



## Dr. Audrieth Delivers 23rd Priestly Lecture

Unknown facts still to be explored in the field of nitrogen chemistry are enough to stagger the imagination, claimed Dr. Ludwig F. Audrieth, 23rd Priestly Lecturer, in last night's discussion of "The nitrogen system of compounds," third in the series on "Acids, Bases and Non-Aqueous Systems."

Tonight's lecture, in 119 Osmond Lab at 7:30 under the chairmanship of Woldemar A. Weyl, head of the department of mineral technology, deals with "The hydronitrogens," a system of compounds of nitrogen and hydrogen, classified by a scheme similar to the one employed in the organic chemistry of hydrocarbons.

### Solvent Theory

Franklin's solvent theory, described by the smiling lecturer Tuesday night, was given credit for its major role in forming the acid-base concept. Ammonia has been widely used as a solvent in both organic and inorganic synthetic chemistry, because its use offers no experimental difficulties.

Three important classes of reactions characteristic of ammonia as well as other protonic solvents, ammonation, ammonolysis and deammonation, are analogous to hydration, hydrolysis and dehydration in the aqueous system.

Dr. Audrieth described the application of the Franklin concept to the ammonia derivatives of sulfuric and the phosphoric acids, and the properties of sulfamic acid and sulfamide.

Among the interesting facts resulting from studies of the nitrogen system was the discovery that salts of N-cyclohexylsulfamic acid are nearly as sweet as saccharin.

### "Inorganic Rubbers"

So-called "inorganic rubbers" are prepared by the partial ammonolysis of phosphorous pentachloride with ammonium chloride, and polymerization at higher temperatures of the resulting mixture of oily and crystalline polymers.

Although the substance has rubber-like properties, it is still a reactive chemical compound and exists in the meta-stable state, that is, it gradually depolymerizes and loses its elasticity.

Since carbon, phosphorous and sulfur compounds are manufactured on a large scale, it is natural that the chemistry of the nitrogen derivatives of the respective acids should warrant the attention and consideration of the chemical industry, Dr. Audrieth concluded.

However, he added, the nitrides of silicon, titanium, molybdenum, vanadium and tungsten, as well as the corresponding ammono acids of these elements, should intrigue our attention both as organic and inorganic chemists.

Late AP News Courtesy WMAJ

## West Demands Russian Terms

American Ambassador Philip Jessup, in a New York meeting yesterday, asked Russian Deputy Foreign Ministers Andrei Gromyko and Jakob Malik, to put down in writing their exact terms for ending the Berlin blockade.

The British in London anticipate a foreign ministers' conference on the whole German question within the next 60 days. Western diplomats in Moscow are saying that if the negotiators know their business it could lead to an end of the cold war.

### Reds at Putung

In China the Nationalists have abandoned Soochow to the Reds, and the Communists now are poised at Putung, only a quarter of a mile across the Whangpoo River from Shanghai. Foreign warships have steamed away from Shanghai with the bitter memories of last week's battles up the Yangtze in mind.



Dr. Ludwig F. Audrieth, 23rd Priestly Lecturer. The Daily Collegian yesterday published a picture of Paul King, baritone soloist with the Chapel Choir in its presentation of Brahms' German Requiem May 18, as that of Dr. Audrieth.

## Lee To Speak At Convocation

Miss Elizabeth M. Lee, executive secretary of the Board of Missions and Church Extension of the Methodist Church, with administrative duties in Latin America, will be guest speaker at the WSGA annual Convocation in 10 Sparks at 7 p. m. today. All coeds are urged to attend.

In addition to the traveling and administrative experiences mentioned in Tuesday's Collegian, Miss Lee is co-author with Dr. A. W. Wasson of "The Latin American Circuit," a study book on Methodism in Latin America.

Miss Lee is a member of Phi Beta Kappa, American Association of University Women, League of Women Voters, Woman's International League for Peace and Freedom, Fellowship of Reconciliation, Young Women's Christian Association, Committee on Cooperation in Latin America, Committee of Reference and Counsel of the Foreign Missions Conference of North America, and the Foreign Policy Association.

Newly elected officers of WSGA will be installed at the Convocation. These officers are Shirley Gauger, president; Ella Louise Williams, vice-president; Joan Bergdoll, secretary; Ruth Lehman, senator; Barbara Sprengle, junior senator; and Anna Keller, town senator.

## Penn State Club To Sponsor Dance

An initiation theme will greet couples attending the semi-formal dance, sponsored by the Penn State Club, and held at the Delta Sigma Phi house at 8:30 p. m., Saturday.

Music for dancing will be provided by Charlie Hunter and his "Stardusters." The dance is restricted to initiated members, and only couples will be admitted. Refreshments will be served.

At the last meeting of the club, Frank Robinson, a sixth semester C&F major was elected parliamentarian, and George Armstrong, eighth semester forestry student, was appointed secretary.

## Builders Ready Carnival Booths

### 'Anti-Liberal' Tactics Hit By Butterworth

Before almost 200 students and townspeople gathered in the banquet room of the State College Hotel Tuesday night, Prof. Joseph Butterworth, recently expelled from Washington University for holding a membership in the Communist Party, revealed the tactics employed in the "cold war" against American liberals.

"Certain groups are encouraging a pattern that will lead to Nazism," said Dr. Butterworth. "First they attack Communists, then so-called front organizations, national and religious groups, labor leaders and finally labor."

### Expelled

A party member for 14 years, Dr. Butterworth was expelled from Washington University on January 22 along with two other professors. He stated that although a faculty committee voted 8-3 to reinstate him and 103 professors signed a petition for his return, the Washington administration refused to allow his return to the campus.

Dr. Butterworth said, "I'm a teacher of Old and Middle English. None of my political feelings enter into my teaching, and the only reason for my expulsion was the fact that I belong to the Communist Party."

### Oregon Example

After giving other examples of expulsions in Oregon State College, he said that the best action that can be taken is an informative approach by lectures and discussions.

Following Tuesday's meeting, which was sponsored by the State College chapter of the Young Progressives of America, Dr. Butterworth traveled to Boston to speak to another college group.

## News Briefs

### PSCA

The PSCA radio program on WMAJ at 7:45 p. m. today will present a play, "Free and Equal" which deals with Negroes and whites traveling together trying to break Jim Crow.

### Clover Club

Election of officers will be held at the Clover Club meeting in 103 Agriculture Building at 7 p. m. today.

### Circulo Espanol

Sigmund Weil, a student from Peru, will be the guest speaker at the meeting of Circulo Espanol in the Simmons Lounge at 7:30 p. m. today. Professor and Mrs. Xirau will also be guests.

### Eg Ec Club

Rev. Theodore C. Scheifele will speak on rural churches at the Agricultural Economics Club meeting in the Theta Xi fraternity house at 7 p. m. today.

### Home Ec Club

A Coffee Hour in honor of the Home Ec Club will be held in the Home Economics Living Center from 9 to 11 a. m. today.

### Dairy Science Club

A sound film, "Cheesemaking in Dairyland," will be shown at a meeting of the Penn State Dairy Science Club in 117 Dairy at 7 p. m. today.

### Glee Club

The following officers were elected at the annual banquet of the Penn State Glee Club: Charles Margolf, president; Paul Kortwich, vice-president; Robert Neff, secretary; John Krusen, publicity; and Charles Sullivan, manager.

### Pre-Registration Begins May 9

Time tables for the fall semester now are available at the scheduling office for 15 cents. First phase registration will be held the week of May 9.

Final phase registration will be completed September 26 and 27. A new procedure, whereby students will be registered according to alphabetical groups, will be used. Every student will be required to have a matriculation card and a signed schedule. A \$5 fee will be charged for late registration.

## Students Ballot For Chem-Phys School Council

The polls will be open from 9 a. m. to 5 p. m. today in the Chemistry-Physics Student Council Election to be held in the lobby of Osmond Laboratory. Four juniors and six sophomores will be elected to serve as councilmen.

Members of the School of Chemistry and Physics may vote only for nominees who are in their own class. Nominations closed at 5 p. m. Tuesday.

### Juniors Elect Four

Juniors will elect one chemical engineering councilman from Charles Catanach, Robert Hooper and Gene MacDonald; two pre-medical or science councilmen from Bernard Blumberg, George Sorenson, Richard Morton and Norman Reimer; and one physics councilman from Carmen Ciarella, John Duke and Robert Martin.

Sophomores will elect two chemical engineering councilmen from Jack Derr, Russel Herman, Edward Land, Robert Miller and Albert Rubin; one pre-medical or science councilman from Herbert Blough, William Blumberg, William Hoyer, George Klein and Mary McCoy; two chemistry or commercial chemistry councilmen from Carolyn Snyder and Henry Weller; and one physics councilman from a single nominee, Donald Bedo.

### Reelection Not Needed

The sophomores who are elected as junior councilmen at this election will in turn become senior councilmen without re-election at the end of one year in office, providing they are still in good standing in the School of Chemistry and Physics.

The election committee composed of Douglas Brace, Jack Senior and George Herold, announce that last year only 23 percent of the chem-phys students voted in the election. It is hoped that the percentage will be raised this year in order to effect an accurate election by the student body.

## Last Touches Put To Stands As Show Nears

Fifty-eight festivity-happy organizations are today applying the final touches to booths for the College's first Spring Carnival in preparation for the grand opening of the show tomorrow.

### Entries

The following entries have been listed:

Acacia, Ring the Duck; Alpha Chi Omega, Sultan's Harem; Alpha Chi Sigma, egg-throwing booth; Alpha Epsilon Phi, Getting Gerties' Garter; Alpha Epsilon Pi, Mystic Lady; Alpha Gamma Delta, ping-pong ball-gambling game.

Alpha Phi Delta, fortune telling booth; Alpha Sigma Phi, Bowl O Bucket; Alpha Tau Omega, mouse gambling game; Alpha Xi Delta, gambling with colored chickens; Alpha Xeta, Douse the Dopes; Beta Sigma Omicron, Bingo; Beta Sigma Rho, gambling booth; Beta Theta Pi, horse races; Chi Omega and Phi Kappa Tau, side show; Delta Chi, pie throwing; Delta Delta Delta, ping pong ball throwing; Delta Gamma, fish pond; Delta Sigma Phi, golf putting range; Delta Tau Delta, dialouge record of boy and girl on date; Delta Upsilon, throw the ball in the barrel; Delta Zeta and Phi Sigma Sigma, Calendar comes to Life; Gamma Phi Beta and Sigma Alpha Epsilon, Dime a Dance booth.

### Singers

Kappa Alpha Theta and Phi Gamma Delta, singers and comedians; Kappa Delta Rho, love clinic; Kappa Kappa Gamma, burlesque show; Lambda Chi Alpha, freak show; Phi Delta Theta, sponge-throwing; Phi Epsilon Pi, gambling booth; Phi Kappa and Theta Phi Alpha, dart throwing; Phi Kappa Psi, ping pong ball throwing.

Phi Mu, Humpty Dumpty; Phi Sigma Delta, dice game; Pi Kappa Alpha, kissing booth; Pi Kappa Phi souvenir photos; Pi Lambda Phi, pitch penny; Sigma Chi, knock over the schmoos; Sigma Delta Tau, life's a bang at Penn State; Sigma Phi Epsilon, bell ringing strength test; Sigma Pi, cigarette shooting gallery; Tau Kappa Epsilon, penny pitching; Theta Chi, baseball throwing; Theta Xi, ring the goose.

Triangle, horse racing and roulette; Zeta Beta Tau, ball throwing booth; Zeta Tau Alpha, Daisy Mae Schmoos; Sigma Alpha, dice wheel; A.I.M., Firemen's booth; Collegian, Get Your Name in Headlines.

Club 51 PSCA, hammer and nails booth; International Relations Club, new arrangement of countries and capitals; Penn State Club, weight guessing, roulette, and cork gun range.

## Baseballers Bounce Lafayette; Tkac Leads Lions to 5-2 Win

Special to The Daily Collegian

EASTON, PA., April 27—Al Tkac batted and pitched Penn State's baseball team to its third win in four starts today, as the Lions torpedooed a strong Lafayette diamond crew, 5-2, before a crowd of 2,000 on the losers' field.

Tkac allowed only six hits as he went the distance against the Leopards, who suffered their second loss. In addition, the Nittany hurler struck out five and walked but one. Not a Maroon player reached second base until the eighth inning, when the hosts tallied their runs on a walk, two singles and an infield out.

Coach Joe Bedenk's forces opened the scoring in the first inning. Hen Albright walked, and after both Gene Solomon and Captain Hal Hackman were put out, husky Stan Laganosky stepped to the plate and rifled the ball into the distant right-centerfield bleachers for a home run. It was Laganosky's first hit of the season.

Three runs were chalked up by the Nittanians in the eighth inning to ice the game. Laganosky walked, and advanced to third when Dick Wertz's hit was fumbled by Bill Ondick singled Laganosky home, Wertz going to third. A

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