

Engineer Open House Display To Feature Solid Fuel Rocket

A two-stage fuel rocket will be one of the displays to be exhibited Thursday at the annual Engineer's Open House.

The College of Engineering and Architecture will put on the display for an expected 5,000 to 10,000 spectators from 2 p. m. to 10 p. m. High school science classes from throughout Nebraska are expected to attend.

24-Mile Range

The rocket carrying a transmitter in its nose and capable of traveling 25 miles into the atmosphere, was de-

signed by Leroy Krzycki of Columbus. Launching date for the rocket is set sometime this summer.

Both stages are fired electrically, the second stage about 3 seconds after the rocket leaves the ground and reaches an altitude of 2,000 feet. The transmitter, designed by Richard Eklund of Fremont, will transmit back to earth the temperature and altitude.

Dust Explosion

The mechanical engineering show of which the rocket is one part also will cause a

dust explosion to show the hazards of open motors or flames while working around dust-filled air.

Other displays include: Architecture — Nebraska architecture of the past, present and future, with a display of the future redevelopment of Lincoln.

Agricultural — a radio-controlled tractor and an 8,000 pound tractor cut lengthwise down the middle to expose the internal mechanism.

Civil—bar-joint construction such as is used in the Governor's mansion, models of the new interstate highway system and an explanation of Nebraska's sufficiency rating system for highways.

Electrical — high fidelity and stereophonic sound, operation of police radar system, a closed circuit television system and high frequency cooking.

Engineering mechanics — testing of model airplanes to show the theory of flight.

Chemical — development and production of rayon and a chemical oddities room for performing seemingly magical tricks.

Six buildings will be used to hold the displays. The public is asked to enter at 11th and R Sts.

College Rodeo To Be 'Roughest'

Ropin', Ridin' Planned

By Elvin Ranney

The Nebraska Collegiate Rodeo, scheduled "rain or shine" May 9 at the indoor Nebraska State Fair Coliseum, promises to be the largest and roughest rodeo ever spon-

sored by the University's Rodeo Association.

The performances, beginning at 1 p. m. and 8 p. m., mark the windup of Lincoln's Centennial celebration.

Cowboys Invited

Student cowboys and cowgirls from colleges throughout the state have been invited to compete. Girls' contests will include barrel racing, pole bending and goat tying. Cowboys' events are bareback and saddle bronc riding, calf roping, bulldogging and bull riding.

Between regular events, the traditional wild cow milking contest for men's organizations, and the coed calf catching contests will provide hilarious action.

Rodeo stock, fresh after a winter's rest on South Dakota's Rosebud Indian Reservation, should give the cowboys a handful and the spectators a thrilling performance. The stock is owned by Parmelee Saddle Club and managed by Joe Wahn, Parmelee, S. D.

Highlander Bulls

Notorious for rugged stock, the Parmelee string features Scottish Highlander bulls known for their long horns, long and shaggy hair and wild spinning performances during the bull riding event.

Trophy buckles, gift certificates, spurs and other prizes will be awarded event winners. Correspondence concerning the all-around championship award is underway.

Judges will be well-qualified. They are: Neil Samuels, current Rodeo Cowboys Association professional and former National Intercollegiate Rodeo Association competitor from Colorado A & M and Jim Svoboda of Burwell, Neb., a former University all-around champion cowboy, and current secretary of Nebraska Amateur Rodeo Association.

Warren Advises

R. B. Warren, assistant professor of animal husbandry, is advisor to the University's Rodeo Association, and will coach members for the rodeo. Warren is a former RCA professional and NIRA contestant from Kansas State University.

D. C. Clanton, assistant professor of animal husbandry, is co-advisor and assistant coach.

More than 1,200 tickets for the rodeo have been sold, according to George Gaylord, ticket sales manager.

Adult and children tickets are \$1 and 50 cents a performance, respectively, available at Lincoln Centennial Headquarters, 1329 N St.; Lawlor's, 1118 O St.; and the National Bank of Commerce.

Youngster To Reign At Rodeo

Little Miss Rodeo Centennial of Lincoln will reign at the Nebraska Collegiate Championship Rodeo May 9.

The contest for the title is open to young girls between the age of 3 to 6 who are the daughters of University faculty members and students.

Entries are due Tuesday and should be sent to Ethel Oeltjen, contest chairman, at 3420 Holdrege, phone 6-9946.

Interviews will be held Friday from 3-5 p. m. in Union Parlors BC. Four finalists will be chosen on the basis of poise and personality.

Judges for the event will be Viletta Leite, assistant professor of home economics; Diana Maxwell, Daily Nebraskan managing editor; and Roger Langenheim of the Lincoln Journal.

Ag Campus To Entertain Prep Boys

The second annual conference on "Science in Agriculture" is expected to draw approximately 400 Nebraska high school senior boys to the Ag College campus Thursday.

The boys will be given the chance to learn about professional opportunities in agriculture for persons interested in science, said Dr. Franklin Eldridge, associate director of resident instruction at the College.

Dr. H. B. Tukey, chairman of the department of horticulture at Michigan State University in East Lansing, Mich., will be the guest speaker. He will talk on "A Scientist Looks at Agriculture."

Members of the Block and Bridle Club will prepare a noon luncheon for the boys. Dr. Elvin Frolik, associate director of the Agricultural Experiment Station at the College, will preside at the luncheon.

The program will include a report on "Your Ag College" by members of Alpha Zeta, honorary fraternity and selections by the Ag College chorus under the direction of Mrs. Phyllis Weels, music instructor at the College.

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Honors Day to Fete 550; Dean Cleveland to Speak

Faculty Stipends Will Be Awarded

Approximately 550 members of the cream of the scholastic crop will be presented at the annual Honors Day ceremonies at the University Tuesday.

Boucher Award Winner: Just 8's and 9's For Scholar Hass

A University senior with an "unbelievable" average and a "love for books" will be honored Tuesday as the top student in his class.

Wilbur Hass will receive the C. W. Boucher Award in recognition of his 8.867 average for 3 1/2 years in the College of Arts and Sciences.

"Unbelievable" Registrar Floyd Hoover said. Hass's average is believed to be the highest average for a senior since the Boucher awards were originated in 1945.

Hass, a psychology major, has never received a grade below an eight. He has received 37 nines. Of the total of 40,500 individual grades the faculty gives out each semester, there are about 1,400 nines.

Hass's courses have included seven in psychology, six each in German, history and English, three each in mathematics and sociology as well as two each in Russian, biology and anthropology.

Averaging from two to three hours an evening studying, Hass also spends some daytime hours studying.

"Just because it's printed in

a textbook or spoken by a professor doesn't make it automatically a fact," he remarked. "I attempt to reason out each new idea placed before me. I think this has helped me."

Hass has been employed by the University library since he was a junior at Lincoln High school. Besides his daily studies, he takes advantage of his work by reading an average of two books and nine magazines a week.

Self-Financed With scholarships ranging from \$150 to \$350 each year, and school and summer employment, Hass has financed his own education.

The recent winner of a \$1,500 plus tuition Woodrow Wilson fellowship, he will continue his psychology studies at the University of Michigan.

He is a member of Phi Beta Kappa and Palladian Society. He and a University January graduate, Donna Stohs, plan to be married this summer.

A foreign affairs specialist, educator and administrator, Dean Harlan Cleveland of the Maxwell Graduate School at Syracuse University, will be the main speaker.

Two professors also will be honored at the ceremonies which begin at 10:15 a. m. in the Coliseum.

"Our Overseas Americans" will be the title of Dean Cleveland's speech. A Rhodes Scholar, he has made exten-

sive studies under a Carnegie grant in training of Americans for overseas work. His program will go into operation this summer at Maxwell.

He became a writer for the information division of Farm Security Administration in 1939. Other phases in his career include serving as acting vice president in charge of the economics section of Allied Commission in Rome; department chief of the mission of UNRRA Italian Mission in Rome; director of UNRRA China Office, Shanghai; director of China program of Economic Cooperation Administration in Washington, and assistant director for Europe, Mutual Security Agency.

Magazine Work

He was executive director of The Reporter magazine from 1949-51 and was publisher of the periodical during the following year.

Awarded the Medal of Freedom by the U. S. Army in 1946, he also has been presented with the Grand Knight Officer, Order of Crown of Italy, by the Italian government, and in 1948, the Gold Star in Order of Brilliant Star, by the Chinese Nationalists.

A. Stuart Hall, chairman of the economics department and of the Honors Convocation Committee, will preside at the convocation. Chancellor Clifford Hardin and John Selleck, president of University Foundation, will present the Distinguished Teaching Awards.

Chaplain, Music

Chaplain will be the Rt. Rev. Monsignor Charles Keenan, chaplain of Newman Center. The University Symphony Orchestra, directed by Prof. Emanuel Wishnow, will furnish the music.

Students being honored at the convocation include 71 seniors ranking in the upper three per cent of their class or who have appeared on the honors list since their freshman year.

More than 480 students will then be honored for ranking in the upper 10 per cent of their respective class.

Boucher Winners

Recipients of the C. W. Boucher Memorial Award also will be presented. This award goes to the senior with the highest scholastic average and to the senior athlete and senior ROTC cadet with the highest averages.

The University Foundation's Distinguished Teaching Awards will be presented to a faculty member in the humanities and social sciences, and to one in the physical and technological sciences. Each award included a \$1,000 stipend and a medal.

Sorenson Presented Air Trophy

Dr. Frank Sorenson of Teachers College has been awarded the W. A. Wheatley Trophy.

The University Aviation Association presented the award in cooperation with the World Congress of Flight meeting in Las Vegas.

Ray Mertes of United Air Lines, who presented the award, pointed out that Dr. Sorenson, who is chairman of the University's department of educational services, has worked continuously in aviation education development since 1940.

In 1946 Dr. Sorenson received the Brewer Aviation Award for his outstanding contribution to the national aviation education effort.

Last year the Nebraska Department of Aeronautics presented him the Flying Cornhusker Award and named him Dean of Nebraska Air Age Education.

The U. S. Air Force has twice cited Dr. Sorenson for his contribution to the understanding and development of airpower.

Dr. Sorenson is a member of the Air Training Command Advisory Board, the National Education Committee of Civil Air Patrol and is chairman of the Air Force Association Aerospace Education Council.

Rolls, Coffee Sales Boom After Air Alert Sounds

Friday morning's air raid alert provided a respite for students from part of their 10 o'clock's, booming business for campus coffee shops and probably a little consternation from Civil Defense authorities.

The sirens, which were scheduled to sound at 10:30 a. m., went off a few minutes late as students fidgeted and professors joked or went on with lectures.

One class in Burnett Hall jumped the gun as several men went out the first floor window.

Minutes after the buildings were cleared, cafes and the crib were bulging. Russ' Snack Bar was out of sweet rolls only minutes after the crowd moved in.

Result of the air raid test: probably not too encouraging in the eyes of CD authorities. Departures from some buildings were quite slow, it seems, since students attempting to pick up Daily Nebraskans from boxes near the doors worsened the congestion problem.

Kohlmeier Ag Work Honored

Ronald Kohlmeier, animal husbandry senior from Craig, received the Merit of Award honor Friday night at the annual Block and Bridle Banquet.

The award was given by the animal husbandry department to a student accomplishing superior work in that field and in scholarship, activities and personality.

Kohlmeier, a Phi Gamma Delta, has been the fraternity corresponding secretary, president and an IFC member. This year he was chosen the "outstanding senior" in the fraternity.

Livestock Judging Among his winnings with the University livestock judging team were being highest individual at the Midwest Judging Clinic, Manhattan, Kan., and sixth high at the International Livestock Exposition, Chicago.

Formerly the scribe and censor for Alpha Zeta honorary, his college record has been submitted for a National Alpha Zeta graduate scholarship. He is also a member of Gamma Sigma Delta and Sigma Psi honoraries.

The four-year honor roll student has received Ak-Sar-Ben, Rogers, and McKelvy scholarships at the University.

Scholarship He was valedictorian of his graduating class at Oakland High School and was awarded a Hado-Johnson trophy for seniors highest in scholarship, athletics and character.

His first year at the University in 1954 was in Business Administration. He received the "Gold Key" for high scholarship.

The Kohlmeier family lives on a dairy farm and have about 100 cattle. Says Ron of the dairy, "Sometimes it's almost a day and night operation."

As for the future, Kohlmeier intends a six-month tour of duty in the armed services, and then hopes to return to the University for graduate work in ruminant nutrition.

Exam File Among the suggestions turned in at the Student Council Library Poll was the following: An exam file for non-Greeks.

Cornhusker Positions Available

The Board of Student Publication will conduct interviews for Cornhusker staff positions, April 30, at 2 p. m., in the Faculty Lounge of the Union.

Any full time undergraduate student with a weighted average of at least 5 may apply for any of the ten positions open.

These positions and the monthly salaries that go with them are editor, \$85; two associate editors, \$50; four managing editors, \$40; business manager, \$85; two assistant managing editors, \$40.

Applications may be obtained from the School of Journalism office, 309 Burnett. April 24 at 5 p. m. is the deadline for submitting applications.

Sharon McDonald, this year's Cornhusker editor, said that forecasts for next year's book are being made by the old staff. "However, no final decisions will be made without suggestions from the new staff," she added.

Mothers Attend Union Bridge Party

Thirty-four house mothers attended the Union-sponsored House Mother's Bridge Party last week.

Mrs. Edna Burn, Terrace Hall house mother, and Mrs. Hird Stryker, Phi Kappa Psi house mother, tied for first place in bridge competition.

Other University students attending the Colorado meet were Jack Muck, Marty Sophir, Gary Cadwallader, Jack Nielsen, Bob Paine, Joe Kn' and Morris Beerbohm.

Big 8 IFC Picks Blair President

Bob Blair, University junior, has been elected president of the Big Eight Inter-Fraternity Council.

Blair was elected at the Big Eight Conference held Friday and Saturday in Boulder, Colo. All Big Eight Schools were represented.

Blair, Sigma Alpha Epsilon president, is in Business Administration. He is vice president of the University IFC, member of Student Council and Kappa Alpha Mu, photography honorary.

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Siple Describes the Antarctic 'Snow Moves Like Sand Dunes in the Desert'

By Larry Long and Mike Milroy

How much can a person find in nothing? Dr. Paul Siple asked the Nebraska Academy of Sciences Friday night.

Then he used colored slides to show what he had found in nothing—the Antarctic.

Dr. Siple is a scientific advisor to the Office of the Chief of Research and Development, U.S. Army, and an authority on climatology.

Snow Everywhere A sea of snow laid over sandstone mountains and the polar plateau—this is the Antarctic, he said.

The snow moves much as dunes of sand in a desert. In the summer the surface is smooth—a wonderful airstrip. The winter surface is rough with small waves of snow moving constantly.

The beads of color seeming,

to rise from the summer snow are optical illusions caused by the sun.

Natural Vapors Natural vapors accumulate on wires, snow and other objects. A running moving vehicle forms so much vapor that it looks as if it were on fire.

The United States Antarctic stations were built after the Soviet Union volunteered to set a station in the South Pole.

The American post cost approximately \$1 million per man for 18 men, or \$18 million.

A Nebraskan flag flies beside the United States flag at the Antarctic post. It was erected by Herbert Hanson, a Nebraskan and former University student.

Weather Instruments The station is supplied with weather instruments, to meas-

ure the sun's radiation, seismographs, antenna to send radio signals into the atmosphere to measure the ionization in the ionosphere.

A snow mine built 90 feet deep was used to study the history of accumulation of snow.

The doctor at the station had only one real disease to treat—a tropical disease. He spent much time experimenting with fungus growths.

American Flag The American flag is placed on the south pole—give or take a 100 feet. The pole moves during the year.

The cause of such movement gives way to much speculation.

The assumption that huge forces from the "outside" have been sufficient to move poles is not "unreasonable," Dr. Siple said.

"There is no such thing as

a great force which would pull the earth out of line," he commented.

Irregular Shape Because of the earth's irregular shape (it is an oblate sphere rather than a perfect sphere), a great movement of the axis would tend to throw the earth into such a furor of rotation that it would break up—or so Lord Kelvin postulated, the scientist added.