

# UO Acquires \$300,000 Atom Device

An opportunity for significant research in the field of nuclear physics was afforded the University Tuesday with the acquisition of a \$300,000 high speed atomic accelerator.

The 4-Mev Van de Graff Model KN-4000 positive ion accelerator is being acquired by the University physics department under a \$300,000 contract with the United States Atomic Energy Commission.

## Crasemann Assists

"This equipment makes it possible for the University to participate in a significant manner in research and in the training of people in nuclear physics," University President Arthur S. Flemming said Tuesday.

In announcing the acquisition of the reactor in his press conference, Flemming called on Bernd Crasemann, professor of physics, to assist in the explanation of the new accelerator's operation.

## Atom Structure

The accelerator will be used to study the nucleus of the atom.

"The central question in nuclear physics is still the problem of the structure of the nucleus of the atom . . . of the forces that hold the protons and neutrons together in a nucleus," Crasemann explained.

Machines such as the accelerator are used in these studies. The term "cyclotron" is also applied to these machines.

The accelerator will generate 4.5 million volts of electricity by spraying an electrical charge into a continually moving silk conveyor belt, which moves the charge to a high voltage terminal. Positively charged atomic particles, ions, will be introduced into the terminal from various gases.

These particles will be "shot" along a 14 foot glass and metal tube, building up speed to 18,750 miles a second. At the tube's end they will bombard the atomic nuclei of various elements.

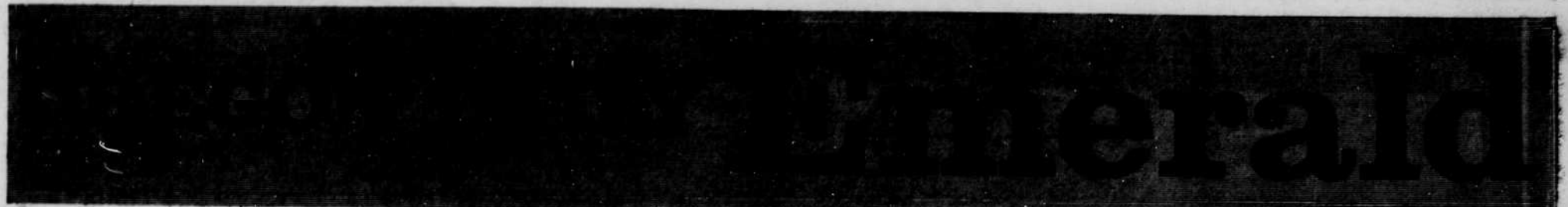
The reaction of these elements will be studied, in order to learn more about what happened in the atomic nucleus of each of the elements.

## Installation in 1965

A 20-by-40 foot concrete structure to house the accelerator will be built adjacent to the existing student health service building, with the basement of the building to be used as the "target" area for the materials to be bombarded.

The health service, housing the Infirmary, will move to another location before the machine is installed in 1965.

Acquisition of the accelerator "will greatly strengthen our research department," Crasemann said. "It will make exciting new areas of research available," he concluded.



## Pub Board Picks Neville For Emerald Editorship

Student Publications Board Tuesday night selected as Emerald editor the first woman since 1952.

Cathy Neville, junior in journalism, will assume the editorship May 1.



CATHY NEVILLE

J. Craig Mathiesen, a junior in marketing, was named Emerald Business Manager.

He immediately said Mrs. Marie Forrester, current advertising manager, will continue in

the post unless she has other commitments.

Miss Neville has been on the Emerald staff since her freshman year and has been Academic Affairs Editor this year. Her contenders for the position of editor were Chuck Beggs, entertainment editor; Ron Cowan, news editor; and Jim Frake, assistant managing editor. All are juniors in journalism.

Mathiesen petitioned for the position of Business Manager with Everett Cutter, Kenneth Kappel, Helen McBride and Raul Soto-Seelig. All the petitioners are presently advertising salesman.

## Student Concerns

"I hope to continue the Emerald's efforts to analyze areas of major concern to students and to the University faculty and indicate the significance of these events," Miss Neville said. "I want to encourage more depth reporting, including background information and follow-up stories in our news coverage."

"I am aware that the position of Emerald Editor is one of the most responsible posts open to students at the University," she said. "For this reason, I hope to stress responsible news and editorial policy to staff members and to produce a well-written paper."

Staff appointments include Ron Cowan as associate editor, Jim

Frake as managing editor, Steve Green as news editor, and Chuck Beggs as editorial page editor.

Other staff positions and editorial board appointments will be announced next week.

Mathiesen said, "I will be pleased to work with Cathy (Neville) in managing The Emerald. Greater emphasis will be placed on obtaining both local and national advertising."

He continued — saying, "We will seek to improve internal communications and promote the Emerald toward another award-winning year."

## Election Sought On Conduct Code

University students may be able to give the Student Conduct Code a vote of confidence in the spring term general election.

If the signatures of eight per cent of the student body are collected on petitions now being circulated by Doug Van Wormer, the measure will appear on the ballot.

Van Wormer has provided two options be placed on the ballot:

- 1) I endorse the basic philosophy of the Student Conduct Code.
- 2) I believe the administrative section (Part II) of the Student Conduct Code is inadequately written and administered.

Van Wormer said he is "tired of listening to all the bickering" about the conduct code, and decided to put the issue on the ballot to stimulate student interest.

## Code Understanding Low

He said the general opinion of student leaders is that the general student body knows "what the code is about. But I'm sure they don't."

After he started circulating the petitions and talking with students, Van Wormer said he is even more convinced the students do not understand the code.

"I want more people to know what the code is," Van Wormer said. After it is understood, it can be accepted or rejected, he added.

At present, Van Wormer says the code is a "fuzzy issue" in the minds of the students.

## Sherburne Signs Petition

He thinks the circulation of the petition, and putting the measure on the ballot, "will get the interest stirred up."

The petitions and election will have no bearing on the administration of the code, but will serve only to register student opinion.

ASUO President Phil Sherburne signed the petition Tuesday night, and told The Emerald he thought placing the Conduct Code issue on the ballot might make it "more of a campaign issue."

He said the first option is a fair question, but the second (concerning writing and administration of the code) is "not really valid."

## Interested in Reaction

The administration of the code is in an area few of the students are aware of, he said. In explaining this, Sherburne cited the changes in the structure of the courts which have been made since the original code was adopted and printed.

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## University Awarded Health Service Grant

A five-year teaching and training grant, totaling more than a third of a million dollars, has been received to implement a cooperative doctoral degree program in speech pathology and audiology at the University and the University Medical School in Portland.

The money will come through a neurological and sensory disease service project grant from the Office of State Services of the U.S. Public Health Service.

## "All Time Record"

A sum of \$52,094 has been granted for the first year, beginning Sept. 1, and larger additional sums have been pledged for each of the next four years, providing sufficient funds are appropriated by the Congress. Total amount of funds granted and pledged is \$347,489.

Announcing the grant at his press conference Tuesday, Flemming said, "We hope this is the forerunner of many other cooperative ventures between the Eugene campus and the medical school." He said the grant was the result of considerable work on the school's part and is a "wonderful opportunity."

Flemming also noted "it is very clear we're going to set an all-time record" for grants received and expenditures for research this year.

## Lillywhite Director

He reported in a recent press conference the University had received \$2,800,000 in grants for the first six months of this year, while the total for all of last year was just over \$3 million.

Totals for up to the present

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MISS CAROLE MERRITT, field secretary for SNCC, spoke Tuesday on her experiences with Mississippi justice at an afternoon meeting and at the evening CORE chapter meeting.