

NU Research May Lead To Human Stress Test

After more than a year's research with cells from a mouse and serum from chicken blood, a team of University medical scientists has obtained evidence which may lead to the first simple test for detecting emotional and physical stress in humans, said Dr. Kenneth D. Rose.

Such a test has long been sought according to Dr. Rose, research chief of the University's Health Service who conducted the research.

Other members of the research team are Dr. Samuel I. Fuenning, director of the University Health Services, originator of the project; Dr. Donald M. Pace, director of the University's Institute for Cellular Research; and research assistant Richard Maca, a pre-medical student.

The doctors recognize the wear and tear resulting from today's faster living pace is an important and baffling factor in most mental and physical illnesses including the nation's number one killer—coronary disease. So far, the presence of stress has eluded simple and accurate detection.

Transplanting

The University researchers found that animal cells transplanted for test purposes into special flasks will develop mysterious fat-like particles when grown in blood serum

Council Asks 'Noon Class' Investigation

A resolution suggesting the investigation of the possibility of better utilizing the classroom space and the noon hour for classes was accepted by the Student Council Wednesday.

The resolution was presented by council members George Moyer and Don Witt and amended by Chip Kuklin. In final form the resolution stated:

"The Council respectfully suggests to the University registrar that an investigation be undertaken to determine the possibility of holding classes through the noon hour or scheduling classes on the half hour inasmuch as better use could be made of otherwise vacant classroom space.

"The Union food service would be better able to serve students if the peak load on food service were better distributed and it would consolidate the time which students must spend in class.

"The Council feels that the benefits of a staggered noon class scheduling procedure might be desirable. Along these same lines, perhaps the greater use of one and a half hour classes on Tuesday-Thursday could be made to eliminate the generally disliked Tuesday-Thursday-Saturday classes."

Moyer suggested that a system of scheduling classes on the half hour would help to alleviate the problem of idle classrooms and increase the classroom efficiency of the University in future years.

Council members pointed out that scheduling on the half-hour was becoming the trend in universities and colleges in the U.S.

taken from chickens subjected to stress.

Test cells grown in serum from chickens living under normal conditions develop no particles. Furthermore, the researchers found if they removed the stress from chickens, the cellular particles would not form.

Cells used in the experiments came from mouse tissue selected for its sensitivity. The cells are similar to the type which compose human arteries.

The chickens were stressed by subjecting them to above-normal temperatures and also by overcrowding in pens. Each type of stress produced the fatty cellular particles.

Nature of Particles

After the first discovery the team is continuing experiments to determine the nature of the fatty particles. Also under way are tests designed to isolate the unknown substance which stress produces in the blood and which causes formation of the cellular fat.

Of importance the scientists have found that the amount of fat normally in the chicken's blood does not vary greatly when stress is applied. Dr. Rose said the fat particles developed in the cells before any fat increase occurred in the blood.

If the fat level had risen, the scientists could have assumed logically that the fatty particles in the cells resulted merely from more fat in the blood. Since no consistent increase occurred, the development of the particles seems independent of the amount of fat in the blood, Dr. Rose said.

"This finding could mean that stress, rather than the amount of fatty food you eat, is the predominating factor governing your chances of

Journalism Grad Edits Magazine

A University graduate in agricultural journalism has been named editor of the Turkey World, a national turkey industry magazine.

Walter Patterson, who graduated from the University in 1959, has been with the magazine's staff for less than a year. Turkey World is published by the Watt Publishing Company of Mount Morris, Ill.

Patterson was one of several students selected from colleges throughout the nation to work as a summer trainee in the Office of Information in the U.S. Department of Agriculture, Washington, D.C. He also worked in the Department of Information on Ag campus while attending the College of Agriculture.

Sundheim to Discuss Molten Salts Monday

"Transference Numbers in Molten Salts" will be discussed today by Dr. Benson R. Sundheim, associate professor of chemistry at New York University, at a meeting of the American Chemical Society in Avery Laboratory.

Dr. Sundheim is contributing editor of a recent monograph on molten salts published by the New York Academy of Sciences.

escaping America's number one killer—coronary artery disease," said Dr. Rose. "However, more extensive investigation is needed to definitely substantiate this point."

Deposits of Fat

The current popular belief, subscribed to by many doctors, is that a primary cause of heart disease is a high-fat diet. The basis for most coronary disease is the narrowing of arteries caused by deposits of fat within their walls. These deposits either block the flow of blood entirely or severely restrict it, thus damaging the heart or the brain, said Dr. Rose.

What has not been pinpointed before, he said, is the source of fat. Many doctors claim it comes from a fatty diet which, they say, increases the amount of fat in the blood which in turn deposits it in the artery.

Because the University doctors found that fat develops within the cell before fat content of the blood increases, they believe the source of the fat is certain cells within the artery wall and that the fat is created within these cells by stress.

From these cells, the researchers believe, the fat finds its way into the blood, thus accounting for the high fat content—especially large amounts of cholesterol—found in the blood of most patients with heart disease.

Dr. Rose said they found the test cells grown in blood from stressed chickens developed cholesterol at a greater rate than cells grown in serum from normal chickens.

Theta Sig 'Cub' Tea

Theta Sigma Phi, women's professional journalism honorary, will hold a "Cub" tea Wednesday from 4-5 p.m. in the Daily Nebraskan office. The tea is intended to acquaint the present members of Theta Sig with freshmen and sophomore women interested in journalism.

'Scholarships in Music' Contest Begins April 15

F. E. Olds & Son announces its fourth annual "Scholarships in Music" contest will be open for entries from April 15 to June 15, 1961.

The contest is open to all juniors, seniors and graduate students in accredited schools or departments of music at the college level. The scholarships are awarded for theses, term papers or articles completed during the current academic year judged to show the greatest evidence of original thinking, sound research and intelligent objectives, or any subject related to instrumental music.

The first scholarship awarded is \$500, the second \$350, and the third \$200. These amounts will be paid on request to any accredited music school or college with accredited music departments against tuition cost of further study.

If a graduate winner has received his advanced degree between the date of his con-

LITTLE MAN ON CAMPUS



AS AN ITEM FOR OUR STUDENT PRESS—WHAT'S YOUR ENGINEERS' OPINION OF THE EARLY CLOSING HOURS FOR WOMEN?

Ag College Incubators Home of 6,700 Eggs

In a post-Easter egg collection, some 6,700 eggs consigned by growers from several states and two Canadian provinces are being incubated in the seventh Nebraska Random-Sample Test.

John Skinner, Extension poultryman at the College of

Agriculture, said eggs have been collected from states ranging from Massachusetts to California and Wisconsin to Texas.

According to Skinner, statistics will be kept on each egg, beginning with the number broken in shipment and continuing through the rearing of each bird, until it is marketed.

The poult will hatch about May 1, and will be reared under close surveillance, said Skinner.

Hens will be marketed at 22 weeks and toms at 26 weeks of age. To further expand the information gathered from this test, the white turkeys will be reared separately from bronze birds, a departure from practice of past years, Skinner noted.

Statistics and information compiled during the Nebraska test, which is one of eight conducted in the U.S., will be tabulated on IBM cards and sent to the U.S. Department of Agriculture.

USDA will then integrate the data with those of the other seven nationally recognized tests and the results will be distributed to the turkey industry, explained the University Extensionist.

Vital statistics include mortality rates, rates of gain, body measurements, dressing percentage and the number of market grades and market-rejected birds in the various strains included in the test.

Block, Bridle Club Initiates 14 Members

At a recent meeting the Block and Bridle club initiated 14 members and also made plans for the livestock judging contest to be held Saturday.

The new initiates are David Zimmer, Lane McClure, Ronald Christenson, Doug Dunn, Tom Lewis, Keith Carlson, Donald Lydic, Lynn McCall, Delmer Lange, David Howe, Michael Harding, Ronald Cool, Bruce Cheney and Myron Carlson.

Dilliard: 'Abandon Trivia, Tell Public 'Why' of News'

Newspapers were charged with the ultimatum to abandon "trivia" and resort to "depth reporting" and telling the public the "why" of news by Irving Dilliard Friday evening at the Sigma Delta Chi banquet.

The former editorial page editor of the St. Louis Post-Dispatch highlighted the men's journalism society program with his speech, "Public Information, How Public and How Informing."

Also on the program were E. W. Scripps II, vice president of Scripps-Howard Newspapers and national president of Sigma Delta Chi and Warren Agee, executive officer of the society.

All three were commissioned Admirals in the Great Nebraska Navy by John Kelly, assistant to Gov. Frank Morrison.

Dilliard's speech paralleled one given Thursday night at the Phi Beta Kappa banquet, "Are We Undermining Our Bill of Rights."

Our Children's World "We didn't make the world we live in, but we are making the world of our children," the noted authority and author on the U.S. Supreme court warned as he criticized newspaper's neglect of the individual citizen.

To illustrate his argument, Dilliard cited several instances where little men in the country had been stamped on by the government and the papers had not publicized the fact.

One case involved the deportation of a Finnish house painter from Portland, Oregon, who had lived in this country since he was eight months old.

The reason for his deportation involved his attendance at a socialist meeting in the thirties in search of a job.

Fifth Amendment Changing the "fifth amendment" from a symbol of protection of the person against double jeopardy, property confiscation and self incrimination to a word synonymous with Communism, was an-

other place where Dilliard thought the newspapers had fallen down.

"Freedom", Dilliard argued, "is the only defense against Communism. Things that count are those things which happen to the individual citizen, neither engineering, nor ballet, nor agriculture are a battle grounds for America, instead, we must buckle down and live by our life—the free way of life," Dilliard concluded.

"Not only proper but necessary" were the words with which Dilliard described the recent discussion of the actions of the House Un-American Activities committee by Herb Probasco, Daily Nebraskan editor.

"The University should be proud that the student newspaper discussed issues which involved other students," continued Dilliard.

Preceding the banquet the Sigma Delta Chi held an initiation of three new members. Don Ferguson, junior, Dave Wohlfarth, and Cloyd Clark, sophomores, were initiated into the professional journalism group.

Red Cross Posts

Interviews for two Red Cross Board positions will be held April 12 at 4 p.m. in 334 Student Union.

The positions open are two transportation committee assistantships. All interested parties are asked to come to the interview.

Nebraskan Want Ads				
No. Words	1 da.	2 da.	3 da.	4 da.
1-10	.40	.65	.85	1.00
11-15	.50	.80	1.05	1.25
16-20	.60	1.00	1.25	1.50
21-25	.70	1.10	1.45	1.75
26-30	.80	1.25	1.65	2.00
31-35	.90	1.40	1.85	2.25
36-40	1.00	1.55	2.05	2.50

These low-cost rates apply to Want Ads which are placed for consecutive days and are paid for within 10 days after the ad expires or is canceled.

FOR RENT Unfurnished apt., near 26th & S. Choice ground floor, 3 rooms, and bath, new stove, refrigerator, antenna. Super-clean. See to appreciate. One or two adults. \$57.50. Call IV 57076

FOR SALE 1956 Ford two-door T-Bird motor and power steering, automatic. 6211 Harley after 4 PM. NROTC. Former grad has uniform for sale, size 38. Call IV 82498. Shortwave Receiver just like new, Hallcrafters SK-99, price \$95. Also Stereo Pre amp. HF-85, \$34. HE 52261.

PERSONAL Couple would like ride to Miami vicinity end of May. Share expenses. GE 74875 Wanted—Rider to Hastings every Friday and return Sunday evenings. Call Chen. HE 26348.

SERVICE REPAIR Professional, guaranteed service of radio, television, hi-fi by a former service technician now in Engineering College. Call Neil Wellenstein. II-4502.



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