

Army Band  
Calls Cadence  
At Military Ball

# The Review

Sharp Talk  
On Sharp Hall—  
See Page 4

Vol. 75

The University Of Delaware, Newark, Del., January 15, 1954

No. 15

## Lab Theater Presents Play, 'Platinum Wings'

"Platinum Wings," the one-act play to be presented next Monday night at 8:15 o'clock in Mitchell Hall as a Lab Theater production, is the first play to use sets constructed in the new E-52 workshop. This workshop is located in the recently renovated South Hall, the temporary building behind Evans Hall.

George Cavey has designed the sets and supervised their construction. For "Platinum Wings," a fantasy laid in Heaven. The Mitchell Hall stage will be transformed into a celestial office floating among the clouds. A golden gate will be the predominate feature of the setting, and winged angels will work at their gilt typewriters in an atmosphere of glittering fantasy.

Featured in this original play by Pat Emmott are Bill Brown, playing Satan; Ken McElroy as Saint Peter; and Barbara Miruk, Floydie Berl and Irven Rinard playing the angels. Martha Shillito is the director of the play.

Many advantages are held by South Hall over the old Mitchell Hall workshop. South Hall enables sets to be constructed, painted and stored simultaneously without hampering the effectiveness of any other workshop activities. Other features of the new workshop include a drafting room for the designing of sets, costume storage rooms, tables for cutting and sewing costumes and an area for storage and the construction of properties.

The new workshop has been warmly welcomed by those who work backstage on E-52 productions. The features of South Hall are contrasted to the old workshop in the basement of Mitchell Hall, where a single room was the only available location for all technical phases of the productions.

Following "Platinum Wings," the first act of "The Last Mile" will be presented by the Lincoln University Players of Lincoln University, located near Oxford, Pa. Directing this play will be Abram Hill, a director and founder of the Negro Theater of New York.

### SENIORS

Graduation announcements will be sold in the library basement through next week, 9 a.m. to 4 p.m.

## Extension School Offers Two New Evening Courses

Gordon C. Godbey, associate director of the Extension Division of the university, has announced two new courses for the second semester of the 1953-54 school year.

The first of these courses, Education of Exceptional Children (Ed 4185), will be taught by Mrs. Ruth Tyndall in Harrington on Monday evenings, beginning February 8. The course carries 3 credits toward the undergraduate degree.

Education of Exceptional Children is a general approach to the educational problems presented by the "exceptional" or handicapped child. Although emphasis will be placed on the emotionally unstable or maladjusted child, the gifted, the orthopedically handicapped and the mentally retarded will also be considered. Actual case material will be used and members of the class will consider additional cases from their own experience. Observation trips will be made and opportunity will be provided to meet informally with psychiatric and medical specialists, psychologists and teachers engaged professionally in this field.

The second course, Discussion (D 3525), is taught by Dr. Ray E. Keeseey of the Department of Dramatic Arts and Speech. It will be offered Monday evenings in Wilmington beginning Feb. 8. The course deals with procedures used in exchanging information, solving problems, determining policies and resolving differences in committees and other small groups. The course will be limited to 15 persons who will participate in frequent practical sessions as group

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## Snyder And Reinke Contend For Military Ball Queen Title



MARIANNE REINKE



BARBARA SNYDER

### Society To Honor Newest Members

"The Queen Is Crowned"

"The queen is crowned," will be repeated this Friday night as the ballots of those in attendance herald either Marianne Reinke or Barbara Snyder as queen of the annual Military Ball. Marianne, a senior Home Economics major from Cambridge, Maryland, and Barbara, a sophomore Home Economics major from Wilmington, will vie for the honor as candidates proposed by Delaware Rifles and Scabbard and Blade.

The name of the queen will be disclosed during the intermission, following the balloting at the door. Each couple will be asked to vote upon entering the Carpenter Field House, depositing the ballots in boxes near the door adorned by pictures of the candidates.

During the intermission, Jim Schaubel, president of Scabbard and Blade Society, will make the first public announcement of the queen of the Military Ball. At that time the honored coed will receive a bouquet of red roses and a silver plate inscribed "Queen of the Military Ball, 1954."

The Maid of Honor, recognized at the same time, will receive a gardenia corsage and a personalized silver bracelet.

In honor of the queen, the Delaware Rifles will execute a precision military drill with arms. The victorious candidate will then lead the Grand March, terminating the intermission, with the president.

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## Debate Team Sees Second Big Match At King's College

On February 20, the debate team of the University of Delaware will travel to Wilkes-Barre, Pa., to participate in the second big debate of its 1953-54 season.

The Wilkes-Barre debate will be held at King's College, with twenty colleges expected to be represented at the event, including such well-known schools as Princeton, Dartmouth, Bucknell and Temple.

The question for debate is the current national topic; "That the U. S. should adopt a policy of Free Trade."

The University of Delaware team recently debated this question at Temple University, winning three out of eight debates in the novice tournament.

Dr. Keeseey, faculty advisor to the team, is giving the debaters numerous practice sessions in an attempt to prepare them for the Wilkes-Barre event; a practice debate at the Immaculata Girls' School will be held this Thursday.

The university Debate team plans to wind up its season with a trip to a tournament at Brooklyn, New York, at which the most rigid competition to date will be encountered.

## Development Fund Begins 15th Year

The 1954 Development Fund Kickoff Banquet will be held tomorrow in the west wing of Old College at 12 noon. Approximately 65 alumni and alumnae class representatives will attend.

University President, Dr. John E. Perkins, will be the featured guest and will address the gathering on the current and future needs of the university.

The co-chairmen for the drive, Alice Sheldon Taylor '37, and William W. Swayze '38, have decided to take as projects for development the recreation park, student health center, academic equipment and dorm furnishings this year.

The luncheon will also serve as a meeting for the workers who represent their respective classes and divisions.

Alumni advisors Richard Groo and Henri Miller, who have offices in Purnell Hall, are in charge of the banquet. This year's kickoff will mark the 15th consecutive year that the development fund has been collected. In previous years the committee collected the money for scholarships and other equipment for the university.

## Engineers To Hold Combined Meeting

The student branch of the American Institute of Electrical Engineers will join with the student branch of the American Institute of Mechanical Engineers for a combined meeting on Monday, January 18th at 7:30 p. m. in room 308 Evans Hall.

The speaker for the evening will be Dr. William A. Mosher of the Chemistry Department. Dr. Mosher will speak on "Scientific and Technical Training in Europe" and will include in his talk some of his slides which he took on his trip last year. All students and faculty are invited to attend.

Arrangements for the meeting are being handled by John Bauer, program chairman of the A.I.E.E.

## Fiery Urges All-Out Effort In Safe Driving Campaign

"I solemnly pledge to myself and my fellow motorists that I will faithfully obey all traffic laws and regulations and, to the best of my ability, exercise good judgement and courtesy while driving. I further agree to voice my convictions on the traffic accident problem on appropriate occasions and remind others to drive safely by displaying the official emblem of the League on the rear bumper of my car." This is the content of the safe driving pledge which students and faculty alike are being asked to sign.

## Lack Of Interest Kills College Hour

College hour has been discontinued, according to a decision made by S. G. A. last Thursday, January 7th. The college hour committee made the following recommendation: "That college hour be discontinued starting next semester. In place of this, arrangements have been made to hold, four or five times a year, a general assembly of the student body at eleven on Thursday, and all classes for that day will be moved up one hour, if such a general assembly is needed." The recommendation was passed.

Mr. Bohning, registrar of the university, influenced the decision when he pointed out that the program has not been successful enough to merit the difficulties it causes in scheduling classes when one can't be scheduled for eleven on Tuesday, Thursday and Saturday. There have been two college hours this year, featuring the candidates for football queen and Dr. Edgar Fisher, respectively. Only fifty students attended the

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Extended efforts are being made by Cynthia Fiery, junior political science major who is chairman of the Safe Driving campaign, to enlist the cooperation of university students and faculty in an all-out effort to promote safe driving.

Upon signing the pledge, the persons will each receive a National Safe Driving League identification card and a bumper sticker for their car. This service will be free to students; faculty members will be charged fifteen cents.

Members of the faculty and administration will be approached personally by student government members in an attempt to gain general support. Members of the administrative body have been urged in a letter from Dean David L. Arm to give their cooperation to this drive.

Students who have cars registered with the university, including those living on campus, commuters, and graduate students, will be contacted by members of their group.

Frank Swain and Marianne Rienne, president and vice president respectively of the Student Government Association, recently

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## Artist Series Presents Basso, Jerome Hines

Jerome Hines, leading basso of the Metropolitan Opera, will appear in a concert in Mitchell Hall on Tuesday, January 19, at 8:15 p. m. He is appearing under the auspices of the Artist Series.

Mr. Hines' engagement here will be one of the 45, in addition to his Met performances, he will give during his seventh nation-wide tour under the direction of Impresario S. Hurok.

The six-foot-six singer, who was asked to leave his high school glee club because he couldn't carry a tune, is now in his eighth year at the Metropolitan, where he has appeared in a wide range of leading roles.

Hines began his current itinerary in late September of last year. He is familiar to both TV and radio audiences through such programs as "Toast of the Town." On Monday night, prior to his appearance here, he will appear on "The Voice Of Firestone" program. A concert highlight will be his appearance as soloist with the New York Philharmonic Symphony.

Last summer following his assignments at the Met and with such orchestras as the NBS Symphony under Arturo Toscanini, Hines sang with the Vienna State Opera, the Edinburgh Festival and the Glyndebourne Opera. He also

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JEROME HINES

## University English Major Appointed Poet Laureate

Mrs. Frances Shannon McNeal, an English major in the class of 1956, was recently appointed poet laureate of the state of Delaware by Gov. J. Caleb Boggs.

Mrs. McNeal was appointed for a one year term to succeed Mrs. Jeannette Slocumb Edwards, who has held the title since 1950.

The new poet laureate has made several contributions to the *Philadelphia Inquirer* and other literary magazines. As *Always Yours* is a recently published collection of her poetry. On campus, she is a member of the *Cauldron* staff.

She has also given lectures to several state schools and gave a recital of her poetry to the Parkchester Library in Bronx, New York.

A native of Delaware and a graduate of the Caesar Rodney High School, Mrs. McNeal resides at 76 Delaware Avenue, Newark.

## University Obtains Original Sculpture

A work of sculpture by Mrs. Doris Caesar, was recently added to the university's art collection through the gift of an anonymous donor. It is the first original sculpture to be given to the university.

Mrs. Caesar is one of America's leading contemporary sculptors, and her works may be found in the exhibits of the Philadelphia Museum of Art, the Cleveland Museum and the Metropolitan Museum of Art in New York.

In addition to Mrs. Caesar's work, a collection of contemporary American prints has also been donated to the university recently. The gift of Mr. E. Weyhe, a leading American art dealer, the prints were chosen from among those produced by his firm over the last 30 years.

## Education Society To Initiate Jan. 19

On December 14th, Kappa Delta Pi held a tea for the education students who are being accepted into the society. Dean Bessie Collins was the guest speaker and gave a welcoming address to the students.

New members of Kappa Delta Phi, honorary education fraternity, will be formally initiated on January 19th, in Old College Lounge. A dinner will follow in the College Inn honoring the new members.

Those accepted this year are: Betty Andrews, Virginia Benator, Daisy Coffin, Sara Jean DeVries, Carolyn Dickerson, Mary Daugherty, Joan Frazier, Patricia Gerstenberg, Joan Glover, Anne Herbst, Lucy Lashar, Lois McKay, Pat Morris, Angelina Oratorio, Patricia Phillips, Marianne Reinke, Phyllis Schulman Seidel, Gunvor Thureson and Dorothy Warren.

## Home Economists Practice Future Household Jobs

That friendly white house located at 321 South College Avenue is none other than the home management house. It is here that the seniors in Home Economics practice what they have learned during their three years at the university.

Six girls and their resident house adviser, Miss Wheeler, spend a busy but happy six to eight weeks learning all about managing a house.

Each girl is assigned a duty for the week. These duties include such chores as cooking, house-keeping, marketing, budgeting and planning menus. As one of the six girls now living at the house smiled and said, "We wash dishes, dishes and more dishes, but we love it."

During their six weeks stay, the girls also get a chance to learn how to plan social functions. They plan such functions as a breakfast for the faculty, a shower for a friend, a get-together for fresh-

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## Tuitions Increased For Out-Of-State Students This Fall

Dr. Perkins has announced an increase of \$40 per year in tuition for out-of-state students. The increase will become effective with the 1954-1955 school year next September and will bring the tuition charge to \$290 per student.

The increase will affect only 30 per cent, or about 550 students of the total enrollment of 1800. On this basis, the university should realize approximately \$22,000 more income.

Dr. Perkins explained the need for the increase in a letter to parents of the out-of-state students. He said that the higher rate was caused by the rising operational expenses due to the expansion of the educational offerings and facilities. The increase "will mean that non-resident students will pay a share of our higher cost of operation, which up to now has been borne entirely by the state, our endowment and private benefactors of the university."

The president ended his letter by stating that despite the increase, students can still receive an education "at a cost which ranks us as a moderately priced university in comparison with other outstanding institutions of higher learning in this area and throughout the country."

## Four Freshmen Named To Cheerleading Squad

Four freshmen were named members of the Delaware cheerleaders last week. The pepsters also elected officers for the coming year.

Freshmen Nancy Angulo, Pat Lyons, Pete French and Bud Shaw, have started their new jobs by leading cheers at Freshman basketball games.

Bob Horne was re-elected co-captain along with Lois West. Sophomore Ollie Baker is the new treasurer. Other officers include: Sue Conner, corresponding secretary; Nancy Angulo, publicity chairman; and Bud Shaw, business manager.

Come to the coronation! The queen is crowned tomorrow night at the Military Ball, Carpenter Field House.

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4. If you pass your physical and other tests, you will be scheduled for an Aviation Cadet training class. The Selective Service Act allows you a four-month deferment while waiting class assignment.

### WHERE TO GET MORE DETAILS:

Contact your nearest Aviation Cadet Selection Team, Air Force ROTC Unit or Air Force Recruiting Officer. Or write to: Aviation Cadet, Headquarters, U. S. Air Force, Washington 25, D. C.



## Theatre Organization Elects Dr. Kase Director-At-Large

At its meeting on December 31, 1953, in New York, the Board of Directors of the American National Theatre and Academy elected Dr. C. Robert Kase, chairman of the Department of Dramatic Arts and Speech at the university, to be one of its six Directors-at-Large. The 63 member board consists of elected representatives of the professional theater, educational theater, community theater, regional theater and the public.

The American National Theatre and Academy is the only national organization representing all the segments of the American theater. It was chartered in 1935 by an Act of Congress for the purpose of advancing interest in all phases of theater in the United States.

Among the well-known theatrical personalities from the professional theater on the Board of Directors are producers Roger Stevens, Robert Dowling, Gilbert Miller, Vinton Freedley and Robert Breen; directors Margaret Webster and Robert Whitehead; actors Peggy Wood, Helen Hayes and Clarence Derwent; playwrights Howard Dietz, Paul Green and Elmer Rice.

Professor Arthur Cloetingh of Pennsylvania State University represents this region, including the states of Pennsylvania, Maryland,

New Jersey and Delaware, on the Board of Directors.

## Tassel To Honor Charity Collection

Tassel, the senior women's honorary society, has announced part of their schedule for winter and spring activities.

A drive was started on January 5th and will continue until January 22nd to collect clothes, costume jewelry, and toys for the residents of the Delaware Colony at Stockley. The collection will be taken from all the women's dorms.

The society is also planning a benefit bridge party, with March 16 as the tentative date.

A tea for freshmen women who make the Dean's List will complete the schedule.

## Brown Sculpture Exhibition Shown In College Library

An exhibition of sculpture by William J. Brown is now being shown in the art gallery in the university library. The exhibition is open to the public during library hours through January 24.

Mr. Brown, an instructor of art at the university received both his bachelor's and master's degrees in Fine Arts from Cranbrook Art Academy, Bloomfield Hills, Michigan. He has worked as a designer in Innelli Studio, Park Ridge, Illinois, and at the Steuben Glass Works, Corning, New York. He was assistant director of the Flint Institute of Arts, Flint, Michigan, before coming to Delaware in the fall of 1951. His work has been shown at Flint Art Institute, Detroit Art Institute, Cranbrook Art Academy, Wilmington Art Center and Maine Coast Artists Exhibition, Camden, Maine.

The present exhibit consists of 22 pieces of sculpture, plus jewelry

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## Urnst and Ienst

### Study Caper

*'Twas the night before finals  
And all through the dorm,  
Not a person was studying,  
They were all in fine form.  
The books were stacked  
In the corner with care,  
In hopes that good times  
Could be found elsewhere.  
The troops were all sacked  
Quite crooked in their beds,  
While visions of gin bottles  
Danced in their heads.  
When all of a sudden  
There arose such a clatter,  
I leaped from my bull session  
To see what was the matter.  
And what to my wondering eyes  
Should appear  
But two stumbling lads  
And two quarts of beer.  
Four little red eyes  
With red noses betweenst,  
I knew in a flash  
That it was Urnst and Ienst.  
More rapid than rabbits  
More bottles there came,  
And they whistled and shouted  
And called them by name.  
Now Schenleys, now Carstairs,  
Now Gilbeys and Seagrams,  
On Teachers, on Gordons*

*On Walkers and Schmirnoff,  
To the top of the stairs  
To the door of the head,  
If the dry-heaves catch them  
They're sure to be dead.  
And then in a twinkling  
I heard from the floor,  
Loud shouts and loud screams  
Of "I'll never drink more!"  
As I drew in my head  
And was turning around,  
Down the stairway they came  
With a leap and a bound.  
They were each dressed in rags  
From his head to his foot,  
And their clothes were all tarnished  
With ashes and soot.  
Cans of beer  
They had flung on their back,  
"Let's all have another  
And then hit the sack."  
The neck of a bottle  
Ienst held tight in his teeth,  
And broken glass encircled  
His head like a wreath.  
Urnst had a blank face  
And a round little pot,  
You could tell by his nose  
He was truly a sot.  
They spoke not a word  
But went straight to their study,  
And crammed both their heads  
Until they were nutty.  
Then each layed his hand  
Aside of his head,  
"Great Scott, it's grown bigger!"  
Both of them said.  
This was the signal  
To head for the sack,  
The idea was good  
But time they did lack.  
They sprang to the door  
Like a large guided missile,  
And away they both flew  
Like the down on a thistle.  
But I heard them exclaim  
As they lurched out of sight,  
"If you follow our plan  
You'd best give up the fight."*

## PLACEMENT BUREAU

INTERVIEW CALENDAR — WEEK OF FEBRUARY 15  
Deadline for signing up: February 10

Date	Company	Classifications
Mon., Feb. 15	UNITED STATES STEEL CO. (Business Training Course)	BUSINESS ADMINISTRATION and ACCOUNTING MAJORS
	ETHYL CORPORATION	B.S., M.S., Ph.D., CHEM. ENGRS.
	EASTMAN KODAK COMPANY	B.S., M.S., MECHANICAL, CHEMICAL & ELECTRICAL ENGINEERS; B.S. & M.S. CHEMISTS, PHYSICISTS, BUSINESS ADMINISTRATION, ACCOUNTING and LIBERAL ARTS. **JUNIOR ENGRS. FOR SUMMER WORK
Group Meeting	ALLIS-CHALMERS MANUFACTURING CO.	Room 308, EVANS HALL, 4:00 p. m.
Tues., Feb. 16	ALLIS-CHALMERS MANUFACTURING CO.	MECHANICAL & ELECTRICAL ENGRS.
	GENERAL CHEMICAL CO.	B.S. & M.S. CHEMICAL, MECHANICAL, ELECTRICAL ENGINEERS & CHEMISTS
	ETHYL CORPORATION	Same as above
Wed., Feb. 17	FOSTER WHEELER CORPORATION	MECHANICAL, CHEMICAL, ELECTRICAL, and CIVIL ENGINEERS
	PROCTER & GAMBLE	BUS. ADM. & LIBERAL ARTS for sales only
	PARKE, DAVIS & COMPANY	B.S. & M.S. ORGANIC CHEMISTS, BIOCHEMISTS, PHYSICAL CHEMISTS (Men and Women); Women MEDICAL TECHNOLOGISTS; B.S. & M.S. BIOLOGY majors
Thurs., Feb. 18	CARBIDE & CARBON CHEMICALS CO.	All degree CHEMISTS & CHEM. ENGRS., B.S. & M.S. MECHANICAL, ELECTRICAL and CIVIL ENGINEERS
	UNION CARBIDE AND CARBON (General Departments)	CHEMICAL, MECHANICAL, ELECTRICAL ENGINEERS; BUSINESS ADMINISTRATION with some ACCOUNTING courses
Fri., Feb. 19	SHELL OIL MANUFACTURING COMPANY	B.S. & M.S. CHEMICAL & MECHANICAL ENGINEERS
	PHILCO CORPORATION	B.S. & M.S. ELECTRICAL and MECHANICAL ENGINEERS
	PITTSBURGH CONSOLIDATION COAL CO.	B.S. & M.S. CHEMISTS and CHEMICAL ENGINEERS graduating in June and Sept.

### WEEK OF FEBRUARY 8

Students are urged to sign up before finals.

Deadline for signing up: January 27

Mon., Feb. 8	No interviews scheduled	
Tues., Feb. 9	No interviews scheduled	
Wed., Feb. 10	LEEDS and NORTHRUP CO.	MECHANICAL, ELECTRICAL & CHEMICAL ENGINEERS & PHYSICISTS
	EQUITABLE LIFE ASSURANCE SOCIETY	BUSINESS ADMINISTRATION and LIBERAL ARTS for Administrative Training Course
	SCOTT PAPER COMPANY	All ENGINEERS—with emphasis on MECHANICAL
	BAUGH & SONS CO.	AGRONOMY MAJORS FOR SALES
Thurs., Feb. 11	FEDERAL TELECOMMUNICATIONS LABS., Inc. (Research and Development)	B.S. and M.S. ELECTRICAL ENGRS. and PHYSICISTS (Electronics)
	UNITED STATES STEEL	ALL ENGINEERS
	SCOTT PAPER COMPANY	BUSINESS ADMINISTRATION, ACCOUNTING, and LIBERAL ARTS; all degree level CHEMISTS
	RALSTON PURINA CO.	AGRICULTURAL and BUSINESS ADMINISTRATION students with farm background
Group Meeting	WESTINGHOUSE ELECTRIC CORP.	Brown Laboratory Auditorium 4:00 p.m.
Fri., Feb. 12	CHAS. PFIZER & COMPANY	B.S. & M.S. CHEMISTS and CHEMICAL ENGINEERS; Women BIOLOGY majors
	BUDD COMPANY	MECHANICAL and CHEMICAL ENGRS.
	WESTINGHOUSE ELECTRIC CORP.	MECHANICAL & ELECTRICAL ENGRS.
	(1) For Training Program or Direct Placement	Ph.D. CHEMISTS, CHEMICAL ENGINEERS, ELECTRICAL ENGRS., MECHANICAL ENGRS., MATHEMATICS AND PHYSICS. (Ph.D. level only for all categories)
	(2) Research Laboratories and Atomic Power Division	
	RALSTON PURINA CO.	MECHANICAL ENGINEERS

## Faculty And Families Aid Growth Of Community

The current growth and development of Newark brings to light some facts and figures about the University of Delaware and its faculty's families. They reflect directly the growth of the community and the state university.

In July, 1950, the trustees of the university found it possible to inaugurate a faculty mortgage plan, whereby more members of the faculty and staff were encouraged and enabled to build or buy their homes in Newark.

Until the present, the university has aided its faculty and underwritten the present and future of Newark by investing \$588,304.96 in homes. Of this sizable sum, \$500,404.96 is in 55 first mortgages and \$87,900.00 in 39 second mortgages.

## Future Teachers To Meet With Education Officials

Two representatives from the Personnel Department of the Baltimore City Department of Education will hold a group meeting in Room 220 of Hullahen Hall at 4 o'clock on Tuesday, January 19, 1954. They will talk with students interested in knowing about teaching possibilities in the Baltimore City Schools and discuss procedures in making application for admission to the professional examinations.

Future teachers are urged to attend this meeting, even if limited to another location, because this information may be invaluable in the future. All undergraduate students who plan to teach are invited to attend also.

Also under discussion will be the teaching opportunities for Liberal Arts students who have not met the educational requirements at the university.

## Angie's Sub Shop

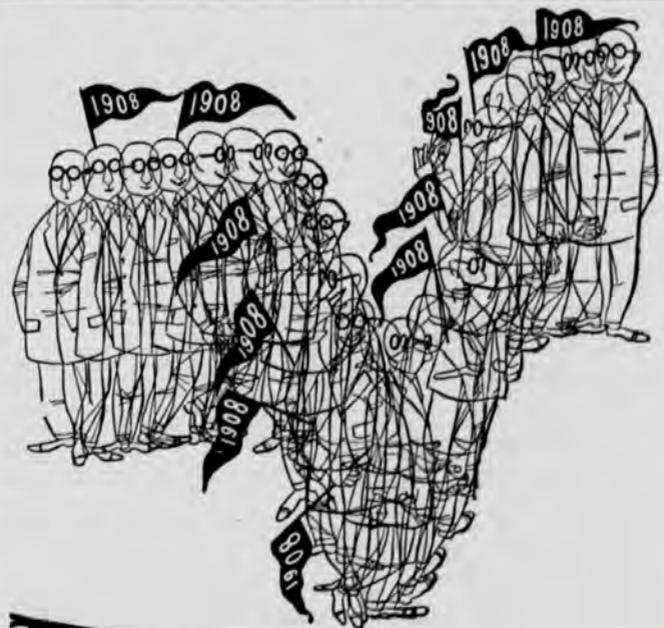
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# The Review

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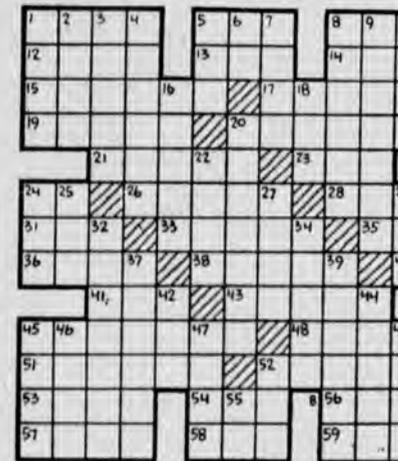
## CROSSWORD PUZZLE

**ACROSS**

1—Enclosure for rabbits  
 5—Cut short  
 8—Egyptian skink  
 12—So be it  
 13—Exist  
 14—Journey  
 15—Submit  
 17—Retreat  
 19—Scarf  
 20—Shelled  
 21—Fiercely  
 22—Linger  
 23—Pose for portrait  
 24—Near  
 26—Bellows  
 28—Promontory  
 31—Weight of India  
 33—River in Germany

**DOWN**

1—House pets  
 2—Foretold  
 35—Female deer  
 36—Remove skin  
 38—Move furtively  
 40—Symbol for tellurium  
 41—Vessel  
 43—Style of painting  
 45—Greet  
 48—In good reason  
 51—Fly in an airplane  
 52—Proverbs  
 53—Food program  
 54—Burma  
 56—Tribesman  
 57—Otherwise  
 58—Scottish cap  
 59—Heavenly body



## Answer to Last Week's Puzzle

**TOR DREGS SET**  
 ABE ADRIPI ARA  
 LOCUS GLANCED  
 CLOTH SAREE  
 NEED STARVE  
 TIS RAT ARDOR  
 ALTO BAT SOTS  
 PERIS GOA TEE  
 EXULTS OLLA  
 CERES TELAS  
 ENTREAT HOIST  
 LEE SMITETSEE  
 LED SYRIA MAT

3—Doctrine  
 4—Make beloved  
 5—Prohibit  
 6—Conjunction  
 7—Man's nickname  
 8—Reach  
 9—Floated on surface  
 10—Dreadful  
 11—Imitated  
 16—Mistake  
 18—Bitter vetch  
 20—Small hand pump  
 22—College cheers  
 24—Viper  
 26—Golf mound  
 27—Dirk  
 29—Drunkard  
 30—Observe  
 32—Answers  
 34—Brought forth young, as sheep  
 37—Settle  
 39—South African villages  
 42—Small child  
 44—Grain fungus  
 45—Walk in water  
 46—Bad  
 47—Liquefy  
 49—Wife of Tyndareus  
 50—River in Belgium  
 52—Goal  
 55—Cooled lava

*Winter Thoughts*  
 (with apologies to A. E. Housman)  
 (A parody suggested by "A Student Prayer" in the issue of January 8.)

When I was first a freshman  
 I heard a senior say,  
 "Never neglect your homework;  
 You'll find it doesn't pay.  
 From nightly television  
 A scholar has to flee."  
 But I was just a freshman,  
 No use to talk to me.

When I was first a freshman  
 I heard him say once more,  
 "Good marks in all your classes  
 Are what you're working for.  
 So don't date Daisy daily  
 Or else you won't get through."  
 And I am taking finals,  
 And oh, 'tis true, 'tis true.

By a member of the English Department

## Letters To Editor

All letters to be printed must be signed by the author. If desired, the name of the author will be withheld when the message is printed.

January 6, 1954

Dear friends;  
 For the past two weeks, during what the Japanese call "Jurisumasu" vacation, I've been touring southern Japan, accompanied by my Japanese pocket conversation dictionary. In Japanese inns where no English is spoken, on crowded buses, on fast express trains and on pokey locals, I've been trying to meet the Japanese people and to come to some understanding of Japanese culture. I must confess that the stereotyped impression which I formerly had—and which probably most Americans have—hardly fits the actual picture one sees here.

As a people, they are much more feminine than Americans. Though they have been taught to restrain the expression of emotion in public, they are really a deeply emotional people and much more sensitive than most Americans in matters pertaining to personal relations. They have a knack of anticipating our needs, and they are generally very considerate and possessed of a natural courtesy of manner. Clerks in shops, and servants both domestic and civil, treat you with a graciousness which is unseen in America.

In aesthetic matters we do not hold a candle to them as a people. The typical all-American he-man would rather be caught dead than be caught composing a poem. Among the Japanese, on the contrary, the ability to write poetry is highly prized, and many, many there are—even among Japanese men—who can write and even extemporize respectable poetry. And what is heart-warmingly gratifying is the spectacle of countless school children—from kindergarten up—everywhere on benches, curbstones, on the grass—sketching. Everywhere in Japan one sees people of all ages, easels under their arms, going out to sketch. And like poetry, painting is not regarded as a superfluous luxury to be tolerated only by a few long-haired high-brows, but as a natural ingredient of the good life—as a way of creative self-expression. There is very little self-consciousness about art—one eats, one sleeps, one paints, that's all.

I think it is probably due to their artistic natures that we may say of them—paraphrasing a famous utterance—"Rarely have so many made so much out of so little." Japan is one of the poorest countries in the world as far as natural resources go, and yet she has provided a rich cultural diet for her people. It is by the knack of using the simplest means to produce the richest effect that Japan has been able to maintain her high cultural level. In other words, it is by the application of art to life—for is this not the ultimate definition of art and of the art of life, namely, making the most of what you've got?

Yours,  
 Bernard Phillips  
 410 Hirohashidono-cho  
 Karasuma Nishiiru  
 Ichijo-Agaru, Kamigyo-ku  
 Kyoto, Japan

## Dormitory Damage Unwarranted Complaint

Considerable comment was aroused when a faction of the Delaware student body, largely Sharp Hall residents, returned from the holidays to find sizable bills for property damage awaiting them.

These charges resulted from the detection of damage during a dorm inspection by university officials. The inspection report, listing individual room damage, indicated a list of faults ranging from scarred doors to fruit-stained walls.

A dull roar from the direction of Sharp arose immediately upon receipt of the bills. Number one on the list of criticisms was the "exorbitant" rates for minor offenses. Five dollar tariffs for marred doors and similar charges for comparable damages raised the eyebrows and the tempers of many.

Do the residents have a justified gripe? From this direction it hardly seems likely. The charges were inflicted as a disciplinary measure to curb similar future occurrences as well as to cover the actual repair costs. Where public facilities were damaged, a blanket charge was posted.

Students residing in a dormitory should assume the responsibility of caring for the dormitory facilities offered them. This is especially true in the case of a new, attractive dormitory such as Sharp Hall.

Previous warning was given to all university residents in the list of eighteen Residence Hall House Rules presented to occupants at the beginning of the semester. These rules, in a general manner, covered all damages to rooms, halls and lounges.

In minor examples, the use of Scotch tape to attach pictures to walls, etc., the university has failed to give adequate instructions. In the majority of cases, however, the damage was pure negligence without due consideration for the property of others.

Assume, if you will, that the students were in error in this instance. Will this infliction of fines set a precedent which will permit unwarranted display of control by the powers that be? No, it will not. Normally, such items as broken windows are followed by an automatic fixed charge. If the damage is unavoidable, a pure case of accident, the student can and should make an appeal to the head dormitory advisor and state his case.

The wanton damage in less than one semester of residence is a deplorable situation at the very best. It denotes a rather poor grade on the test of additional responsibility offered by college.

W. G. D.

## Inventory

We hear too much about the frivolity and lack of responsibility of a few college students, too little about those with serious purpose and maturity. Across the desk from me, men and women raise questions that have occupied the thoughts of philosophers, accept hard truths with courage, and seek their individual ways to make a contribution to the world.

The great body of our campus community is made up of those who are here for a purpose. They are seriously concerned about "amounting to something." When asked what this means to them, the explanation is couched in terms of service, rather than of salary and prestige. Home and family life are important in their plans. They want jobs that will make it possible for them to provide an education for their children. They do not talk of Cadillacs, mink coats or trips around the world. They are aware of the needs of fellow students and often begin our conversations with "A friend of mine is headed for trouble. I'd like to know how to help." These "friends" sometimes turn out to be more remote than the usual meaning of the word. Junior and Senior Counselors for new women students spend their time freely in tutoring, orienting and encouraging the neophytes. Men students volunteer to aid within their dormitories. An effective discussion of the responsibility of citizenship was led by a student who is not a "prominent figure" on campus, but who will take the strength of ideals and action into the fortunate community. Student Government leaders give hours to working on solutions to the problems of the people they represent. Many signs of maturity and high standards meet us each week in *The Review*. Social service projects have the attention of college groups.

On the other side of the fence, or wall, or gulf, or whatever is supposed to exist between the students and the rest of us, these qualities are recognized. Many of our phone calls originate in the offices of faculty members who seek a solution to an individual student's need. Committees discuss ways and means of improving the resources to be used by ambitious youth. Administrators push aside piles of papers to talk to the confused undergraduate.

So, in the inventory, I see more strength than weakness, more selflessness than egocentricity, more humanness than impersonality. If you think my glasses are rose-colored you may sit behind the counselor's desk and regain your faith.

Margaret H. Black

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## 'Neath The Arches

By Spen Hedger and Dave Menser

This column has really cooled down a lot since we got back and settled down from the mad, mad rush of this hectic holiday season. Nonetheless we shall do our best to pound out the usual line of grist to satiate the desires of the ever thirsty (for knowledge) college student.

Seems like Warner Hall had a party last Saturday nite. The girls managed some how to pry Sigma Nu's combo away from them for a one nite stand down South Campus way. The combo started out in the usual fashion, but when everybody got back in the corner and started to yell "Go! Go!," the combo really cut loose, and there was a "great day up yonder." All this, by the way, comes from Ginny Carmer, to whom we shall be eternally indebted. Floating around the place on the vapors arising from the bowl of Perkins' punch were Phyl Sklut and Carl Goldenberg, Pat LeCrone and Tom Phillips. Al MacWright and Janet Kennedy, Gerry Dye and Bill Harkins, Joyce Stein and Ken Smith, Janet Shaw and Ed Fielding, Mary Lou Matthes and Dave Sheehan, as well as the regular steadies.

The OXen took off last Saturday to see Brother Jack Messick tie the knot with Sue Robinson all the way down the highway to Seaford. Big Humph Cunningham, Joe Sherwood and the Mrs., and Bill Colona managed to get there in time to hear the "I do's."

We really got a bang out of the basketball game on Saturday nite. Not only did Delaware manage to very effectively tromp the Cadets from Chester, but the kids from the Wilmington Boys' Club put on a darn good show at half time. You know, if you are looking for a way to spend an evening, you could do much worse than go to a basketball game. Doesn't cost a penny, either. Saw a lot of the kids from around the Quad at the game, too. Peggy Tighe and Hobe, Bob Starks and Trudy Tierny, Paul Hodgson and Jay Roland, Ellen Ungerleider and Ed Phillips, Marv Balick and Joan Zimmerman, Stan Czerwinski and Laura Mearns, just to mention a few.

Guess that's enough for this week and we'll see you next term.

## Shorts From Other Colleges

By JEAN WEST  
University of Georgia  
Students Come to College Poorly Equipped

Dr. J. Samuel Guy, former chairman of the chemistry department at Emory University, says that students come to college poorly equipped in essentials of reading, writing and arithmetic and are thus unable to undertake college work successfully. He said his entire sympathy is for the student. "Colleges should either select students more carefully or select subjects more carefully" and let the level of instruction fit the student. Deploring the large numbers of students flunked out of colleges, Dr. Guy said, "The extreme mortality—20-40 per cent in colleges, is the worst business I know of." He added that the most experienced teachers should handle the elementary courses and that the heads of departments should teach freshmen. "No man should teach freshmen unless he has had at least ten years of experience," Dr. Guy concluded.

Davidson College  
Automobile Wrecks Main Cause of College Deaths

Motor vehicle accidents caused more deaths in 1953 than any other type of accident among persons of college age.

Out of the 28,600 persons in this age group who died last year, 7,800 died in motor vehicle accidents. Twice as many people died from motor vehicle accidents as from any other type of accident, there being 4,200 deaths from other accidents.

Now is not too soon to begin to look out for the other fellow and for yourself. The young mind is quick, but death can be much quicker.

## Fulmer To Speak At S.G.A. Banquet

Members of the Student Government Association and guests from the administration of the university will attend a banquet to be served in the Old College Lounge at 6:15 p.m., Thursday, January 21. Dr. Clarence Fulmer, principal of Wilmington High School will speak.

Among the administration guests will be President John A. Perkins; the various Deans; members of the staff of the Dean of Students' office; Richard Groo and Henri Miller, directors of Alumni and Alumnae activities; and Dr. Gordon Keppel, director of the Health Center;

Mr. William H. Bohning, Registrar; Dr. William G. Fletcher, Director of Admissions; Mr. Charles Grubb, Business Administrator; Dr. Allan P. Colburn, Provost; and Glenn Dill, Editor-in-chief of the Review.

Musical entertainment will be provided by a quartet from the Kappa Alpha fraternity.

## New Exam Given To Fill Positions In Indian Schools

The United States Civil Service commission has announced a new Elementary Teacher examination for filling positions in Indian Schools throughout the United States and in Alaska. The salary is \$3,410 a year.

Appropriate education is required. No written test will be given. The maximum age limit is 50 years (waived for persons entitled to veteran preference). Students who expect to complete all the required courses within 90 days of the date of filing applications may apply.

Full information regarding the examination, including instructions on how to apply, may be obtained at many post offices throughout the country, or from the U. S. Civil Service Commission, Washington 25, D. C. Applications will be accepted until further notice.

## Sociology Club Presents Faculty Panel Quiz Show

The Sociology Club will present a faculty panel, "What's My Line," tonight, January 14, at 7:30 p. m. in Brown Hall Lounge.

Members of the Sociology Department faculty will participate in discussing and describing occupa-

tions in the sociological field. They are Dr. Frederick B. Parker, Mr. Leonard Goodman, and Dr. Ralph S. Holloway.

Refreshments will be served after the session. Anyone interested is invited to attend.

## Lack Of Interest

(Continued from Page 1)  
latter program, showing a lack of interest in educational programs, and the administration doesn't like to schedule college hours for entertainment only.

## Brown Sculpture

(Continued from Page 3)  
and textiles. Many media have been used—granite, marble, wood, plaster, vermiculite and cement, ham-

mered copper, hammered lead and ceramics. The subject matter of the exhibit is varied and ranges in mood from the spiritual quality of the religious pieces to the amusing aspect of the juggler.

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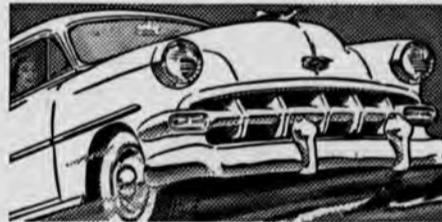
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# The Armchair Umpire

By CHARLES WILLIS

Last Saturday's crushing 76-48 basketball triumph over P. M. C. definitely established the Hens as favorites to retain their MAC basketball crown for the third consecutive year. Temple, Muhlenberg and Lafayette, three tough non-conference opponents, however, figure to give the Blue and Gold plenty of trouble in the next three encounters. Temple, led by Sylvester and Kane, invades Carpenter Field this Wednesday evening. Two years ago the Owls, led by All-American Bill Mikuy, were surprised by an inspired Blue Hen five. Perhaps history will repeat this Wednesday night. On the 23rd the Hens journey to Allentown where they will meet a strong Muhlenberg five led by Larry Friedman. Lafayette, Hofstra consolation winner, will be on the home floor February 5, and will be trying for their first victory over the Hens in three years.

According to swimming coach Harry Rawstrom, last Saturday's tie with Lehigh was one of the finest all around team efforts since he assumed the coaching reins in 1947. Swimming, like all sports, is one which requires strategy, especially in the close meets, from the coaching ranks in order to insure victory, or in this case, a tie. Coach Rawstrom realized that Lehigh had two fresh sprinters in reserve for the final relay which would probably turn the tide in the Engineers' favor, but without tipping his hand to the Brown and White, Rawstrom at the last moment placed his ace sprinter, Fred Friebolt, in the 440 freestyle along with veteran Lorin Krusberg in an effort to take two places. Krusberg merely swam away from the field in taking first place, and Friebolt placed third, which was just enough for a tie, as Lehigh easily captured the relay. This is the first year since 1949 that the Engineers haven't won. The Hens won in 1949 by a close 38-37 margin. The over-all series standings, which date back to 1928, now read 10-9-1 in favor of the Bethlehem mermens.

### Rebounds

Andy Wagner, sophomore halfback, is recovering from a knee operation performed over the Christmas vacation . . . Steele of Virginia, who handed Dale Boyd his first college wrestling defeat, is a former two-time New Jersey high school champ . . . Frank White continues to lead the Hens in scoring average (13.5) and foul shooting percentage (77.3) . . . Did you know that golf is the most successful sport at the university . . . The linksmen have stroked their way to 108 victories as against 58 losses and 13 ties in close to thirty years of competition . . . Fred Friebolt has again lowered his Delaware record of 55.4 seconds for the 100 yd. freestyle—it is now 54.3 seconds . . . The Church League halftime game during last Saturday's P. M. C. contest proved very interesting to the spectators . . . Several of the St. Hedwig's players may be future Delaware material . . . Skip Crawford left for the army this past Wednesday . . . One has reason to suspect that many of the coaches and athletes have their fingers crossed at this time of the year, so here's hoping . . .

Bill Wagner, starting forward on the frosh basketball squad, is reputed to be quite a high jumper . . . He cleared the 6' mark in high school . . . Bowden, 137 pound blind wrestler from Virginia, has been wrestling six years without sight.

# Hens Split With Cadets, St. Joe's; Team To Challenge Owls, Mules

## Cavaliers Trounce Blue Hen Matmen With Six Victories

Bill "Reds" McCafferty was the lone bright spot in Delaware's first wrestling encounter with the strong Cavaliers of the University of Virginia.

The Hens went down to defeat by a convincing 27-3 score, with the Jersey redhead, a 130-pounder from Millville, totaling the lone three points by virtue of his 10-2 decision over Cy Young.

Gene Holland was the only other Hen who came close to winning. He dropped a 5-3 decision with the winning 2 points awarded for time advantage.

The defeat was not only the third straight for Delaware but was also the first for Dale Boyd after a string of eight wins. He dropped a 7-4 decision to the Cavaliers' Willie Steele.

Interesting to note was the win over Hens' Bill Lotter by Cavalier Steve Bowdeen, a 137 pounder, who is blind.

Considering the Hens have failed to score in four of the eight weight classes this season, it is easy to understand their three straight defeats.

The Hens will try again for their third victory today when they travel to Pennsylvania to take on last year's undefeated Swarthmore team.

### Weight Class Results

- 123—Steele (Va.) decisioned Boyd (D), 7-4.
- 130—McCafferty (D) decisioned Young (Va.) 10-2.
- 137—Bowdeen (Va.) pinned Lotter (D) in 3:42.
- 147—Merriman (Va.) decisioned Angulo (D), 4-0.
- 167—Hjorth (Va.) decisioned Holland (D), 5-3.
- 177—Schwab (Va.) decisioned Stallone (D), 10-1.
- Heavyweight—Dolzer (Va.) pinned Oves (D) 1:55.

Delaware's basketball forces fared better last week. Although they dropped one game to St. Joseph's by a slim 55-49 margin they looked much better than they had previously. And this proved to be the case when they overwhelmed PMC by a 76 to 54 score at Carpenter Field House on Jan. 9.

The St. Joseph's had an experienced five but they couldn't manage to stay ahead until in the last three minutes they gained control of the ball and Delaware committed a couple of fouls which turned out to be the margin of victory.

The PMC game resulted in a route even though it didn't appear that it was going to be one at

several points. With Delaware out in front 16-7 at the end of the first quarter things looked pretty good but the Cadets pulled to 16-14 but that was the last important threat of the game, as Jim Kinch, Frank White, and Bob Hart poured through the points and with Dallas Green's rebounding they stayed ahead.

The shooting percentage was much better than it had been in previous games. Everybody was hitting and rebounding and this was just too much for the hapless Cadets. Delaware had complete control of the boards most of the time and it was good to see the offense perk up, while keeping the defense as good as it had been before.

Jim Kinch was high man for the night with 18 counters and he was followed by Bob Hart with 16 and Frank with 15. The reserves did a fine job in the last quarter scoring 24 points and they deserve a lot of credit for making it the best game of the season for Delaware.

The Hens meet Temple, Muhlenberg, and Lafayette in their next three contests.

PMC			DELAWARE		
	G.	F. P.		G.	F. P.
Ambrosina	2	1 5	White	5	5 15
Klott	3	5 11	Green	4	1 9
Hearn	4	3 11	Hart	6	4 16
Ford	0	0 0	Waddington	1	1 3
Ed'lmann	1	1 3	Kinch	6	6 18
Kleis	1	0 2	Kelleher	1	2 4
Henry	2	2 6	Miller	1	2 4
Dis'neahl	2	1 5	K'lkowski	2	0 4
Applegate	0	1 1	Messick	1	1 3
U'wich	0	0 0	Grande	0	0 0
Smith	2	0 0			
Cody	0	0 0			
<b>Totals</b>	<b>17</b>	<b>14 48</b>	<b>Totals</b>	<b>27</b>	<b>22 76</b>

## Rhodes Drug Store

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## HOW THE STARS GOT STARTED . . .

# Donna Atwood

AMERICA'S NO. 1 "QUEEN OF THE ICE"

DONNA ATWOOD says:

"I was 13 before I put on skates. I'd had dancing lessons and this was fun! In three months, I surprised even myself by winning the Pacific Coast novice championship. Three years later—the National Singles and Pairs. Then I joined the Ice Capades. Skating's still fun!"

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## Mermen Face Temple Owls With Lehigh Tie On Record

Coach Harry Rawstrom's mermen journey to Philadelphia tomorrow in search of victory number three against the Temple Owls. The Hens downed LaSalle Wednesday for their second triumph this season. Last week's 42-42 tie with Lehigh was the first meet since 1949 that the Brown and White of Lehigh haven't been victorious. Although the entire squad put forth tremendous effort, Ted Zutz, Captain Bob Wagner and Fred Freibott were individual winners, and they teamed up to capture the 300 yard medley relay.

Freibott established a new Delaware record for the 100 yard free style by posting an impressive 54.3. Captain Bob Wagner, Ted Zutz and Lorin Kinsberg won important victories in the breast stroke and 440 yd. free style events respectively. Bill McKenley, Tom Duff and Dick Goodley contributed point-scoring second places in diving, 200 yd. breast stroke and the 50 yd. free style.

The University of Pennsylvania now looms as a big obstacle in the Hen's road to an undefeated season.

Summaries:  
300 yd. medley relay—1. Del. (Zutz, Wagner, Freibott), time 3:10.1.  
220 yd. freestyle—1. Atmann, Lehigh; 2. Krusberg, Delaware; 3. Marquardt, Lehigh, time 2:23.  
50 yd. freestyle—1. Payer, Lehigh; 2.

Goodley, Delaware; 3. Miller, Lehigh, time 2:48.  
150 yd. individual medley—1. Nick, Lehigh; 2. Duff, Delaware; 3. Ebeling, Lehigh, time 1:43.8.  
Diving—1. Kenworth, Lehigh; 2. McKenley, Delaware; 3. McWilliams, Delaware.  
100 yd. freestyle—1. Freibott, Delaware; 2. Nick, Lehigh; 3. Ebeling, Lehigh.  
200 yd. backstroke—1. Zutz, Delaware; 2. Newman, Lehigh; 3. Johnson, Lehigh, time 2:30.2.  
200 yd. breaststroke—1. Wagner, Delaware; 2. Duff, Delaware; 3. Corbett, Lehigh, time 2:39.4.  
440 yd. freestyle—1. Krusberg, Delaware; 2. Marquardt, Lehigh; 3. Freibott, Delaware, time 5:18.8.  
400 yd. freestyle relay—1. Lehigh (Payer, Miller, Atmann), time 3:47.3.

## Blue Hen Of The Week

The Review's nomination for Blue Hen of the Week goes this week to James Ernest Kinch, star basketball center, for his outstanding play against P.M.C. Jim contributed 18 points in the game, and his steady floor game played an important part in bringing the Hens their first victory in their defense of the Middle Atlantic Basketball title.

Jim, who hails from Dunellen, N. J., starred three years on the varsity basketball team. During his senior year in high school, he made 2nd team all-state and 1st team all-county.

Jim is a 6'7", 225 lb. sophomore, who set many records on the freshman team of last year. He holds the record for the most points scored in a single game, 40, and he was also the freshman high scorer for the Middle Atlantic Conference.

Jim is studying electrical engineering here at the university and is a member of Sigma Phi Epsilon fraternity. He also made the Dean's List last year.

So it's congratulations to James Kinch—Blue Hen of the Week.

## Hen Riflemen To Vie In Army Trophy Shoot

The newly-formed University of Delaware rifle team, under the direction of Bill Reed, with his assistants John Fernandez and Martin Olson, will enter in the competition for the William Randolph Hearst Trophy at the Second Army Inter-Collegiate Matches.

Firing will be done between January 1 and 15. The positions for scoring will be prone, sitting or kneeling, and standing.

The team has shown noticeable signs of improvement at their regular practices.

### SENIORS

Graduation announcements will be sold in the library basement through next week, 9 a.m. to 4 p.m.

## MEN OF '54

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## Memorial Library Given New Grant

Through a grant from the Raskob Foundation, the university's Memorial Library has been enabled to purchase two primary source materials on the history of the Roman Catholic Church.

Amounting to a total of \$4,250, the grant is to be used for complete editions of the *Patriologia*

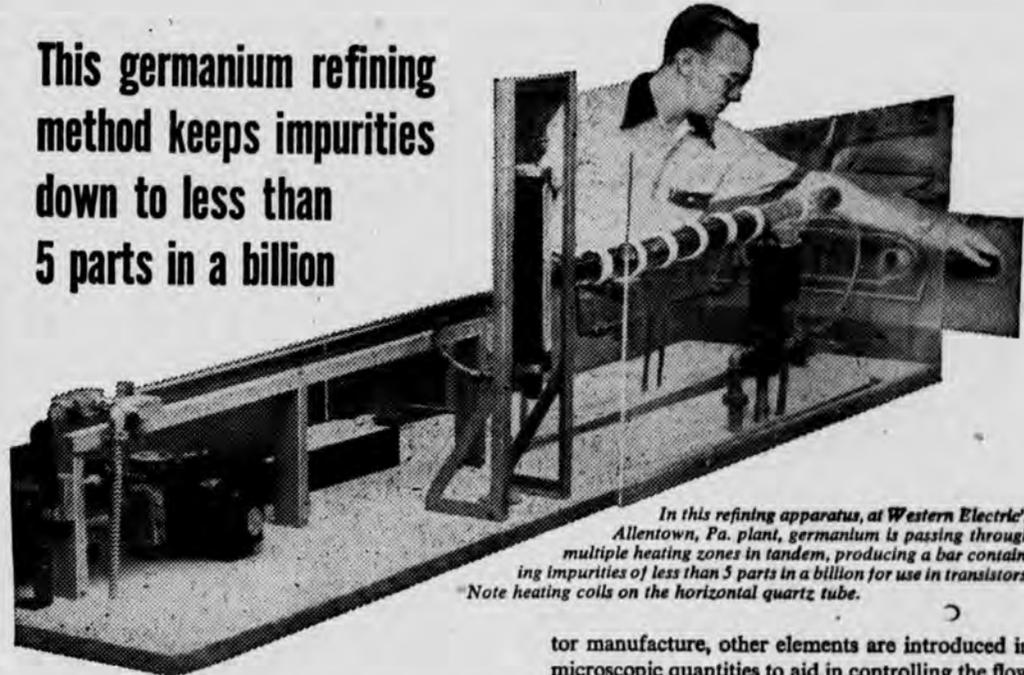
*Graeca et Latina*, the complete writings of the Greek and Latin fathers of the early and medieval Christian church, edited by Migne; and the *Acta Sanctorum*, biographies of the saints, a series begun in the 17th century and continued until the present day. Taken together, the two works constitute a basic history of the Church from the second century to modern times. Both are printed in the original Latin.

The Foundation was established in the memory of the late John J. Raskob, industrialist and financier, by his family.

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This germanium refining method keeps impurities down to less than 5 parts in a billion



In this refining apparatus, at Western Electric's Allentown, Pa. plant, germanium is passing through multiple heating zones in tandem, producing a bar containing impurities of less than 5 parts in a billion for use in transistors. Note heating coils on the horizontal quartz tube.

A new method of metal refining, currently in use at the Western Electric plant at Allentown, results in the production of germanium that is better than 99.9999995% pure — the highest degree of purity ever attained in a manufactured product.

The need for germanium of such exceptional purity came about when research by Bell Telephone Laboratories in the field of semi-conductors led to the development of transistors, which are manufactured by Western Electric.

The transistor is a tiny crystal device which can amplify and oscillate. It reduces space requirements and power consumption to a minimum.

Germanium crystals of the size required in transistors do not occur in nature; they are artificially grown at Western Electric. At this stage in transi-

tor manufacture, other elements are introduced in microscopic quantities to aid in controlling the flow of electrons through the germanium. But before these elements can be introduced, it is necessary to start with germanium of exceptional purity, so that the impurities will not interfere with the elements that are deliberately added.

tor manufacture, other elements are introduced in microscopic quantities to aid in controlling the flow of electrons through the germanium. But before these elements can be introduced, it is necessary to start with germanium of exceptional purity, so that the impurities will not interfere with the elements that are deliberately added.

So Bell Telephone Laboratories devised an entirely new method of purification, known as zone refining, which was developed to a high-production stage by Western Electric engineers.

In zone refining a bar of germanium is passed through a heat zone so that a molten section traverses the length of the bar carrying the impurities with it and leaving behind a solidified section of higher purity. By the use of multiple heating zones in tandem, a number of molten sections traverse the bar. Each reduces the impurity content thus producing a bar which contains impurities in the amount of less than five parts per billion.

Because of the importance of the transistor in electronics, the zone refining process — like so many other Western Electric developments — has been made available to companies licensed by Western Electric to manufacture transistors.

This is one more example of creative engineering by Western Electric men. Engineers of all skills — mechanical, electrical, chemical, industrial, metallurgical, and civil — are needed to help us show the way in fundamental manufacturing techniques.



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**Artist Series**  
 (Continued from Page 1)  
 appeared at Buenos Aires' Teatro Colon.  
 The Hollywood-born basso started his voice studies at the age of sixteen with Gennaro Gurci. Two years later, while a freshman at the University of California at Los Angeles, he made his professional debut in "Pinafore" with the Civic Light Opera Company.  
 Winner of the Metropolitan Opera \$1,000 Caruso Award and the first Cornelius Bliss Scholarship, Hines made his debut with the Met in the 1946-47 season in "Boris Godounoff." Since then he has sung 30 roles there.  
 Hines' work in opera has brought him wide recognition. "His noble voice equips him for the great roles," wrote Olin Downes in the *New York Times*. The *New York Herald Tribune* spoke of him as "quite remarkable" and "thoroughly impressive" and last season pro-

claimed "he is an artist, in both his singing and acting, who may well stand up against any of our distinguished foreign visitors at the Met." Louis Biancolli in the *World-Telegram and Sun* said, "If there is a better basso at the Met, he hasn't been heard yet."  
 General admission for the Mitchell Hall Concert is \$2.40. The student rate is \$1.20.

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**Military Ball**  
 (Continued from Page 1)  
 dent of the group sponsoring her as her escort.  
 The Military Ball, with Chief Warrant Officer Warren Schafer and his Second Army Dance Band supplying the music, will be decorated predominantly in red and white. Supplementing the red and white theme will be a varied display of military weapons around the interior of the field house.  
 Preceding the ceremony of the queen and the maid of honor will be the presentation of the new members of Scabbard and Blade. The president of the Scabbard and Blade Society will pin the membership ribbons on the newly-initiated group.  
 New members to be honored at this time include William McMaster, John Farnandez, Vernon Huber, William Phillips, Ralph Barrow, Bill Reybold, Charles Banks, William Doppstadt, William Knoll, Bill Annonio, Melvin Dale Hill, Brad Barnes, Jim Flynn, John McDaniel, Joe Marra, Marty Apostolico, Sherman Bistow, Bob Green and Bill Keene.  
 The dance will be held at Carpenter Field House from nine until one on Friday night and refreshments will be served during intermission.

**Home Economists**  
 (Continued from Page 2)  
 men and, of course, the party to welcome the next six girls to live in the house.  
 The house itself is delightful. Each room is warm and cheerful. A large, spacious living room decorated in soft greens and a bright dining room makes visitors feel welcome at once.  
 The double rooms where the girls live are each of a different design. The attic has been made into a sewing room and spare room. The laundry and recreation room are located in the basement.  
 After their experience in the home management house, the girls are more capable of running a home. Besides having this practice knowledge, the girls have the fellowship and happy experience of working together in the house.

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# Fraternally Speaking: The Greeks...

## Sigma Phi Epsilon

The Panthers wish to congratulate the Delaware basketball team on their splendid victory Saturday; and a special cheer for our three brothers, **Kinch, Kelleher** and captain **Frank White**. They played a great game.

The two annual scholastic awards of the fraternity were given last week. **Bill "Monk" Evans** won the Du Bach award for the best scholastic improvement. **John Todd** received the Scott award for the highest scholastic index.

The Panthers have now attained a mascot. If you notice a fawn-colored boxer pup who answers to the name of **Dellie**, she belongs here, so treat her gently. The only trouble that we are having is that it uses the Sigma Nu lawn for its comfort station.

Congratulations are really in order for our boys this week. Brothers **Dick Knoll, Bill Doppstadt**, and **Bill Annonio** merit a cheer for their initiation into the Scabbard and Blade Society. Congratulations to Brothers **Bob Goodrich** and **Hank Truax** on their initiation into S.P.E. Also we wish to extend our welcome to **Jack Waddington**, who was pledged Tuesday.

## Delta Tau Delta

Unfortunately, it seems that the Delts are trying to open their own infirmary—there were at least three major casualties during the week.

First, Brother **Buretz** was felled by a swelling in his mighty big toe. He escaped to the local medical compound to assume a life of ease.

Then, Brother **Brown** became involved in some unknown catastrophe on the dark plains of the Hullahen Hall lawn. Whereupon, he was seen being gracefully carried into the Shelter, from whence he emerged in the morning, the proud possessor of a battered and bloody right eye.

The final tragic blow struck when Brother **Long** discovered that he had come down with the dreaded Urticaria. His smiling countenance was swollen beyond recognition by Friday night, but has apparently returned to normal. We extend our condolences to these poor unfortunates.

With finals just around the corner, house rules are beginning to tighten up, and all the brothers have their orders in for the oil to burn in those cob-webbed lamps just starting to come down from the dusty shelves. Some of the comments around the house are: **Joe Gooding**, "It's them or me." **Spen Hedger**, "My index can't go down." **Walt Jebens**, "Let's see now... if I can only make a 135 on the physics final."

Tomorrow night the Delts and their dates will invade the Shelter to attend what is expected to be a great house party, and the last one of this semester. Entertainment will be provided by local talent.

Good luck on the finals, and we'll see you next semester.

## Sigma Nu

Reports from Delaware's hinterland (Sussex County) have reached us stating that the "corn pone and hominy grits" boys attended one tremendous wedding last weekend; everybody that was anybody was present. Le Champagne flowed like Pio Wine at Bowery Boy's Convention. Brothers **Hugh Martin** and **Al Temple** both agreed that it was the greatest wedding ever held by the stump jumpers.

A few brothers attended a fine party at the home of **Alumnus Carl Wolf**. Brothers **Bob Wilcox, Bob Waples, Brad Barnes, Bob Christfield, Dean Dahlen, Charlie Presnell, Bob Collingswood** and **Al Dougherty** enjoyed the festivities; all enjoyed the intellectual songs led by **Frank Baylis**.

Last Sunday the first annual Parent's Tea was held in our fraternity house; this gathering allowed some of the brothers' parents to make their first tour of the fraternity house.

## Pi Kappa Alpha

Belated congratulations to **Tony Sockler** and **Betty Kem** who became engaged over the holidays.

On Saturday, several of the brothers and dates witnessed Ice Follies splendor, and the evening found us at the "Raunchy" Mill. Among others were **Fred Pullinger** and **Jo Kreer**, and **Dan Streckler** with **Jo Chandlee**.

Lieut. **Bob Spencer** and Pvt. **Burns Wivel** took leave from Army life to visit us. Their parting farewell: "Stay in college."

Congratulations to **Norman Burns**, who was recently pledged, and to **Marty Burns**, who was elected Education Representative to the SGA.

**Bob Horne**, and **Boyd Cook** and **Wayne Kirklin** are getting in shape for the approaching lacrosse season.

Newly elected officers in Tau Beta Pi include **Jim Gibbs**, vice president, and **Jim Glick**, cataloguer.

What does **Marcus Hook** have to offer that Delaware doesn't have?

## Alpha Tau Omega

Congratulations to **Trig Meeker**, who presented his Maltese Cross to **Joan Houce** recently.

Last Saturday night some of the brothers went on a "safari" to Baltimore. They hit many of the night spots of the big town and returned none the worse for wear.

Another dent was added to Art **Holveck's** "mechanical masterpiece" Saturday night when a couple of local Wilmington hot rods smeared him into the concrete of Front Street with a hopped up Crosley.

Local 12 of the painters union of A.T.O. converged on **Bob Linton's** cellar to smear some paint on the walls. "**Beno**" **Holveck**, "**Ox**" **Hopkins**, "**Baldy**" **Pollitt**, "**Goats Milk**" **Steele**, "**Boss Tweed**" **Pollitt** and "**Picasso**" **Harkins** managed to do a magnificent job of coating one another.

Most of the brothers are preparing to attend the Military Ball, although a couple of the brothers are contemplating treason by refusing to attend. Nevertheless, it should be a great dance.

## Theta Chi

A large contingent of brothers and dates journeyed "down home" to Seaford to see **Jack Messick** take the big step with **Sue Robinson**. **Cueball Martin**, **Dev McCarthy** and "**Bubble Eyes**" **Sullivan** drank the fountain dry. Would like to extend loads of happiness and best wishes to **Jack** and **Sue** on behalf of all the brothers.

**Prexy Charlie Sullivan** and **Ollie Colona** spent the other night sleeping in a tent in the snow. I guess they're getting ready to try to climb Mount Everest next.

**Tom Oves** must have his eye on the best dressed senior award. Over the Christmas vacation he bought quite a wardrobe. Way to go, **Gaylord**.

The Intra-mural basketball league better look out for "**Snowflakes**" **Snowberger**. He recently led the Theta Chi team to a defeat at the hands of the KA's. "**Snow**" probably moved up to the A team as the result of his fine effort.

Congratulations to brother **Dick Johnson** who pinned **Mickey Shick**. Way to go, **Stinewall!**

## Kappa Alpha

After another long week of classes, many of the members were glad to see Saturday come. The basketball game seemed to be the center of attraction—followed up by a small excursion to old F. T. **Bill Keene** and **Joan Hayes**, **Joe Wortz** and **Barbara Snyder**, **Jim Bueche** and **Peggy Warner**, and **Paul Hodgson** and **Jay Rowland** composed the expedition.

Our basketball team is going great guns with wins over Theta Chi, ATO, and SPE. The team consists of **Joe Wortz**, **Bernie Andrews**, **Danny McManus**, **Lyle Carney**, **Jim Bueche**, **Chuck Willis**, **Paul Lloyd**, **Ralph Bingham** and **Jack Simpson**. KA "B" team has been scoring heavily during the year. The Pygmies finally broke into the win column with an impressive win last week.

Question of the week: How is **Hotchie's** grandmother?

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# THE DU PONT DIGEST

## Plant Development

Offers Training and Opportunity



**John Purdom**, M.S. in Ch.E., Ohio State '48 (right), confers with other engineers on the progress of a new plant.

A young chemical engineer recently had his first assignment in a *Plant Development* group at Du Pont. He was part of a team assigned to improve recovery of adipic acid, a nylon intermediate, from plant-waste streams.

First, he made a literature survey for possible leads. Three recovery methods came under consideration: *solvent extraction*, *crystallization*, and a combination *distillation-crystallization* process. He helped to set up a laboratory program to compare and evaluate them.

Preliminary results were somewhat inconclusive. It was decided to go

ahead with semi-works tests, while an organic chemist completed the laboratory work.

Next, the young chemical engineer joined forces with a mechanical engineer to design a semi-works plant to evaluate each method. In this plant, all vital points were checked and rechecked: materials of construction, steam and water requirements, heat-transfer coefficients, yields, product quality, and pollution problems.

The semi-works data revealed that the *distillation-crystallization* process was the most economical, and also gave the best product quality. Usually, the next step would be construc-



**Robert Thomson** (left), B.S. in Ch.E., Univ. of Va. '50, **David S. Rumsey** (center), M.S. in Ch., Univ. of Mich. '48, and **Rene M. LeClair** (right), M.S. in Ch.E., M.I.T. '51, test samples on an experimental batch unit.

tion and operation of a pilot plant. But this time, engineers from the *Production Division* arranged for a limited-scale plant test, using a spare batch still and a crystallizer on a part-time basis. Two months of testing confirmed the previous data—the new *distillation-crystallization* process recovered adipic acid efficiently, and would reduce costs considerably. The plant is now using this process successfully.

That's how one young chemical engineer started his career in a typical *Du Pont Plant Development* group. The job of such groups is to make processes and equipment more efficient, to adapt products to new uses, and to improve product quality.

Plant Development work not only offers opportunity in itself but valuable training for other fields.

ASK FOR "Chemical Engineers at Du Pont." This new illustrated booklet describes initial assignments, training, and paths of promotion. Just send a post card to E. I. du Pont de Nemours & Co. (Inc.), 2521 Nemours Building, Wilmington, Delaware. Also available: "Du Pont Company and the College Graduate" and "Mechanical Engineers at Du Pont."



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### Safe Driving

(Continued from Page 1)

met with Mr. Meier of the public relations department of Chrysler Corporation in an effort to gain Chrysler's support in this drive. Mr. Meier, who was quite enthusiastic about the suggestion, agreed to contact management and union leaders in an attempt to organize a drive.

### Extension Course

(Continued from Page 1)

members and leaders. Considerable attention will be devoted to developing an attitude conducive to making progress in a discussion group and to discovering reasons for discussion "breakdowns" with the resulting loss of time and general frustration on the part of participants.

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