

History Prof Leads European Seminar

By JOE BEAU SEIGNEUR
Dr. William H. Gray, professor of Latin-American history, will be able to give his History 22 and 23 classes the European slant on life, as he was group leader for the summer seminar to Europe, sponsored by the University last summer.

Students who scheduled History 22 this semester knew that they would be taught by a man who had been to most of the places mentioned in the lectures. Dr. Gray is prepared to discuss his trip to Europe with ease.

Nineteen students, about two-thirds of them Penn Staters, went on the seminar last summer. Diane Thatcher, fifth semester education major, Alice Gardner and Jann Ensor, third semester arts and letters students, made the trip.

Tyrolian Hats
Students brought back such varied articles as salt from the Salzburg mines in Austria, Tyrolian hats with long feathers, Alpine leather britches with "hosen dragen" or suspenders trimmed with the edelweiss Alpine flower, and numerous other items.

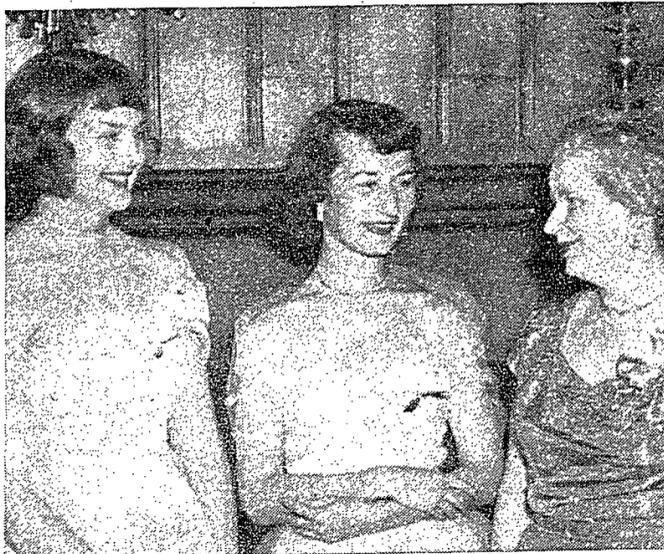
"Two girls wanted to bring back French poodles which sold for \$50 a set," Dr. Gray recalled, "but the upkeep and transportation costs were so high they decided to forego the purchase."

One of the girls purchased a 42-inch sword, and carried it with her through Europe. The students in the seminar visited the Salzburg Music Festival, the Uffizi and Pitti art galleries in Florence, the Palais des Nations in Geneva, the homes of Mozart, Bach and Beethoven, and the estate of Pierre Boal, American ambassador to Switzerland, and owner of the Boal estate at Boalsburg.

Vienna Seminar
The University of Vienna provided four English-speaking teachers, and students studied geography of Middle Europe, history of Europe, international relations, and education in Europe as contrasted with education in the United States. The group spent four weeks at the University. The trip was sponsored by the General Extension Services of the University.

LA LaVie Pictures
Liberal Arts seniors whose last names begin with N through Z may have LaVie pictures taken at the Penn State Photo Shop today through Tuesday.

Pi Beta Phi Officer



MRS. ROBERT S. WILD, grand president of Pi Beta Phi, last weekend conducted the installation of Pennsylvania Epsilon chapter at the University. The former Aye See Colony became the 100th chapter of Pi Beta Phi as 20 women were initiated and 21 pledged to the national sorority.

PSCA Assembly To Hear Finch At 7 Tonight

Dr. Henry A. Finch, associate professor of philosophy, will discuss "Pilgrims and Progress" at the Penn State Christian Association Assembly at 7 tonight in 304 Old Main.

An open discussion from the floor will follow Dr. Finch's talk, which is open to the public.

The Rev. A. F. Merrill, Baptist missionary on leave from his post in Assam in northeast India, will conclude his two day visit at the University by speaking at a supper meeting at 5:30 p.m. today in the University Baptist Church.

Students wishing to talk to the Rev. Merrill on missionary work, life in India, or any other phase of his experiences may make an appointment today by contacting the Rev. Robert Starbuck, student pastor of the Faith Evangelical and Reformed Church, or Mary Jane Wyland, coordinator of the Christian Association, in 304 Old Main.

Senate to Meet Tonight

The Senate of Women's Student Government Association will meet at 6:30 tonight in 111 White Hall. Barbara Wertz, secretary, will preside for the remainder of the semester in the absence of Nancy White, president, who is student teaching.

Porpoise oil is often used to lubricate delicate machinery like watches.

Ag Council To Sponsor Harvest Ball

Amid a fall atmosphere, the Harvest Ball, sponsored annually by the Agriculture Student Council, will be held from 9 p.m. to midnight Dec. 4 in Recreation Hall.

For the third year, a queen of the Harvest Ball will be chosen. Sororities, fraternities and campus organizations may turn in entries. Candidates' photos, 8 by 10 inches, may be submitted at the Student Union desk in Old Main until noon Tuesday. A faculty committee will select the finalists. They will be announced the week of the Harvest Ball.

Tickets for the semi-formal dance will go on sale today for \$2 at the Student Union desk in Old Main. Representatives of Agricultural clubs will also sell tickets.

Music for the dance will be provided by John Nicolosi and his orchestra. The student council requests that no corsages be worn. Refreshments of punch and cookies will be served.

Hillel Will Sponsor 'Turkey Trot' Monday

The Hillel Upperclass Independents will sponsor a "Turkey Trot" from 7 to 9:30 p.m. Monday at the Hillel Foundation, 224 S. Miles street.

Round and square dancing will be featured. Also included in the affair will be a jam session made up of members of Zeta Beta Tau fraternity.

There will be no admission charge for the open dance.

Discuss Spring Week

The Barons, Nittany-Pollock social group, Monday discussed plans for Spring Week. Thomas Claypoole, president, announced that the "Midterm Mania" dance held Saturday was a success.

Small Tunnels Run Under MI Building

By AL MUNN

Do you happen to be interested in mine shafts, oil wells, or pumping jacks? If so, take a tour of the Minerals Industries Building.

Two miniature mine tunnels run under the basement of the building. These are used by the Mining 481 classes to simulate the ventilation conditions of mine shafts. Through a series of doors and fans, the air is pumped into the tunnels and the amount needed to ventilate different sections of a tunnel is determined.

Since timber retards wind, students build structures similar to those used in shafts to determine the wind gage.

Explosions are set off in the tunnels during the year, individually or in series. To prevent harm to the building, only the blasting caps are actually exploded.

The outer tunnel is approximately 60 feet long and 20 feet wide; the smaller tunnel measures 50 feet by 15 feet.

The tunnels were built when the building was erected in the 1930's. Electric lights and plug

outlets were installed to enable testing equipment to be used any place in the tunnels.

An American Standard Tool Rig, scaled from a 77-foot rig, was built in 1940 from the petroleum division. The model can do actual drilling, and is used to demonstrate operating characteristics, power consumption, tool use, and the names of the various parts.

A 350-foot cased and tubed oil well is also underneath Mineral Industries. The well now only produces salt water. A full-scale pumping jack is over the well. The jack gives the students operating data, indicator cards, power consumption and counterbalancing information.

These, and many other interesting structures, are housed in Mineral Industries. Surprising information and pleasure may be received with a little investigation.

Gazette

Today
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, 12:30 p.m., Walker Lab.
AMERICAN-METEOROLOGICAL SOCIETY, 7:30 p.m., 203 Electrical Engineering.
FROTH EDITORIAL AND ART STAFF, 7 p.m., 9 Carnegie.
MARKETING CLUB MEETING, 7:30 p.m., Sigma Nu Fraternity.
NEWMAN CLUB, DISCUSSION, 7:30 p.m., Catholic Student Center.
NEWMAN CLUB BASKETBALL, 7 p.m., Lutheran Student Center.
SIGMA PI SIGMA, 7:30 p.m., 117 Osmond.

INFIRMARY
William Appleton, Jesse Arnelle, Donald Bailey, George Biemesderfer, Marvin Daley, William Detterer, Fred Ernest, Lois Helms, Dean Moyer, Allene Seltzer, John Shelly, and Mitzi Stern.

PLACEMENT SERVICE
The companies listed below will conduct interviews on campus. Schedule interviews now in 112 Old Main.
OWENS CORNING FIBERGLASS CORP. will interview Jan. B.S. and B.A. graduates in ChE, Arch., E, CE, EE, IE, ME, Chem., Commercial Chem., Phys., Arch., Arts and

Letters, Journalism, Labor-Management Relations and Ceramics on Nov. 18.
NORTH AMERICAN AVIATION (DOWNEY, CALIF.) will interview Jan. graduates in Chem., Phys., ME, EE, CE, Aero. E, ChE, and IE; M.S. candidates in Chem., Phys., ME, EE, CE, Aero. E, ChE, and IE who have completed at least one semester; and Ph.D. candidates in Chem., Phys., ME, EE, CE, Aero. E, ChE and IE expecting to receive their degrees in 1954 on Nov. 18 and 19.
STANDARD OIL DEVELOPMENT CO. will interview Jan. B.S. graduates, M.S. and Ph.D. Candidates in Commercial Chem. on Nov. 19.
THE YOUNG WOMAN'S CHRISTIAN ASSOCIATION will visit the campus on Nov. 19 to discuss opportunities in the organization with interested students.
UNITED AIRCRAFT CORP. will interview Jan. B.S. graduates in Aero. E and ME on Nov. 19.
UNITED AIRCRAFT CORPORATION (RESEARCH DEPT.) will interview M.S. and Ph.D. candidates in Aero. E and ME on Nov. 19.
TIMKEN ROLLER BEARING CO. will interview Jan. B.S. graduates in ME and Mining E. on Nov. 20.
U.S. NAVAL ORDNANCE LABS. will interview Jan. B.S. graduates in EE and ME on Nov. 20.
U.S. STEEL CORP. will interview Jan. B.S. graduates in all engineering curricula on Nov. 23.
OHIO DEPT. OF HIGHWAYS will interview Jan. B.S. graduates in CE on Nov. 23.
THE ATLANTIC REFINING CO., CRUDE PROD. DIV.: DALLAS, TEX. will interview Jan. B.S. and graduate students in CE, EE, ME, ChE, and P.N.G.E. interested in production, research and field work on seismograph crews, on Nov. 23 and 24.

CANDY
A Mixed Nuts
N Fudge
E State College Ice Cream

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Between the Movies

One day left in the 7th Anniversary Sale of —fall and winter—
SHOES, HOSIERY & HANDBAGS
—Save 10% on every purchase—
at
Simon's
109 South Allen St.

Froth Staffs to Meet
Froth editorial and art staffs will meet at 7 tonight in 9 Carnegie.

Today **WARNER** theatres
CATHAUM
"THE ROBE" in Cinemascope
State
"SAILOR OF THE KING" Jeffrey Hunter
Nittany
Encore Triumph "STAGE DOOR" Katherine Hepburn Ginger Rogers

Little Black Books are fine, but all Penn Staters know that for VITAL information nothing beats THE STUDENT DIRECTORY 50c at KEELER'S CATHAUM THEATRE BLDG. — W. COLLEGE AVE.