

'Teaching Machines' Becoming Educational Reality

By Eleanor Billings
Teaching machines ... a thing of the future?

Auto-instructional programming, a teaching concept of the future, is fast becoming a valuable technique in research and development as well as teaching.

Dr. Wesley C. Meierhenry, coordinator of the Teacher Placement Division at the University, is among those pioneering in this program of the future.

Under the sponsorship of the United States Office of Education, Dr. Meierhenry worked with Dr. Arthur Lumsdaine in preparing an experimental six weeks high school physics course in auto-instructional form.

Accomplishments
Research already accomplished indicated what can

be done with the "teaching machines."

Dr. Meierhenry and Dr. Lumsdaine developed an auto-instructional system for use as a supplement to an otherwise complete program of instruction in high school physics.

The program was found to add significantly to student achievement and there was evidence that auto-instructional programs may be relied on to provide instruction, in physics at least, independent of classroom lectures and recitation.

Basically, the auto-instructional method facilitates the orderly and controlled development of an individual's skill in much the same way as a good tutor might do. Lessons are presented in small, carefully

sequenced steps; and difficult skills can be developed by progressing gradually from very simple to very complex concepts.

The student is shown material in the form of a small step containing one or two sentences which requires him to respond with answers in the space provided while he reads through the material. The student writes his answers on a strip of paper when the auto-instructional device, or "teaching machine" is used.

Correctness of the student's answers is checked by means of immediate confirmation of correct responses

and correction of wrong answers. The "teaching machine" also allows for the evaluation and improvement of the materials during the course of their development in that the more difficult steps may be modified when necessary.

Psych, Logic
Other areas in which the "teaching machines" have been used are an introductory psychology course at Harvard University, a program prepared by Teaching Machines, Incorporated to teach descriptive and inferential statistics at the college level, and a pro-

gram to teach logic to children at the grade school level. Industrial organizations have also begun to experiment with auto-instructional materials for their technical training programs. The "teaching machines" have proved useful in teaching the operation and maintenance of equipment as well as the programming of giant computers.

Plans for the future include teaching skills of very high order via the "teaching machines."

Investigation is being carried out on methods for teaching art judgment. The

program being prepared will include some study of art history and principles, but will attempt as its major objective development of a feeling of appreciation for art and the ability to distinguish between art which is good and that which is not.

Attempts are also being made to develop a program to provide laboratory instruction in electronics which will involve the use of actual laboratory equipment and a program to install in students the insight necessary to solve geometric theorems which they have never before seen.

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—Montgomery Speaker— NU Grad Returns As Lecturer

By Nancy Whitford
A native Lincolnite, Dr. Loren Eiseley, will return to the University campus to deliver the annual Montgomery Lecture — a series of topics on Francis Bacon.

Eiseley, a well-known author of scientific books, received his bachelor of arts degree in 1933 and an honorary doctor of letters degree in 1960, both from the University. He is currently serving as provost of the University of Pennsylvania.

He will speak at 4 p.m. Monday, March 20, on "Francis Bacon as an Educator," and at 4 p.m. Wednesday, March 22, on "Francis Bacon as a Scientist." Both lectures will be held at Love Library auditorium.

"Recognized for his distinguished career in anthropology, Dr. Eiseley had his first contact with nature through the salt flats and ponds around Lincoln and through the mammoth bones housed in an old red brick building on the University campus. He collected pond life for a home-made aquarium, snared snakes and turtles and set up his own museum of bake clay bones and skulls.

His book "Darwin's Century," won an award as the best non-fiction book from the Athenaeum Society of Philadelphia in 1959 and the Phi Beta Kappa Science Prize for the best book in science in 1958.

More than 30 articles have been written by him and published in magazines ranging from Harpers to Bibliography of American Philosophical Society Proceedings.

His first literary success was as one of the editors of Prairie Schooner, which his college literary fraternity, Sigma Upsilon, founded on the University campus.

Past Ag Worker, K. C. Fouts, Dies

Kenneth C. Fouts, 68, a veteran of 38 years service in Nebraska Agricultural Extension Service, died late Friday afternoon.

The well known Ag worker, who retired in 1957, lived at 1315 North 43rd.

Entering the agricultural field in 1919 as a county agent in Cuming County, he later held a similar position in York County for one year. In 1927 he was named Seward County agent, a position he held until joining the extension staff in Lincoln in 1946 as an animal husbandman.

A 1915 graduate of the University, he lettered in football and later taught and coached at Elk Point, S.D., prior to serving in World War I. He was a native of Diller.

Voc-Ed Honorary Initiates 10 Members

The University's Beta Chapter of Alpha Tau Alpha, national vocational education honorary, has initiated 10 new members.

They include sophomores Dale Pohlmann and Gary Vogt and juniors Robert Ambrosek, Richard Bringelson, Richard Greenhalgh, Leon Janovy and Dale Zikmund.

Also initiated were seniors Richard Kealy and graduate Gayle Kapstick and Richard Mills.



DR. LOREN EISELEY

Law Seniors Win Moot Court Finals

Zuber, Krantz Oust
Van Pelt, Sluyter

Robert Zuber and Sheldon Krantz won the final round of the Law College Moot Court competition presented before Justices of the State Supreme Court Friday.

The Senior team defeated juniors Samuel Van Pelt and Ronald Sluyter.

Zuber and Krantz acted as counsel for the appellant-plaintiff in a complex hypothetical civil case appealed from a state district court. The case involved questions of civil rights, "charitable immunity" doctrine under which non-profit tax-exempt organizations are not liable for damages arising from negligence, validity of a statute relieving doctors of liability of negligence at a car accident scene and inferences from facts given in the lower court jury.

The case was argued before State Supreme Court justices Edward Carter, Fred Messmore and Leslie Boslaugh.

The two final teams which competed had survived preliminary rounds that began in the fall of 1959. They were among eight teams chosen from the 1960 spring quarter-final rounds. They were winning competitors in the semi-final round in the fall and met for the final time Friday.

The competition is known as the Thomas Stinson Allen Moot Court competition in honor of the first law school graduate.

The program is designed to help law students develop research ability and practical experience in writing briefs and presenting oral arguments similar to the problems the students will encounter in actual law practice.

Today on Campus

Nebraska chapter, American Association of University Professors (A.A.U.P.), Professor Jasper Shannon speaker, 6:30 p.m., Pan American room Student Union.

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'Protege' Program Initiated

By Cloyd Clark
Twenty-seven University senior men have been selected to be matched with 27 Lincoln businessmen in a unique program of acquaintance with civic and professional responsibility.

The program, sponsored by the Innocents Society, will team the young men, known as Cornhusker Proteges, with Lincoln leaders in business and professional fields for a semester.

Each businessman will acquaint his "protege" with the physical plant of his business and orient him in regard to its functions, and in regard to the businessman's professional and civic activities.

Dave McConahay, president of Innocents Society, said, "It is expected that a close relationship will exist between the sponsor and his protege so that the students can receive advice from the businessman on many matters."

He said that the students will be selected each year from the senior ranks of the student body by the preceding members of the Cornhusker Proteges. The Proteges

—Jan Jeffery, Bringelson Represent NU— University Students Plan Work in Mexico, Liberia

Two University students, Jan Jeffery and Richard Bringelson, will spend this summer in foreign nations.

Jan Jeffery will spend two months in Mexico working in a rural project. Her project is "Community Service in Latin America sponsored by the American Friends Service committee."

For approximately one month Bringelson will be in Sinoe, Liberia. He said that it will be a manual labor situation. The group will be working on a recreation camp with 15 Liberian students.

"I am very happy to have been chosen to go," said Bringelson. I applied with the idea in mind that I would be going. I think that as an American youth it is our job to promote personal American understanding."

Bringelson is a junior at the University and president of the Ag YMCA. He is also district YM-YWCA treasurer and a member of the area YM-YWCA student executive council.

These two programs in which the University students will participate have been operating for several years and are closely related to the type of program now being advocated by President John Kennedy in his "Peace Corps" program.

Correction
The balance of the Interfraternity Council's treasury after completion of the proposed expansion of the IFC office was incorrectly listed as \$35,000 in Friday's Daily Nebraskan.

The correct estimate for next summer's balance if the project is done this spring is \$3,500, according to IFC treasurer Dave Sundberg.

Orientation
The group of 15 students from all parts of the United States will meet for four days in New York City for orientation purposes prior to sailing.

While the students are at sea, they will hold a seminar and obtain more orientation. A period of two weeks will be spent in European YMCA camps before going to Liberia.

Annual Psych Symposium Scheduled
Three nationally known psychologists will participate in the first section of the ninth annual psychology symposium to be held at the University Thursday and Friday.

The general topic is "Current Theory and Research in Motivation." The speakers are Dr. John L. Falk, department of nutrition, Harvard University's School of Public Health; Dr. Philip Teitelbaum, University of Pennsylvania's department of psychology; and Dr. Carl Pfaffmann of Brown University's department of psychology.

Sponsored by the University's department of psychology through a grant from the U.S. Public Health Service, the symposium has gained national prominence and each year attracts psychologists from various areas of the United States.

The program for the week to be held in the Student Union auditorium includes:

Thursday at 9:30 a.m., "Behavioral Contingencies Related to Motivational Factors in Hunger and Thirst," by Dr. Falk; and at 1:30 p.m., "Disturbances in Feeding and Drinking Behavior after Hypothalamic Damage," by Dr. Teitelbaum.

Friday at 9:30 a.m., "The Pleasures of Sensation," by Dr. Pfaffmann; and at 2 p.m., roundtable discussion.

Financial, Scholastic Aids Office Moves
The office of Financial and Scholastic aids has been moved from the Student Affairs office to 111 Administration Building.

Recognition Certificates
Certificates like the one above will be presented to downtown stores by Kosmet Klub for their outstanding support of the University. Lincoln merchants have long been supporters of campus organizations by means of financial or advertising patronage. Kosmet Klub originated the idea due to the outstanding support given the Klub in past years.



Five Wilson Fellowships Announced
Five University students have been selected as recipients of Woodrow Wilson National Fellowships.

The Fellowships will finance first year graduate study and are designed to encourage the newly elected Fellows to consider college teaching as a possible career.

Fellowship recipients are Elizabeth Blore, who will study Spanish at the University of Wisconsin; William Carlson, who will study English at Cornell University; Jeanne Inness, who will also study English at Cornell; Harvey Nelson, who will study philosophy at Columbia University; and Norman Shaffer who will study history at Stanford University.

These five students were selected from among 1,333 students from 361 colleges.

In addition six other University students received honorable mention. On the basis of past experience honorable mention will receive alternate awards either directly from universities or from other organizations.

The University's honorable mention are Sonia Anderson, Douglas Bereuter, John Elise, Lane Isaacson, Robert Stine, and William White.

UNIVERSITY THEATRE PRESENTS— LADY OF ETHERNAL SPRINGTIME

March 15, 16, 17, 18 Reservations: HE 2-7631 Ext. 3263