

Exchange Dances Feature Senior Women's Affair Scheduled For June 1

A new feature for this year's senior women's dance will be programs for dance exchanges obtainable at the Student Union desk next Wednesday.

42 Awards Given To Red Cross Men

Presentation Concludes First Aid Training Course

Fifteen instructor's cards for first aid training and 27 Red Cross first aid certificates were presented to graduates of the course at a banquet in Old Main Sandwich Shop last week.

Speakers at the banquet were Dr Arthur H Davis, toastmaster, Dr Charles Dietrich, member of the College medical staff, Professor William B Edwards of the forestry department, Robert Y Sigworth, superintendent of College utilities, Mrs J Stanley Cobb, chairman of the State College Red Cross chapter, Philip Ray, personnel manager of the Titan Metal Co, Bellefonte, and Lorin J Elder, director of first aid.

Instructors Awarded
The following received instructor's cards Seniors, Sanford R Brown, William H Guerrant, Edward P Farrant, Charles W Haas, Floyd R Huleman, Rodney M Hoy, David S Johns, Alfred O Meder, Ronald C Pearson, Ralph H Smay, Paul O Staller, Stephen T Rollins, juniors, Robert Slagle, and Helen Driver, sophomore, William Brown.

Standard American Red Cross first aid certificates were presented to the following students seniors, Malcolm M Armstrong, Edward R Brooks, Alfred H Jacobs, Robert M Johnson, Frederick J Kuhn, Frederick McGredy, Herbert D Shoemaker, juniors, Marius M Demeyer, William Laird, John B Milono, Welton M Modisette, Clarence H Smalley, sophomores, Clinton W Benjamin, Robert M Nonnemaker, and Horace W Evans, two-year student.

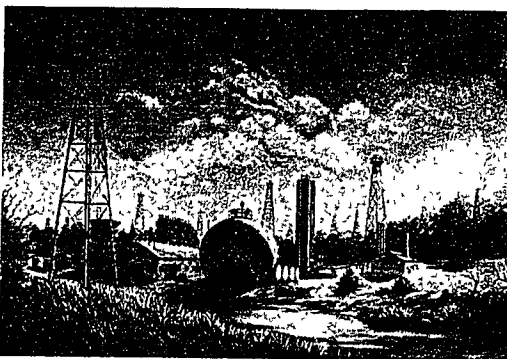
Twelve non-students also received standard certificates.

Landsberg Finds New Forces Cause Quakes

Dr Helmut Landsberg, assistant professor of geophysics has discovered a close relationship between earthquakes and changes of season, according to his report last Thursday to the American Geophysical Union in Washington, D C.

Dr Landsberg indicated that seasonal changes shift large air masses into different hemispheres, thus upsetting the earth's poles of rotation and bringing each region of the earth under a different centrifugal force. A slight change in force can release latent energies straining in the earth's crust and set off an earthquake.

OIL FIELD PAINTING IN MI GALLERY



Pictured above is an oil painting presented to the Mineral Industries gallery by Prof and Mrs Chesleigh A. Bonine. Professor Bonine is making geology studies in oil fields in seven states during sabbatical leave this semester. The painting shows the lease of the Gibson Gasoline Company in Texas. Painted by Raymond Secrest, the painting has won first prize at both the fine arts exhibition at the Rusk County Fair, Henderson, Texas, in 1939, and at the fine arts exhibition at the East Central Texas Fair in 1940.

Penn State Operates Own Shortwave Station

W8YA And WLMA Are Call Letters Of College 'Ham' And Army Radio Established Here In 1908

CQ CQ de W8YA W8YA This strange signal flashes nightly all over the world from a small gray building in back of the University Club. It is Penn State's own radio station.

Back in 1908, almost 35 years ago, a young instructor set up a small amount of equipment and an antenna on the roof of the old wooden Engineering F building and began to broadcast by telegraph.

It was this young man, later to become Lieutenant Colonel Slaughter of the U S Signal Corps, who constructed one of the first radio stations in this country.

In 1910 the Pennsylvania Railroad became interested in the station as a possible emergency signal system in case their own broke down. The company provided the station with sufficient funds to purchase better equipment and also aided in the construction of a steel tower which has since been torn down. The Class of 1912 donated their entire treasury to the College to pay for the tower.

WPSG finally came into being as a regular broadcast station in 1920. Football games, Sunday morning chapel, student musical organizations, and all Commencement exercises were among the programs broadcast to the public. The power used was only about one-fifth of that used by present day stations but was sufficient to cover most of Central Pennsylvania.

Federal Radio Communications regulations became so stringent that homemade equipment would no longer suffice and lack of the necessary funds to purchase new apparatus forced the College to close the station and surrender its license, returning to its old function as an experimental station.

Since that time W8YA, its present call letters, has become increasingly active in experimental work and is now regarded as one of the foremost shortwave stations in the East. It also serves as alternate for the official Army station in Washington and uses the call letters WLMA when acting in that capacity.

Seven Teams Enter Judging Tomorrow

The annual Eastern Intercollegiate Livestock Judging Contest will be held here, tomorrow with teams from Cornell, Massachusetts State College, University of Maryland, Rutgers, University of New Hampshire, and several other land grant colleges participating.

The Penn State team is at Cornell today for a practice contest with the Ithacans, and was at the Briarcliff Farms in New York yesterday competing for the Briarcliff Trophy in judging Aberdeen Angus cattle.

Members of the team, coached by Prof William L Henning, department of animal husbandry, include Thomas R Baird, Robert C Campbell, Samuel A Dum, Ray H Dutt, Clayton Hackman, Morton E Jenkins, William P Lehrer, and George T Stewart. All are juniors.

Letters To The Editor

To the Editor:
I wonder whether you could do me the favor of passing on a message of thanks from me to a few thousand people, every one of whom I would like to thank personally for all they did for me after my recent accident.

Alcatraz Fan Mail Reaches Klassen

Sociology Instructor Receives Many Thanks

Fan-mail from unexpected admirers in Alcatraz and other penal institutions are being received by Peter P Klassen, instructor in sociology, as a result of his recent recommendations for prison reform which attracted wide publicity.

A letter written from the island fortress in San Francisco Bay and signed only by a prison number declared "I have read with much interest an article in our newspaper about your views of probation and parole. I am much interested in this subject being interested in penology and a student of applied subjects in my spare time."

An inmate of Jackson State Prison, in Michigan, writes the following "Your treatment is one of the healthiest statements ever uttered. Thanks to you."

Klassen recommended that all offenders be examined and then placed in the type of prison environment best suited to their traits.

Pershing Rifles Will Meet Here

National Convention Scheduled In August

Approximately 47 collegiate representatives will attend the national convention of the Pershing Rifles, honorary military society, held here on August 2, 3, and 4.

The Penn State division, Company B of the Fifth regiment will propose a regimental drill competition in 1941 to include companies from Cornell, Syracuse, City College of New York, Maryland, and Penn State.

Robert N Baker '41, representative to the national convention in St. Louis last year will act as committee chairman in preparation for the convention.

Rose Named President Of MI Student Council

Alex J Rose '41 was elected president of the Mineral Industries Student Council and Lewis C Cavalier '41 was chosen all-College Cabinet representative at a meeting last week.

Other officers are John H Steeves Jr '41, vice president, and Andrew Rostovsky Jr '43, secretary.

CLASSIFIED ADS

Classified ads are accepted only at Student Union Office in Old Main and must be paid before insertion. Ads are accepted up to 1 p. m. on the day preceding publication.

TYPEWRITERS—All makes expertly repaired. Portable and office machines for sale or rent. Dial 2342. Harry F Mann, 127 W Beaver avenue. 16-Sept

STUDENTS, FACULTY—Are you interested in earning \$25 to \$30 per week this summer? The Fuller Brush Company wants dealers for this summer who select your territory. College agent John B. McCue, 611 S Pugh Phone 2610. 261-1tpd-EK

FOR RENT—Five-room apartment for Summer Sessions sleeping and eating facilities for six or eight. Phone 2651. 260-2tpd-EK

ROTC Graduation Parade Set For 3 P.M. Monday

Presentation Of Medals, Transfer Of Command To Take Place; Will Broadcast Proceedings

Presentation of medals to the leaders of the Reserve Officers Training Corps and the transfer of command from seniors to juniors will take place at the ROTC graduation parade to be held on the athletic field at 3 p m Monday, weather permitting.

For the first time, visitors will be able to hear as well as see the proceedings which will be broadcast over the loudspeakers. A definite division has been made between the infantry and engineers and two complete regiments, forming the cadet brigade under Cadet Colonel Skibbe, will pass in review before President Ralph D Hetzel. The infantry and engineer bands, and an exhibition drill by Pershing Rifles will be the features of the parade.

President's Award
The following students will be presented with the specified awards. President's Medal to outstanding infantry cadets, sophomore class, 1st, John W MacIndoe, 2nd, Joseph H Shollenberger, 3rd, Robert F Mattern, freshman class, 1st, Wayne C Shaffer, 2nd, William K Miller, 3rd, William A May.

President's Medal, outstanding engineer, sophomore class, 1st, William G Barger, 2nd, John H Quirk, 3rd, Edward A Kachik. P M S & T Medal, outstanding sophomore of Pershing Rifles, Edward G Jackline; outstanding freshman, Robert K Babbour.

Rifle Honors
Third Corps Area Intercollegiate Indoor Rifle match, 1st, Benjamin H Stahl '41, 2nd, Christian L Matlin Jr '41.

Second place, National Intercollegiate Matches, Stahl (capt), Gilbert G Gault '41, Myles E Altimus '41, Robert G McCoy '41, George A Brentem '40, Matlin.

First place, sectional intercollegiate matches, Gault, Stahl, Altimus, McCoy, Bentrem, Matlin, Noah Z Getz Jr '41.

Varsity Team
Varsity rifle team, National Rifle Association Qualification.

Jitterbugs 'Swing Out' In Old Main On Sunday

Sunday Afternoon Downbeat Club Holds Weekly Jam Sessions For Penn State 'Jump And Jivers'

Tucked away in a corner of the Old Main Sandwich Shop the Ubangi rhythm of drums disturbed the campus tranquility as the Sunday Afternoon Downbeat Club beat it out in another of their weekly sessions.

Jitterbugs literally jammed the five-infested room and shag, and boogie-woogie dance steps kept the musical quiet on edge. Gya-tions more resembling delirium tremens than dancing were in time with the hot blue of a trumpet. It truly was Penn State gone jitterbug at a typical frenzied jam session.

Perched behind a gaudy array of drums was "Dutch" Dietrich beating it out in Kiupa fashion, while next to him, seated on a piano stool, was "Buggs" Summer Thumping the bass fiddle or dog house, was Doug Fought Squatted beside the piano were Vic Dimeo on the lumpy and Don Hess on the saxophone.

The constant flow of torrid licks by the trumpeter mixed with the jungle drums gradually wore down the jitterbug field until only two couples remained. It was about that time that "Fat Stuff" Perlmuter, bass violin player in the College Symphony, strutted through the back door and took up the beat.

Improvising was at its height with any one of the quintet taking off on a solo. A short introduction on the drums or piano was a sufficient signal, and then royal, downbeat rhythm veritably shook the rafters.

After the lads became nearly prostrate from trying to outdo the other, someone suggested a slow number. The mere mention of a "slow one" seemed to perpetuate insurrection. But the lads all agreed and continued with "Dark Eyes."

"Just an indication that even Penn State isn't free from the fatal bite of the jitterbug," Bill Galbreath suggested as we left the swing-fanatic quintet and

Machine Smokes Tobacco, Pipes Like Human Being

Graduate, Instructors Construct Apparatus For Scientific Research

Does a certain pack of cigarettes really give you "5 extra puffs"? With the aid of their "smoking machine," Jason E Matthews, Jr and Dr Dennis E Haley, of the department of agricultural biochemistry, can answer this and many other questions about popular brands of tobacco and cigarettes.

Costing about \$750 to build, the machine is uncanny in its accuracy in smoking tobacco. The operator can control the length, the time, and the volumes of each puff. The smoke from the tobacco is trapped and every ingredient in it can be extracted and measured.

The machine, conceived by Dr Haley and Matthews, is the only one of its kind in the world. Construction was begun about the first of December and it was not completed until the first of March.

Its builder Matthews, says, with a twinkle in his eye, "The only thing our machine won't do is chew tobacco, or develop a smoker's cough. It will smoke cigarettes, cigars, and even pipes."

An elaborate system of temperature control will soon be installed so that the temperature may be determined at the very time the tobacco is being smoked.

EXAM TIME IS COMING

Poor Eyesight May Cause Failure

We have installed the latest Baush and Lomb examination equipment to give complete optical service.

Broken lenses replaced within twenty-four hours. Bring the broken pieces.

Dr. Eva B. Roan
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