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A guided tour

Fort Hays State University

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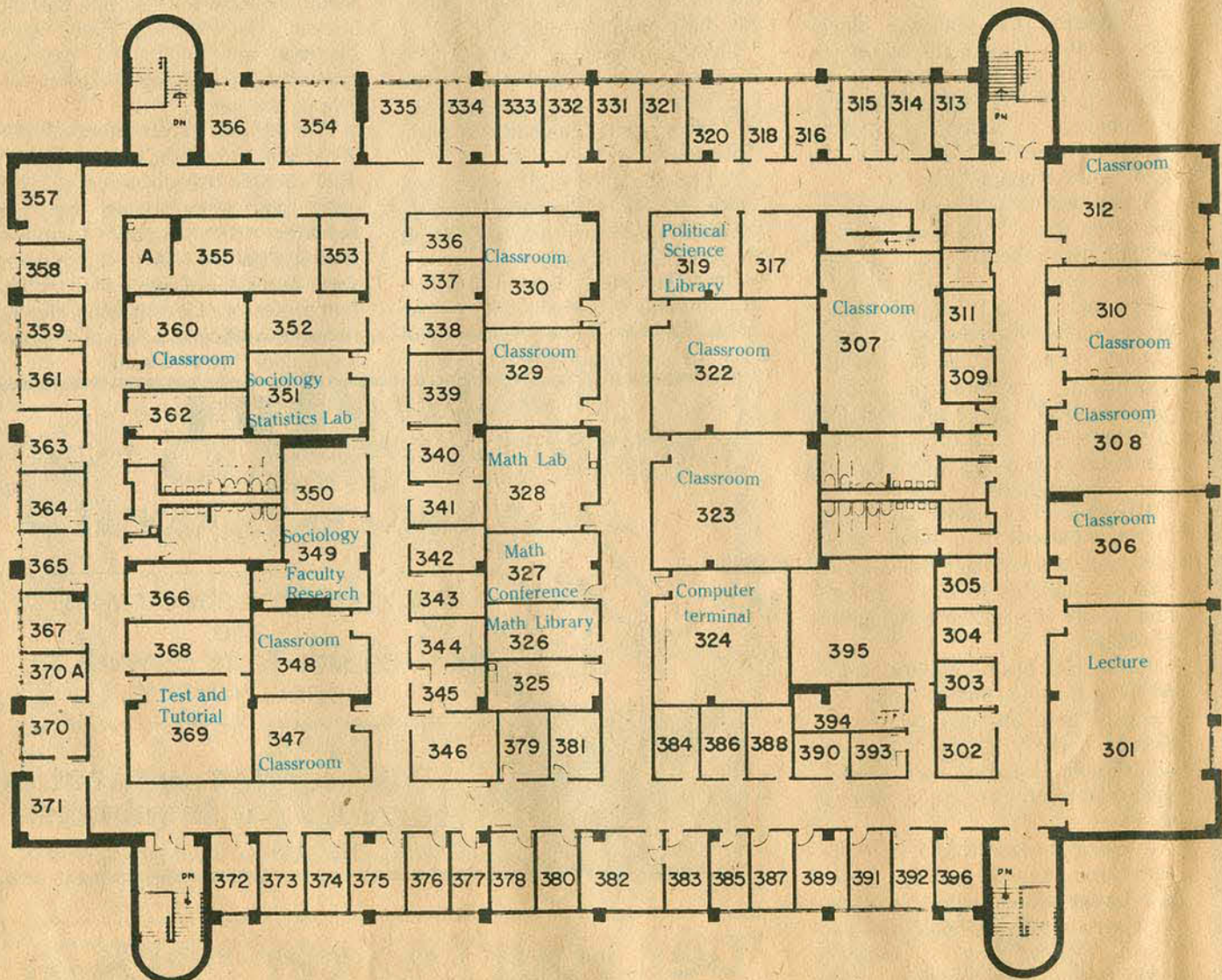
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Rarick Hall: A guided tour

Third Floor

•Twelve classrooms and faculty offices for English, foreign language, history, mathematics, philosophy, political science and Wichita State University's criminal justice are located here.



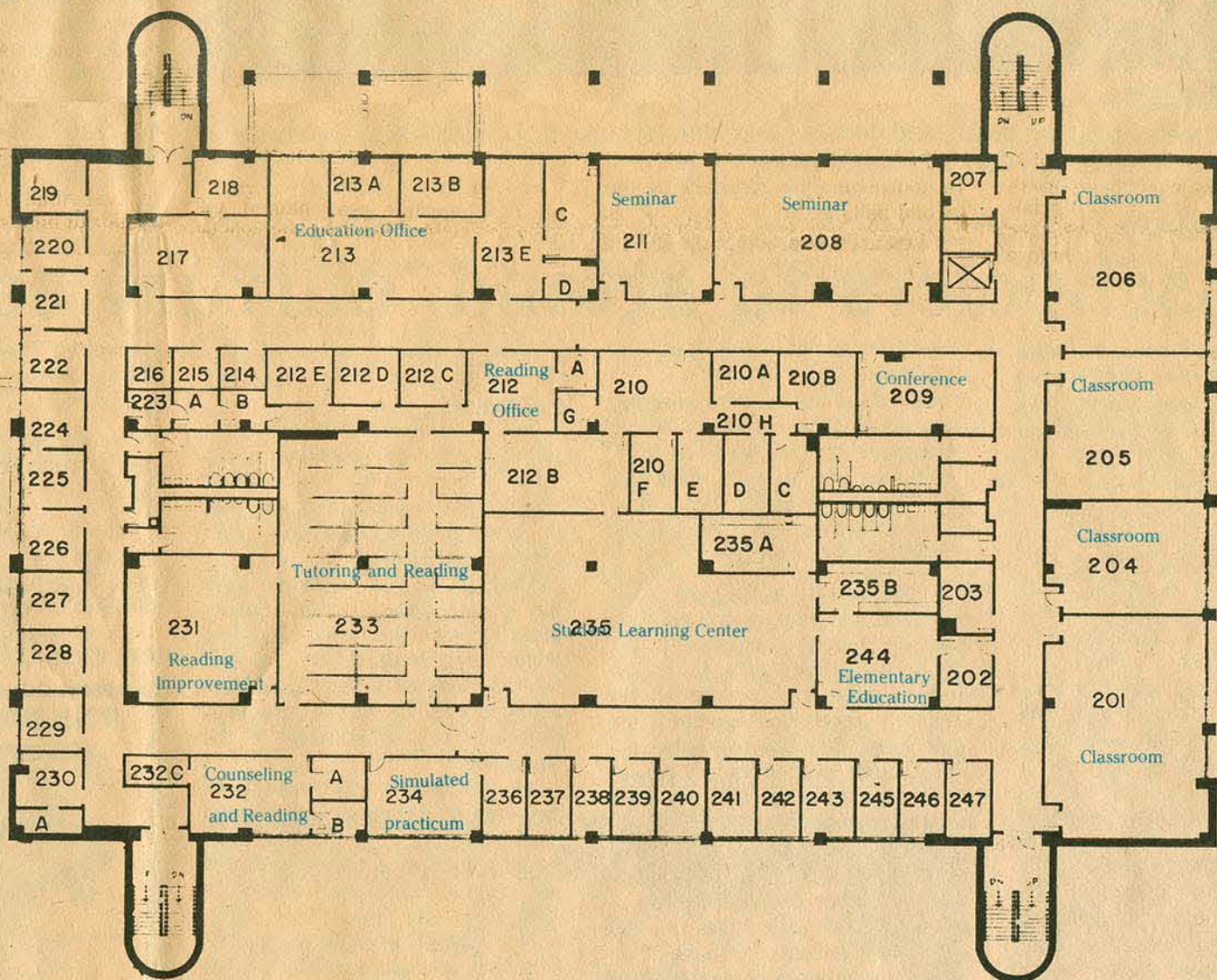
FOREIGN LANGUAGE	
Room No.	
301	Lecture
302	Jean Salien, Chairman
303	Foreign Language Office
304	Leona Pfeifer
305	Benito Carballo
306	Classroom
307	Classroom
308	Classroom
309	Roman Kuchar
310	Classroom
311	DeWayne Winterlin
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MATHEMATICS	
324	Computer terminal
325	Math Secretaries
326	Math Library
327	Math Conference
328	Math Lab
329	Classroom
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Second Floor

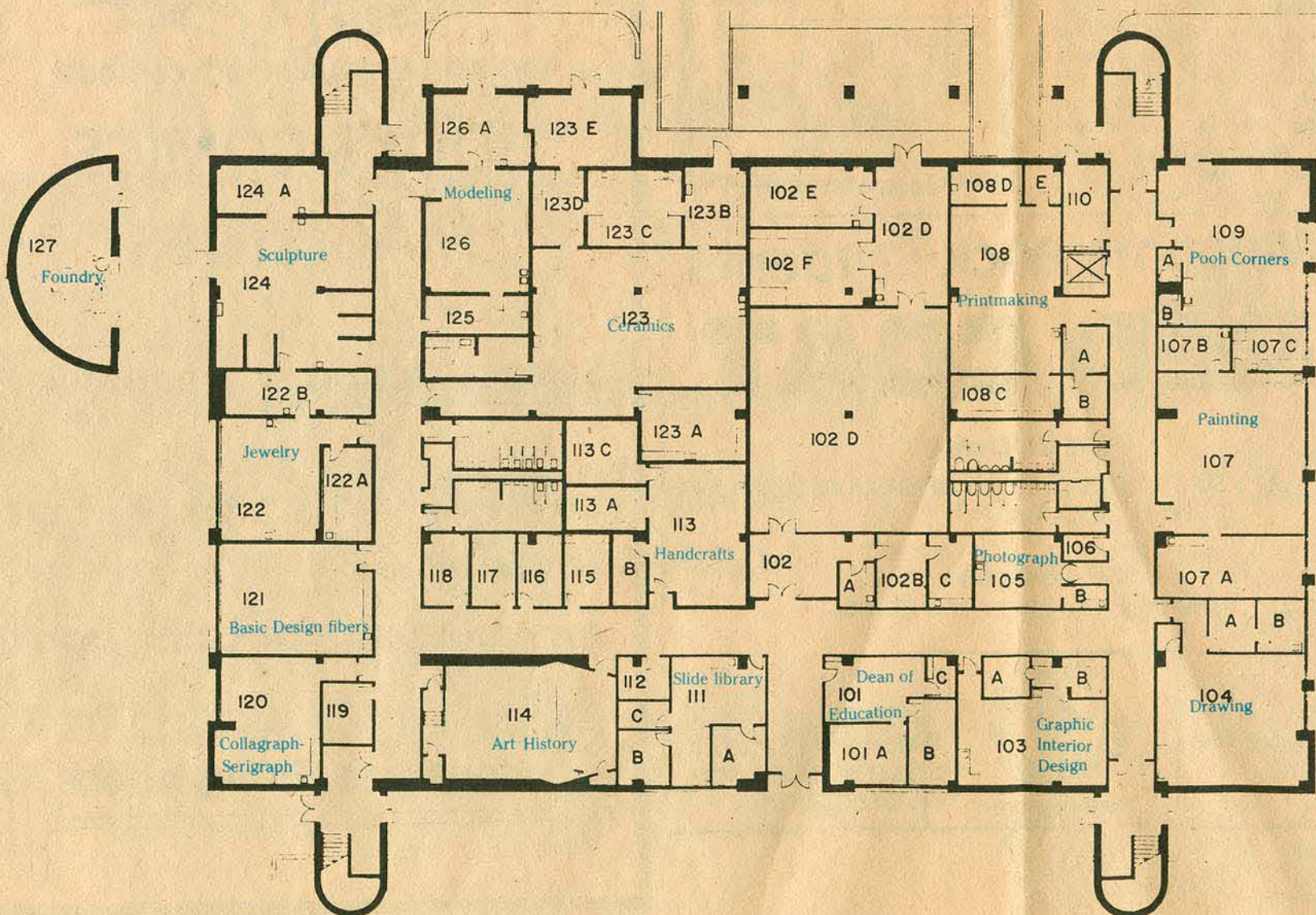
•Provides offices and classrooms for the education department; military science; counseling and guidance, for both education and the university; and eventually the curriculum center.

EDUCATION	
Rm No.	
201	Classroom
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First Floor

•Houses the art department, including a gallery which features movable walls and its own security system; the dean of education and the education department's Pooh Corners.



ART	
Room No.	
101	Dean of Education
102	Art Department
103	John Thorns, Chairman
104	Graphic Interior Design
105	Drawing
106	Photograph
107	Light Room
108	Painting
109	Printmaking
110	Francis Nichols
111	Pooh Corners
112	Custodial
113	Slide library
114	Art History
115	Art History
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200	Art History

Rarick Hall offers innovations, space

By Cindy Weaver
Feature Editor

A building of phenomenal dimensions, Rarick Hall, has opened its doors to eight departments and the School of Education.

Each floor contains 35,000 square feet and one floor alone is equal to all the square footage found in Picken Hall.

"Although nothing is perfect, Pierce-Schippers Construction Company has given us excellent workmanship," Brien Murray, director of physical plant and planning, said.

Rarick Hall is in compliance with handicapped regulations. It has an elevator and four handicapped parking places are located on the north side of the building.

Classroom sizes vary from 20 stations to two 132-stations and the conference rooms can be used for smaller groups such as graduate courses, Murray said.

The art department occupies the first floor with two exceptions, the dean of education's office and the education department's "Pooh Corners."

Separate rooms are available for each aspect of creativity, for

example, sculpture, jewelry and printmaking. The only tiered classroom in the building will be used primarily for art history.

A foundry for metal sculpture is located in the half-round at the northwest corner of the building. An overhead hoist will be used to bring sculptures into the classroom from the foundry.

The School of Education has a new home on the second floor of Rarick Hall.

A student learning center will be available to education students wishing to use teaching aids for

writing lesson plans. The table-filled, carpeted room with shelf-lined walls will contain material that is now found in the Curriculum Center in the Forsyth Library basement and Wiest Hall. However, the move from the library will not occur until the summer term, Murray said.

Counseling and guidance offices for education majors and all university students are across the hall from a room called Tutoring and Reading. It contains 24 individual tutoring carrels for teaching students how to tutor and for actual tutoring.

Three observation rooms are also found on the second floor. Each is actually two separate rooms divided in the center by a two-way mirror.

The third floor contains faculty offices and twelve classrooms for the English, foreign language, history, journalism, mathematics, philosophy, political science and sociology departments. Wichita State University's criminal justice office is also located there.

Mathematics students have access to a computer terminal room, although Murray said the facilities will be available to more students and faculty when other equipment is purchased.

Rarick Hall has several innovative features including built-in digital wall clocks. These are monitored by a master control, making only one adjustment necessary two times a year when the time changes, Murray said.

Fire and smoke detectors are present throughout the building. Should one be set off, the building's ventilation system will automatically shut down. The building is essentially divided into two parts by heavy doors, normally held open with electronic magnets. If a detector is activated, electricity is cut off to the magnets allowing the doors to close and containing smoke in one-half of the building.

Classrooms and buildings, in Picken Hall's case, will not stand vacant, Murray said. With time and money, more changes will be made.

Picken Hall will house all the administrative offices once it has been remodeled, including the Business Office, Registrar's Office and the president's office.

The Computing Center, in Sheridan Coliseum, will move to the first floor of Martin Allen Hall after the print shop currently located there moves to the Art Annex.

The Student Health office will move to the Memorial Union; however, that move is further down the road, Murray said.

Once Sheridan Coliseum is empty and funding is received for renovations, we hope to turn it into a performing arts center, Murray said.

When questioned about parking problems created with the opening of Rarick Hall, Murray referred to the proposal voted down by both Student Senate and Faculty Senate in 1979. Parking lot improvements must be financed by user fees, which would increase the cost of a parking sticker. So, Murray said, until students are willing to pay an increase, the parking situation will remain the same.

The athletic department is now located in the offices of Cunningham Hall vacated by education.

All comments heard by this reporter from faculty members during a guided tour of the building were favorable. Dave Adams, assistant professor of journalism, referred to his new office as a palace. "It even has a door," Adams said.



Touch of class

Japanese screens, hanging plants and curtains combine to make Alice McFarland, professor of English, look at home in her Rarick Hall 363 office.

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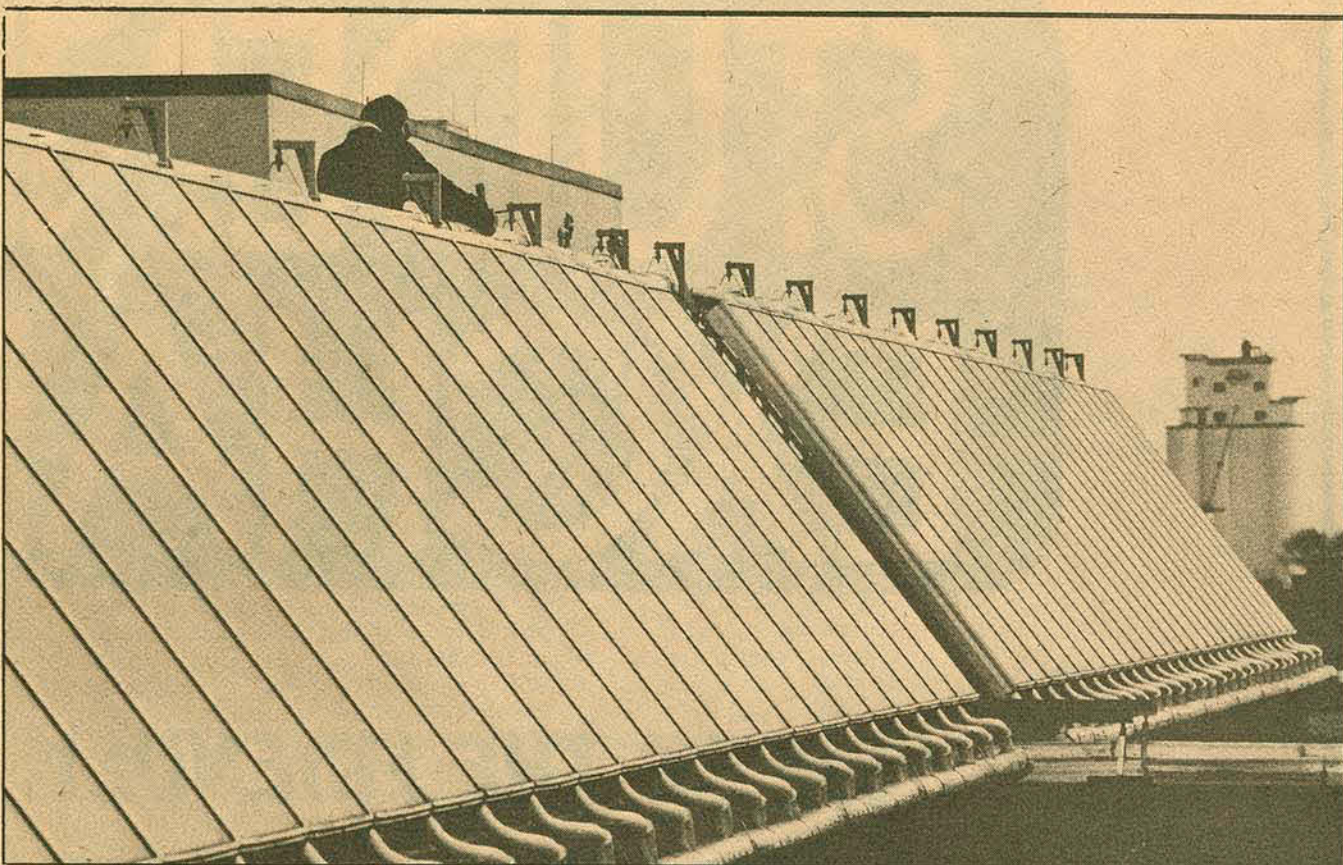
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OIL CHANGE SPECIAL





Solar Panelling

A worker for Pierce-Schippers Construction Co. puts the finishing touches on a solar-panel on top of Rarick Hall. The new building contains 286 of the solar panels.

Rarick Hall to utilize efficient energy conservation methods

By David Clouston
Senior Staff Writer

With energy-conscious universities always on the lookout for ways to cut their utility bills, the opening of Rarick Hall will feature systems designed to meet the need for energy efficiency.

Apart from being the first solar powered building on campus, new Rarick has a number of energy saving features that are not readily visible. These features combine to form the latest in conservation technology, Brien Murray, director of physical plant and planning, said.

Most of the energy features utilize improved technology to take advantage of energy sources in the building itself to help in its heating and cooling, Murray said.

A good example of this can be found in the new building's lighting system. Around each light fixture, in each room and in the hallways, is a space approximately a quarter of an inch wide. Heat given off from these fixtures is trapped in this space, collected in an air duct, and recirculated to be used in heating each floor's 35,000 square feet of space. In the summer, the process helps to cool the building by pumping the unnecessary heat outdoors.

Not only is heat from lights collected and reused, but the heat given off by the kiln used in the ceramic workshop is collected and used in the same manner.

The lights also save energy another way. Classrooms lights are on double switches. This means that the light in a particular room can be diminished by as much as one-third by using a single light. This increases the savings when only a little light is needed, such as when the room is being cleaned.

The centerpiece of the entire project, as might be expected, is the solar collection system. Technically, it is called a closed loop active system and has been 100 percent effective, Murray said.

The system, which cost \$283,000 to install, works this way: on the roof of the building are the solar collection panels. These panels are constructed of an aluminium casing, two layers of tempered glass, a copper absorber plate and a thick layer of insulation behind it all.

Along the top of these panels pipes carry a constantly circulating supply of solution made up of 50 percent ethylene glycol and 50 percent water. Ethylene glycol is a type of antifreeze.

When the sun strikes the panels, it heats the antifreeze. The heat given off by the liquid is then transferred through a plate exchanger to a water storage tank located in the basement. This hot water is circulated through conduction heaters to heat the building. The antifreeze is pumped back up to be used again.

Should the temperature of the antifreeze fall below that of the water in the tank, which could hap-

pen on a cloudy day or at night, the system is set up to use steam from the main steam plant to heat the water in the storage tank.

"We're still experimenting to see what the optimum temperature for the water should be," Murray said. "We started out at 140 degrees but we're trying different temperatures."

The whole system is carefully monitored. In addition, this monitoring process can be recorded and reviewed to give workers an idea how certain weather conditions affected the system.

Murray said he expects 65 percent of the building's total heat to be provided by solar power. "Our original estimate was that the system would pay for itself in twenty years. However, with the rise in heating costs, it could pay for itself in 16 or 18 years."

As for the cost of maintenance for the system, Murray said he was not sure how much that would be. "I wouldn't hazard a guess at this point," Murray said. "We hope the cost won't be high."

Another cost-cutting feature of Rarick Hall concerns its windows. Campus planners did not forget the great outdoors when the building was designed. They designed all the windows to be fully operable and added skylights to let in more light. "The reason for this," Murray said, "is because a large part of the year, the air outside is quite pleasant."

Open windows do not affect the function of the solar system, either. Since the system is divided so that it provides heat to six different areas separately, classrooms on the south can open their windows without it affecting the temperature of those classrooms on the north side.

**BACK-TO
SCHOOL**