

Geodesic Construction Will Include Three Technological Improvements

Three of the materials being tried in the experimental "Fuller project" geodesic construction at the University of Oregon school of architecture—Mylar "D", Epon adhesive 828, and Polyken 361—represent new technological advances, designer-engineer R. Buckminster Fuller, project supervisor, told a group of project participants today.

Furthermore, when the 36-foot diameter dome rises on the campus, at the corner of Franklin Blvd. and Onyx st., it will represent the world's first known trial of these materials in a structure capable of sheltering humans, Fuller said.

Mylar 'D' Developed

Mylar "D", developed by the DuPont experimental laboratories at Buffalo, N. Y., is a tough, durable, transparent polyester plastic film. Impermeable to a number of organic and inorganic gasses and

three-thousands of an inch thick, Mylar "D" will be used to skin the wood-ribbed structure.

Epon adhesives 828, an Epoxy cement developed by the Shell Chemical Corp., is being tried in bonding the Mylar "D" skin to wood structural members. Because of superior resistance to shearing stresses, it has replaced rivets in some instances of adhering metal to metal in the production of aircraft. Epoxy cement is used extensively in fuselage construction of Britain's new jet-powered De Havilland "Comet" transport.

Polyken 361, the first weather-resistant, high-tensile, non-staining tape, will be used to seal exposed joints in the structure. Developed by Bauer and Black of Chicago, a division of the Kendall Co., it is used extensively in sealing and reinforcing fibre packing crates.

These materials, Fuller told the group, could be of enormous significance to man. Used in conjunction with Dymaxion construction, they enable enclosure of large spaces by weather-proof, hurricane-proof structures one-fiftieth the weight of ordinary structures. The high per-pound performance demonstrates that man's resources can be utilized much more efficiently and effectively than they are generally today in building.

Conference Panel To Include Means

As a member of a panel considering "The Community of Faith and the Community of Learning," Paul Means, head of the department of religion, will participate in the sixth annual conference on Religion in Higher Education Friday and Saturday at Willamette university.

Guest speaker at the conference will be Alexander Mill, lecturer in religion at Stanford University. People who plan to attend the conference have been asked to contact Mary Elizabeth McDowell, president of the University Religious Directors association, for transportation arrangements and further information on the conference.

Atom Scientist Speaks

"Atomic Energy in Retrospect and Prospect" is the topic of a speech by atomic scientist R. L. Doan scheduled for Wednesday at 8 p.m. in Science 123.

Sponsored by Sigma XI, national science honorary, the lecture is open to the public. Doan is the manager of the Atomic Energy Division of the Phillips Petroleum company in Bartlesville, Okla., and now working on research at Arco, Ida., in the national reactor testing station.

Art Professor Obtains Certificate for Project

Mark R. Sponenburgh, assistant professor of art, who has been on leave of absence for two years, has completed his work for a certificate of special project from the Institute Superieur des Beaux in Cairo, Egypt.

"An Aesthetic Evaluation of Pharonic Statuary" was the topic for his thesis. The certificate is equivalent to a doctor's degree in this country. Sponenburgh will return to the University for the 1953 summer session.

Oval Helper Sought

Another track manager is needed, according to Coach Bill Bowerman. Besides earning a letter a student can get good experience and at the same time go with the team to all home and away meets.

YM Discussion Series to Begin

A small discussion group on the topic "This I Believe" at 7:30 p. m. Tuesday will start this week's YMCA activities. Featuring Roy McCall, head of the speech department, the group will be the first in a series of six.

The discussion groups are being purposely kept small, according to Russ Walker, YM executive secretary. Students who wish to attend should contact the YM office for further information.

Thursday, Donald DuShane, director of student affairs, will speak on women's house rules under the title "Standard—Double or Nothing." The meeting will start at 12:25 p.m., in the Student Union and is open to all men.

Dr. Luitpold Wallach, history professor, will lead the second in a series of inquiry groups on problems of religion. His topic will be "Why is there suffering in the world?" The group will meet at 7:30 p.m. in the SU.

3 Students Present Papers at Confab

Three Oregon students were among the thirty who presented papers at the Oregon Student Science conference Saturday at Linfield college.

The three were Dennis Barnum, senior, and Neil Fetter and W. D. Clark, both graduates. All three are chemistry majors.

The conference, including students and faculty members from most Oregon colleges and universities, was the eighteenth to be held in the state.

3 Oregon Students Given Fellowships

Three National Science Foundation fellowships have been awarded to Oregon students, according to R. T. Ellickson, head of the physics department.

Margery Gray, graduate in anthropology; Alfred Hu, graduate in biology, and Roy Peacock, graduate in physics, have received the awards. Approximately 500 fellowships are granted annually.

Miss Gray and Hu will remain at Oregon for their doctorates, Peacock plans to attend the University of Illinois, Ellickson said.

DOFFS TEACHING ROBES

Theater Head Returns After Advanced Work

Horace Robinson, head of the University theatre, is again on campus after doffing his teaching robes last term and assuming the role of a student at Stanford university for work on an advanced degree.

Prior to his term at Stanford, Robinson attended the American Educational Theatre association's convention in Cincinnati, Ohio, and was elected vice-president of that national organization. He has served on the advisory council and executive board of AETA as well as working on the membership, rights and royalties and architecture committees of the organization.

Robinson's job as vice-president carries with it the responsibility for planning the program for the next AETA convention in New

York the last week of December, 1953.

After attending the AETA convention, Robinson attended the Second National Theatre Assembly in Cincinnati as a delegate from the Northwest Drama conference. While there, he served as chairman of the steering committee.

Robinson has directed "The Happy Time," this year's first production of the University theater's 1952-53 season. He will direct the forthcoming production of "Brigadoon."

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Seventeen Seniors Given Scholarships

Seventeen seniors in business administration have been granted store service awards and scholarships from \$500 to \$1100 each for study at the Universities of New York and Pittsburgh.

Working toward their master's degree under these scholarships will be Ron Abrams, Herbert Cook, William Crow, John Gamiles, Jolene Gizadavich, Richard Haake, Leigh Hales, Tom Karren, Tom Lynch, Mike Lally, Bob Metz, Jim Owens, Ron Parelius, Jim Rippey, Raymond Swarhout, Ann Shidler and Don Zavin.

Part-time work in executive positions in New York and Pittsburgh stores is offered to all these seniors. Seventeen is the largest number of retail scholarships granted to University students in one year.



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