



Photo by Chuck Kurtzman
WORM'S EYE VIEW . . . Carillon Tower rings again.

AWS To Hold Dessert

The annual AWS Standards Week Dessert will be held Thursday at 7 p.m. in the Nebraska Union.

The dessert is for house-mothers, residence directors, AWS workers, representatives, board members and ad-

visors, and living units' standards board chairmen. It is designed to acquaint these persons with the goals of Standards Week, which is scheduled for next week.

Dean Virginia Trotter of the School of Home Economics will speak.



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Dr. Sarpkaya Addresses Experts

By Jan Itkin
Junior Staff Writer
Dr. Turgut Sarpkaya, Regents professor of engineering mechanics, was the first scientist to present three technical papers before the world meeting of fluid amplification specialists last week.

Sarpkaya addressed 550 experts from England, France, Switzerland, Canada, West Germany, Japan, South America and the United States who attended the International Meeting of Fluid Amplification Specialists in Washington, D.C.

The Material Command of the U.S. Army, which sponsored the conference, is engaged in governmental special research and invited government officials, scientists, and heads of certain large companies to hear the 36 papers that were presented by scientists from six countries.

Sarpkaya's papers dealt primarily with the theory and functioning of fluid amplifiers and vortex devices and were concerned with research projects he has worked on for

six years under the sponsorship of the U. S. Army Material Command.

Control Device
The first paper was concerned with a small control device he developed which will be used in spacecraft to help control the part of the craft and will not be effected by environment, heat, vibrations or radiation.

"It is more reliable than devices which employ moving parts," he explained, "because there is nothing that can wear out."

The amplifier channels fluid needed to "supply the brawn, not the brain" of a control system by applying a slight pressure from one side that directs a greater pressure to a more desirable place.

"It operates like a woman's perfume atomizer," Sarpkaya explained. He speculated that in the future it could be used to operate washing machines, typewriters, sewing machines and even cars.

The second paper complemented the first and explained how the fluid ampli-

fier Sarpkaya has developed could be used to provide a continuous alternating current that could be used to operate a sewing machine without the use of belts and rockets or a locomotive with the power coming from a small box rather than a large engine.

Major Project
The third paper, which concerns what Sarpkaya considers his major project, reports on a device which could sense the rotation of a vehicle in outer space and control the rotation with help of vortex motion.

"A vortex is like the swirling of fluid in a bath tub," Sarpkaya explained.

After the device had sensed the rotation, Sarpkaya continued, it would exert a pressure necessary to equalize the pressure in the center of the spin and stop the whirling. Such an accomplishment would help space vehicles remain on course.

Sarpkaya said he derives ideas for his projects "from watching things—fire, smoke, flowing water. It comes from

an awareness of fluids. Then the mind combines ideas, and a concept just occurs to you. It is important not to regard it (the concept) as silly, but to try it out."

"Without the hope of students in taking data, no univer-

ersity could engage in research," Sarpkaya said. "For instance, I could not have tried out the ideas without the help of my graduate students - Alan Hurd, Adolph Saitko, Ganars Iesalnieks and Howard Spidle."



Photo by Tom Rubin
DR. TURGUT SARPKAYA . . . First to present three papers.

Debaters Win Five Trophies

The University debate squad, consisting of eight teams, won a total of 30 out of 34 debates at two intercollegiate tournaments.

Among the thirty schools

attending the University of Omaha tournament, the University won five trophies.

Jeri Adams, Nancy Coufal, Douglas Kluender, and David Erbach, beginning debaters,

were the only undefeated teams in the Junior Division, winning first place.

Miss Coufal also won first place among those participating in women's extemporaneous speaking.

Terry Hall, Allen Larson, John Drowd, and Byron Lee, also in the Junior Division, won seven debates and lost one to tie for second place.

In the Senior Division Richard Sherman and Randy Prier lost only their last debate, thereby winning second place. With a record of four wins and one loss, George Duranske and John Peak tied for fourth place in the Senior Division.

Dr. John Petelle and Dr. Donald Olson, University debate coaches, were awarded a desk clock for coaching the most outstanding squad at the tournament.

At Kansas State University another group of beginners entered a novice tournament, winning seven debates and losing one. This was the best record among schools who had entered only two teams, according to Olson.

Vernon Jewett and Andis Kaulins, one of the five undefeated teams, were awarded third place on points. Bernice Myers and Dennis Schrauger won three debates and lost one.

"Considering that in the eight teams there is only one senior and one junior and the rest are sophomores and freshmen, this is an excellent record," Olson said.

October Edition Of Scrip On Sale

The first issue of Scrip Magazine with the "eerie theme of October" is on sale in the Nebraska Union until Thursday for 25 cents.

The magazine is a literary publication which includes 18 poetry selections, two short stories and an essay all written by students at the University.

In an introduction to this first issue an editorial comment says, "We are a forum for undergraduate literary thought and creativity. Thus, we want to hear from anyone connected with this atmosphere."

The editorial comment also explains that in future issues they want more material such as social satire and short serious essays.

Steve Abbot, Scrip's editor, said that after this week copies would be sold in the book stores and that the next issue of the magazine would be distributed late this month.

Abbot also pointed out that staff members, including a business manager, are still needed on the Scrip staff.

LITTLE MAN ON CAMPUS



Pershing Rifles Pick 'Sponsor' Candidates

Pershing Rifles, Company A-2, has chosen eight contestants for their group's sponsor. They are: Lynn Broyhill, Pi Beta Phi; Linda Chatfield, Pi Beta Phi; Susan Highland, Delta Gamma; Joyce Martin, Phi Mu; Francee Ogden, Pi Beta Phi; Sherene Rash, Pi Beta Phi; Sharon Schmeekle, Zeta Tau Alpha; and Chris Schwartz, Pound Hall.

The sponsor, who has the rank of Honorary Captain, attends all Pershing Rifles functions. The Company sponsor has traditionally been a member of Cadence Countesses.

Seniors May Receive Commission From OCS

Senior men who have not taken ROTC may receive an Army commission through Officer Candidate School (OCS), according to the Department of the Army.

Under this program, eligible college seniors may apply for the OCS enlistment option at any time during their senior year, with the option to be exercised upon graduation. The applicant will then go to OCS after completion of an eight-week basic training course.

Further details may be received at the Army ROTC office, room 110 of the Military and Naval Science Building.

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