

# University selected for physics seminar

The University has been selected as the site of X-82, a biennial international conference on X-ray and atomic inner-shell physics to be held Aug. 23-27, 1982.

Scientists from 36 countries, including large contingencies from the United States, West Germany and Japan, are expected to attend, according to Bernd Crasemann, physics professor and conference co-chairman.

X-ray physics "involves research having important, highly technical applications" to such problems as the development of heat-resistant metals for use on spacecraft like the space shuttle, Crasemann said. The research also deals with the development of an X-ray laser that could be used to make computer circuitry smaller.

"The production of computer circuits now depends on conventional photography," Crasemann said. "Using an X-ray laser would allow production of much smaller and faster circuits."

Atomic inner-shell physics concerns the actions of the very high-energy electrons that orbit closest to the nucleus of atoms,

he explained.

The University's selection as host for the event recognizes the quality of research underway here, said conference co-chairman R.D. Deslattes, a National Bureau of Standards physicist.

The conference organizing committee picked the University because of the "very good work" going on in the University physics department, he said.

The five-day event will include papers on such topics as the design of short-wavelength lasers and the X-ray diagnosis of plasmas used in controlled thermonuclear fusion. There will be general presentations each day, as well as smaller, specialized sessions.

The conference is sponsored by the International Union of Pure and Applied Physics and the American Physical Society in conjunction with the University.

Previous conferences were held in Scotland in 1980 and Japan in 1978.

Further information about the X-82 conference can be obtained from Crasemann at 686-4754.

# One killed, two injured in violent weekend storm

A 19-year-old University student was electrocuted Sunday morning in Portland after apparently stepping on a power line downed in a violent storm that swept the Pacific Northwest last weekend.

Marjorie Weisensee, an undeclared sophomore from Portland, and two companions apparently were getting out of her car at her Portland home shortly after midnight Saturday when the accident occurred.

Her companions, also University students, were burned in the electrocution and were taken to Portland's Emanuel Hospital.

On Tuesday, hospital personnel listed sophomore Kari Hartman, a 19-year-old pre-business administration major from Portland, in critical condition, and Karin Elstad, an 18-year-old undeclared sophomore, in serious condition. Both were scheduled for surgery Tuesday.

**THE LOUNGE** at the **EMERALD VALLEY FORREST INN**

## Entertainment Schedule

November 11th thru 28th

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Dec. 3, 4, 5, 10, 11, 12, 17, 18, 19

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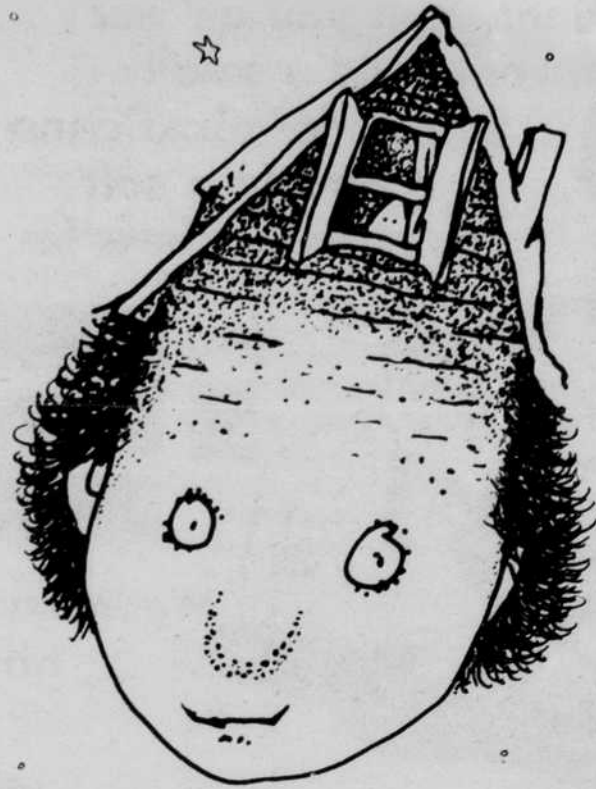
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**TOPIC:**

**BUDGET CUTS**

**TODAY  
3:30 p.m.  
150 GEOLOGY**

