

Sigma Xi's Hear Zechmeister

Professor L. Zechmeister, head of organic chemistry at the California Institute of Technology, delivered a technical explanation of "The Use and Application of Chromatography" to an audience of fifty in Chapman hall Wednesday.

Dr. Zechmeister's nationwide speaking tour is under the sponsorship of Sigma Xi, national science honorary.

Obscure Science

Chromatography, he explained, is a relatively obscure art of sci-

ence but one which is widely used. It deals with the separation of the compounds in a mixture by way of filtering different dyes through a compressed substance which absorbs and retains these dyes at different levels.

The principle is the same as in the spectrometer, the only difference being that the chromatograph works by selective absorption of particles on a surface whereas the spectrometer works by selective absorption of light.

"Through the use of chromatography," Dr. Zechmeister says, "the chemist's dream of separating a mixture by cutting it with a knife has come true. Now all we have to do is free from its container the column which has absorbed

the components at various levels and cut away the part we want."

Useful to Biologists

By the use of these methods of isolation and designation of the components of a substance, that substance may be tested for purity to the point of absolutism. The method may also be used effectively by biologists in their study of mutations in plant and animal life. In addition to these points Dr. Zechmeister illustrated the advantages of using chromatography and spectrography as effective checks, one against the other.

Prior to his arrival in this country before the war, Dr. Zechmeister held the post of head of organic chemistry in the University of Hungary medical school. In 1935 he was awarded the Pasteur medal of France for his work in the field of carbon compounds. In 1937 he received the grand price of the Hungarian academy. He has achieved fame in this country through his work with lignin, enzymes and cellulose.

Desk Staff:

- Gloria Talarico
- Anne Goodman
- Marilyn Madden
- Ruthe Reagan

The expression "Minding your Ps and Qs" comes from an old English alehouse custom. In the pubs, books were kept for each customer. P stood for pints and Q for quarts.

UO Graduate Receives Honor

Colonel John M. MacGregor, a graduate of '23, received the Legion of Merit medal for service a chief of the legal branch, chemical warfare service in New York recently.

While at Oregon university, MacGregor was ASUO president, started the first drive for funds for a Student Union building and was a member of Alpha Tau Omega fraternity. He graduated with a BA degree in economics and later received a law degree from Columbia university in New York. At present he is an attorney in New York, the national president of Alpha Tau Omega, a member of the board of directors of international house, and a member of the board of directors of International House, and a member of the board of managers, St. Andrews society of the state of New York.

Board to Interview Medical Applicants

Prospective medical school students of the University of Oregon will be interviewed today and tomorrow by an admissions committee from the University's medical school, it was announced this week. The interviews are a step in determining admission to the medical school's fall class of 1948. They will be conducted in McClure hall.

The admissions committee will be composed of David W. E. Baird, M. D., dean of the medical school; Edward S. West, professor of biochemistry at the medical school; and William M. B. Youmans, M.D., professor of physiology in the medical school.

70 Symposium Meetings Due in Winter Term

Winter term activities for the University of Oregon symposium group were outlined for members Tuesday night at their first meeting following a successful trip to Whitman college, Walla Walla, Washington in December. Dr. E. Ray Nichols Jr. of the speech and drama department summarized the results of the Whitman trip and outlined a tentative schedule calling for 70 symposium engagements during the months of January and February.

In a symposium tour into northern and western Oregon preceding intercollegiate competition in the Western Speech association tournament at Whitman, speakers under the direction of Dr. Nichols and Mr. John Baird completed nine discussions before audiences totalling 1200 people in schools and service clubs in the upper Columbia river area.

Three first place awards were won by University of Oregon speakers at Whitman. Dorothy Orr, sophomore in business administration, placed first in after dinner speaking and won third in lower division women's oratory; Nancy Peterson, junior in journalism was awarded first place in women's impromptu; and Warren Miller, senior in political science, was awarded first place in men's extemporaneous speaking. Ralph Teters, junior in psychology, was a finalist in men's extemporaneous. Other University participants in the four-day tour sponsored by the Educational Activities board were: Boyd Peterson, junior in pre-law; Fred Dodge, freshman in liberal arts; James Danielson, freshman in pre-law; and Ed Peterson, freshman in liberal arts.

UO Extension Classes Started

Winter term classes of the University general extension division were organized January 5, with subjects offered on the curriculum. These classes are held on the University of Oregon campus and in the shop of Eugene high school.

Courses open to winter term enrollees include lower division painting and lower-division applied design in the art school; personnel management in the business administration school; and Oregon school law and system of education, applied mental hygiene, alcohol studies in the school curriculum, and applied mental hygiene seminar in the school of education.

Economic geography will be open in the department of geography and geology; methods in wood-working, advanced methods in the industrial arts section; Dante and his times and great books in the literature department; and special teaching methods for music in the music department.

Physical education classes will teach body conditioning for women, square dancing, and special health problems. Elementary conversational Spanish and advanced conversational Spanish will be open in the department of Romance languages; stenography in the secretarial science section; and sociology of the city in the sociology department.

Alumni Secretary Makes Island Trip

Les Anderson, alumni secretary, and his family have been visiting relatives in Honolulu, Hawaii, for the past three weeks. They will return early next week.

While in Hawaii, Anderson planned to have a meeting of Oregon alumni.

Grad Students Schedule Tests

The graduate record examination for present and prospective graduate students will be held February 3 and 4, Mrs. Jean F. Brown of the graduate department announced yesterday.

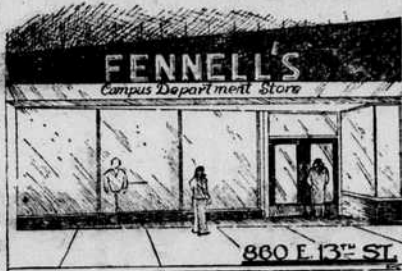
Registration is being held for the tests at the counselling center, 213 Emerald hall, from 8 a.m. to 4:30 p.m. Deadline for registering is noon, January 15. There is a \$5 fee.

The graduate record examination is given four times a year on a nationwide basis, Mrs. Brown said. It is one of the requirements for a Ph.D. The examination consists of a series of tests on subjects including English, language, science, and mathematics.

Several departments of the University, Mrs. Brown continued, require the examination of graduate students. However, although many universities use it instead of a qualifying examination, the University of Oregon requires a regular qualifying test for all graduate students.

INITIATION GIFT

Sorority and Fraternity



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- 3 SHORTY COATS 100% wool were 27.95 to 39.95 NOW 15.00 and 20.00
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- 25 DRESSES assorted sizes, colors, materials and styles. Were up to 27.95 NOW 8.00 and 13.00
- 9 SUITS 100% hardfinished wool tailored. Were up to 57.95 NOW 19.00 and 33.00
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