and attended the University of Minnesota where he gained All-Big Ten honors.

Johnny Vaught at Ole Miss Johnny Vaught at Ole Miss is Wilkinson's closest competitor due to a tremendous record of 39-3-1 for the past four seasons which has pushed his career total to 130-31-7, for a percentage of .795. Born in Texas, Vaught was an All-American guard at TCU.

The third best record belongs to Woody Hayes of Ohio State, with an overall record of 111-37-6 for a .740 percentage. Hayes played at Denison College in Granville, Ohio, and began Granville, Ohio, and began coaching there before moving to Miami and then Ohio State.

Bear Bryant of Alabama is fourth with an 18-year record of 132-47-13 for .721 percentage. Born in Arkansas, Bryant played at Alabama, where upon following graduation he stayed on to coach the freshmen. He then went to Vanderbilt, Maryland, Kentucky, Texas A&M and then back to Alabama.

In his eight seasons at UK, Bryant had a record of 69-25-5. His best season was 1950 when the Wildcats carded an 11-1 record and defeated Oklahoma, 13-7. in the Sugar Bowl.

Dartmouth coach, Bob Blackman ranks next with an overall 93-34-8 for a .718 percentage. Blackman played his college

Judo Club

The UK Judo Club will hold The UK Judo Club will hold its first meeting at 7 p.m. Tuesday in Barker Hall. All men who are interested in learning the contest type of judo are urged to attend the meeting.

Henry Chapman, a black belt holder, will be the instructor. Mr. Shigihara, a black belt from Tokyo, will assist Chap-

The Judo Club will practice the type of judo that is sanctioned by the AAU.

**Delivery Service** 

Drugs

Bobby Dodd of Georgia Feet, is sixth percentage-wise with 135-53-7 for a .710 to close out a select six, which through the years have won over 70 percent of their games. Dodd was an All-American at Tennessee



PAUL (BEAR) BRYANT

Bill Murray at Duke, Ben Schwartzwalder of Syractuse and Shug Jordan of Auburn are bunched within one percentage point of 7th, 8th, and 9th piaces. Murray played at Duke and has an overall record of 127-54-9 for .692. Schwartzwalder played at West Virginia and has a record of 111-49-2 for .691. Jordon returned to his alma mater in 1951 and has a 12-year record of 83-36-4 for .691.

Warren Woodson, of New Mexico State, has more victories than any other active coach, 208. His teams have lost 92 and tied 18 during 32 seasons.

Rounding out the 20 are Dr. Eddy Anderson of Holy Cross (194-117-14), Jess Neely of Rice (193-150-19), Rip Engle of Penn State (114-56-8), Odus Mitchell of North Texas State (106-63-8), Andr. Givers (108) Andy Gustafson of Miami (112-Andy Gustatson of Maam (12-74-4). Frank Howard of Clemson (132-83-10). Trevor Rees of Kent State (89-54-4). Phil Dickens of Indiana (84-55-11). Frank Camp of Louisville (92-62-2). Buff Donelli of Columbia completes the (93-76-6) list.

#### Ideal At Leadoff

LOS ANGELES (AP)—After missing 11 games because of a calcium deposit on the ball of his left foot, Maury Wills of the Dodgers got on base the first time up in eight straight games. He returned to action early in June drawing a walk and then started hitting singles his first time at bat in the next seven

Intramural Meeting There will be a meeting of all intramural team sports managers and a clinic for flag football coaches tonight in Room 107 of the Aiumni Gym.

Dave Ravencraft, assistant director of intramurals, an-nounced that the sports man-agers will meet at 6:30 p.m., and the flag football clinic will be held at 7.



TIPS ON **TOGS** 

MANY THANKS-To the scor w people that visited me in "Kentuckian Shop" last and many thanks to my friends and customers of old, for their return visits—I enjoyed every minute and sincerely look forward to seeing each and every one again!—'Tis very gratifying—If I haven't met you—I hope to!

NOT LONG - Until sweather NOT LONG — Until sweather weather (some cool evenings now) and may I suggest you select early for your knitted threads—they have a habit of disappearing from the shelves—like fast—"Gene Little" picked a real sharp one by McGregor, designed for their "Mid-nite Sun" collection. It is woven in a diamond-shaped pattern of burgundy, black, olive, and light blue. The material is 100% Orlon and is styled in the extremely and is styled in the extremely popular cardigan (or button-up) model. "Jerry Patterson" also chose the same sweater—but the colors of his sweater are black, olive, and light gray.

olive, and light gray.

ANSWER — To an often asked question—"Camel is the most versatile color for blazers"—can be worn with most any slacks except light gray—Dark Gray? Yes! Black? Yes! Brown? Yes! Navy? Yes! Dark Olive? Yes!

ANSWER — To another question—"Can you wear a tie with a sport shirt" — You can — but I hope you don't!

I hope you don't!

SEEING RED? — Of course you fare—and it doesn't mean that you are mad at anyone or anything—you are just seeing so many red striped dress shirts these days—these I like, but of course. I like red period!

LAST WEEK—I mentioned corduroy sport shirts with patched elbows—in the casual wear department they can't be beat — and that's a tip!

ANOTHER TIP — Guys tell me

ANOTHER TIP — Guys tell me that Dacron and Cotton slacks are perfect for campus and classreperted to campus and class-room wear — non-wrinkable — comfortable and easy to launder — wash — rinse thoroughly and hang to dry — do not put in dryers. Everything comes to an end and this is the end for this edition—



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# Organized By Men

The men's varsity team and Sgt. John Morgan, an Army ROTC instructor, are organizing a women's rifle team.

Pat Starks, a sophomore Arts chairman at the group's organizational meeting Tuesday.

Miss Starks father, a retired

#### **UK Wins** Seven Firsts At Fair

The University placed first in seven divisions Tuesday at the Kentucky State Fair at Louisville, including the grand champion and reserve grand champion

The grand champion, an Angus which was champion of its breed, was exhibited by Bobby Hall, a University herdsman.

University herdsman.
The reserve grand champion, also displayed by Hall, was a Hereford, tops in its breed.
UK was also first with a light Hereford and a heavy Hereford. The University entry of a light shorthorn was judged first in its class.

ass.
Neal Owens of UK was first in Guernsey judging, scoring 149 out of a possible 150 points. David O'Banion, also from UK, was first in Brown Swiss judging

Western State College students won most of the honors in intercollegiate dairy judging, with UK students participating. The first four in over-all judging were from Western.

#### ID Pictures

Students may pick up their ID cards in the Coliseum Lobby from 8:30 a.m. to 4:30 p.m. through Friday. Students must show their fee slips when pick-ing up ID cards.

zational meeting Tuesday.

Miss Starks father, a retired
army officer, is an avid marksman. Her two older brothers also
shoot. All the Starks including
Pat, are members of the National
Rifle Association.

Miss Starks first shot a rifle at Ft. Knox about four years ago, when her father was stationed there. Since then she has been a fixture on several ranges.

Last year Miss Starks shot on he University range several

She said girls who shoot for the new rifle team will be advanced to the men's varsity team if they show enough accuracy.

Matches will be scheduled with women's teams at Murray and Eastern state colleges if a University team is organized.

#### Freshman Y Picnic Set For Sunday

The annual Freshman Y fall picnic is scheduled for Sunday afternoon at the Adena Mounds

afternoon at the Adena Mounds near the Iron Works Road. The coed group, sponsored by both the University YM and YWCA, has planned a hooten-anny as entertainment at the

Don Leak, University YMCA director, said buses will leave from the Student Center at 2 p.m. Sunday and will be back by 6 p.m.

Mr. Leak said tickets are available in the YM or YW offices at the Student Center.

### Women's Rifle Team Illinois Microbiologist Isolates **Key Chemical In Virus Operation**

By JOHN BARBO ociated Press Science

NEW YORK - There is more than one way for a virus to get its damaging message through to a cell.

There has to be because there

There has to be because there is more than one kind of virus.

A University of Illinois microbiologist, Dr. Sol Spiegelman, said today he has isolated a key chemical which in a sense tells how one kind of virus operates.

All cells have at their heart desoxyribonucleic acid (DNA)— the genetic library from which all of the cell's characteristics are determined.

Scientists have long known that some viruses are also made up of DNA—and they have shown that such a virus can substitute its messages for the cells' genetic message.

But there are other viruses made up of a different kind of nucleic acid—ribonucleic acid (RNA).

Scientists also know that the DNA in a cell transmitted its messages via a sort of messenger made up of RNA.

But it has always been a ques-tion as to how the RNA viruses got their messages through to

the DNA genes of a cell. They just didn't speak the same lan-guage.

But Siegelman has found that But Siegelman has found that the RNA viruses don't bother with the cells' basic genetic ma-terial DNA. Instead, the RNA viruses pose as the RNA messen-gers, he suggested in a paper pre-sented to a meeting of the American Chemical Society.

In this way, they can operate within the cell, with the cell's energy and machinery to make more virus material—without ever consulting the "boss" DNA.

The clue to this was the isolation of an enzyme—a chemical that acts as a middle-man in various chemical transactions. The enzyme is not native to the cell—and so it had to be a product of the RNA virus that infected the cell.

Besides this, Spiegelman has found a peculiarity of the other sort of virus—the DNA virus. It suggests something about the internal workings of the cell itself that can be highly significant.

The DNA—which is the total information the cell is born with, the rules by which it lives, the plans for making new cells—exists as a double strand of

But oddly, Spiegelman has found that only one of the strands acts as the transmitter of genetic ideas. It is almost like having two sets of type, one linked to the other, perhaps back to back, but only one acts as the printing side.

This could have some significant

This could have some significance for understanding the way the cell keeps and transmits its information-and just how that information is stored within the

#### **Guignol Prices** To Be Raised

Prices will be raised for tickets to all Guignol productions, an-nounced Mr. Wallace Briggs, dir-ector of the Guignol Theatre.

"The cost of painting, scenery, and other materials has risen so in the past few years that the Guignol has had to raise its prices," Briggs said.

The previous price for student tickets, 75 cents, will be raised to 90 cents. Other tickets, formerly \$1, will sell for \$1.50. This is the first time in 15 years that the prices have been raised, he said.

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Iliams, 255-5488. 1084t

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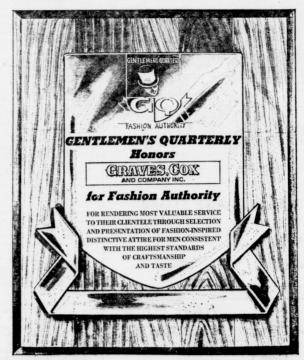
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