

Science and Society Linked in Lecture

Industry Responsible for Research, Tax Law 'Modification' Urged

"The world population is now increasing so rapidly that approximately 40 per cent of all the people who have ever lived are alive today," an eminent scientific administrator said Monday.

Dr. Dael Wolfe, executive officer of the American Association for the Advancement of Science presented the first of three Montgomery Lectures on "Science and Public Policy" at the University.

See 'Hope'
The world is at a point now, Dr. Wolfe pointed out, where it can see the hope of reaching a reasonable standard of living for everyone.

Whether mankind will achieve this, he added, and how soon, are "questions that in the main will be answered by the ways in which we make use of the growing power given us by science and technol-

ogy. Industry has a responsibility for seeing that basic re-



Wolfe

search is adequately supported, even though it does not conduct much itself, Dr. Wolfe, maintained.

Money Justified
In reference to government support of basic research, Dr. Wolfe observed that spending tax money in support of basic research "can be justified on the grounds that the result will benefit society generally."

The scientist urged modification of income tax law to encourage voluntary gifts to universities and laboratories and the undertaking by industry of increased basic research.

Looking at the future, Dr. Wolfe said that as raw materials are used up and as the world faces important changes in the primary sources of power, "we can anticipate some serious international problems."

Who Gets Oil?
"Who gets to use the dwindling supplies of petroleum will be an important issue," he added.

The peak in United States' petroleum production will be reached within five to ten years, according to Dr. Wolfe.

Both food supply and the supply of foods and essential minerals will depend on the increased use of energy.

Sea A Source
The sea is a possible source for both the food and the minerals. Desalting water could make better use of the world's arid regions.

"Such desalting is feasible," he explained, "and while the price will undoubtedly go down as technological improvement occurs, there will still be a very substantial energy requirement to remove the salt and then to transport the sweetened water uphill from the oceans to the arid lands."

The sea will also be a source for minerals, but getting them on land where they can be processed and used in an engineering job of huge dimensions, as is the problem of extracting the elements.

Depends On Mind
Our success will depend on the human mind, Dr. Wolfe maintained, with the fertile imagination of the trained scientist, the imaginative development of the engineer and the skillful management of increasingly complex organizations.

Aloofness or antagonism to science, however, he emphasized, "may be suicidal." Each person must and can have "a general understanding of science without knowing all the details, just as he can have a general understanding of differing cultures without knowing all of their details."

Dr. Wolfe will present the second and third lectures Wednesday and Friday at 8 p.m. in Love Library auditorium.

**Pink
Rag
Tomorrow!**

**Conduct
Warnings
Go to 14**

**Tribunal Hears
Trespassing Case**

Fourteen of the individuals whose cases were heard by the Student Tribunal March 19 were issued conduct warnings, J. Philip Colbert, dean of the division of student affairs, said.

All 14 cases dealt with a complaint of trespassing. No trespassing charge had been pressed in county court, the dean said.

Letter
The warning consisted of a letter to the students and to their parents, calling the matter to their attention and admonishing careful action in the future.

An additional case on the same charge was dismissed. "As it turned out, the individual was not involved," Dean Colbert explained.

Five other cases heard by the Tribunal in their lengthy pre-Easter session resulted in probation for the students involved. Four of the cases dealt with alcoholic beverages and their illegal possession or consumption.

Pilfering Case
One case concerned the "appropriation of property not belonging to the individual" or pilfering, the dean said.

No action was taken on two of the cases heard. The Tribunal decided to continue the hearings of these cases until their next session.

In all the March 19 cases, the action taken by the dean of student affairs coincided with the action recommended by the Tribunal, Dean Colbert said.

**Navy Cadets
Get Flying
Orientation**

Nineteen NROTC students toured the naval air station at Pensacola, Fla. from Mar. 23-27 for air training orientation.

The students were senior Tom Smith, sophomore Jon Moyer and freshmen Terry Mastern, Harvey Hartman, Kenneth Hartman, Michael Thomas, David Moran, David DeLong, Richard Creighton, Gary Jack.

William Cumberland, Paul Moessner, Bruce O'Callaghan, Joan Gilliland, Harold Walker, Arthur Howlett, Daryl Starr, George Simmons and Lowell Minert.

Frederick Nicolai, deputy registrar, Dr. Charles Miller, dean of the college of Business Administration, and Lt. Arthur Storeide accompanied the students.

Union Cafeteria Delays Opening Until...?



MAN WITH PROBLEMS is Duane Lake, Managing director of the Student Union. Delays, delays and more delays have been the story of the building of the Union addition. Lake now isn't saying when any of the new building will be ready for service.

**Wet Panels,
Cafe Line
Are Causes**

Complications arising from flooded kitchen ceilings and incomplete cafeteria lines have delayed opening the new Union cafeteria until "at least April 13."

"The ribbing for the ceiling is all in," Duane Lake, Union managing director, said, "but the panels were caught in a flood in Ohio. They'll have to be re-manufactured."

He added that the new panels should be in some time this week, "at least as far as we know. I'm not so optimistic about promises!"

He explained that the kitchens had been moved and were now being operated, although "ceilingless."

Cafeteria operation is being held up because the cafeteria line has not come from the manufacturer.

"They say it will be here April 3," Lake commented.

The delay will set the opening dates of all facilities back "a couple weeks"

Ten Groups:

**Union Advice Board
Interviews Saturday**

Union Advisory Board interviews will be held Saturday morning.

The board will consist of 10 students representing 10 groups. The groups to be represented will be graduate students, married students, commuter students, residence halls for women, affiliated women, affiliated men, independent men, independent women, residence halls for men and international students.

**Navy Opens
New College
Program**

A new NROTC Advanced Science and Engineering Program has been inaugurated by the U.S. Navy. The program applies to the university's class of '59 and subsequent NROTC graduates.

This program is designed to assist the U.S. Navy in the education and training of scientists and engineers for further developments in "space technology."

Final selection of participating individuals will be based primarily upon their academic record, the recommendations of the Commanding Officers of the NROTC units and their demonstrated performance as officers during their first five to six months of active duty.

This program is available to eligible midshipmen of the regular and Contract NROTC students who are completing their college work leading to degree in engineering or allied field and who will receive commissions as Ensigns USN, or Ensigns USNR during 1959.

**Block, Bridle
Initiates 21**

Twenty-one students have been initiated into the Block and Bridle club for animal husbandry students.

Among the new initiates is a native of Argentina, Fernando Lagos of Buenos Aires, Ag College sophomore.

Other initiates include Richard Frahm, Henry Beel, Edward Gates, George Ahlswede, Russell Edeal, Roger French, George Baumert.

Charles Beermann, Gerald Lamberson, Donald Miles, Ralph Hazen, Richard Hahn, Richard Eberspacher, Mylon Filkins, Vance Oden, Allen Trumble, John Condon, Lloyd Jorgensen, Don Ormisher, and John Zauha.

men and international students.

"As it is now, the Union Board is largely made up of Greeks," Terry Mitchem, Union Board member said.

"We hope that each group can now be represented and will be able to say how they want their money spent."

She explained that the Union receives a small amount of money from each student's tuition with which they sponsor programs and various events.

"We feel that all students should have something to say about what kind of projects we put on," she said.

The board will act in an advisory capacity to the Union board, holding meetings on Tuesday evenings. Students who hold a Union board position or chairmanship for next year are ineligible for the advisory board.

Qualifications for the board include an average of 5.5 and junior standing by next year. Interested students may sign up in the Union Student Activities Office.

**Theta Sigs
Will Host
Lois Wille**

Lois Wille, feature writer for the Chicago Daily News, will highlight the annual Matrix dinner of Theta Sigma Phi Saturday.

Approximately 150 women journalists, publishers, editors, alumni and students are expected to attend the third annual dinner at the Union.

The professional journalism fraternity for women will present plaques and awards to outstanding women journalists from daily and weekly newspapers in the state.

An award will also go to an outstanding Theta Sig senior.

Dr. William Hall, director of the School of Journalism and advisor for the honorary, will select the judges. Women writers in the state have already submitted entries.

A panel of faculty members will name the student winner.

Before the banquet which starts at 6 p.m., Theta Sigma Phi members will hold a coffee for Miss Wille in the Union.

**Novicki Is
New Chief
Of Rifles**

Nebraska junior Larry Novicki was named national commander of Pershing Rifles at their annual convention last week here at the university.

Former national commander Pat Kuncl also of Nebraska made the announcement.

Novicki tentatively named Fred Howlett deputy commander and Stan Fonkin chief of staff of the national fraternity.

Pershing Rifles is a national honorary military society for ROTC basic cadets. It was founded in 1894 by the late General John Pershing, a former Lincolnite.

National headquarters for the organization are located here at the university.

Envoys representing units in 156 colleges in the United States and Puerto Rico attended the convention. There are about 7,500 members in Pershing Rifles.

During the course of business the delegates raised the initiation fee to \$10. This will bring in around \$4,500 per year in additional revenue according to Novicki.

**Three-State
Conference
Scheduled**

A tri-state conference scheduled for Saturday at the University will concern "Health Problems of College Students."

Dr. Lewis Barbato of the University of Denver, president of the American College Health Association will give the main address at the 12:15 p.m. luncheon in the Union.

The conference will be divided into two sessions. The first session beginning at 9:20 a.m. in Love Library Auditorium, will be a panel discussion on "Emotional Problems in College Students." Participating from the University will be the Reverend G. M. Armstrong, student pastor.

Members of the resource panel are: Dr. Barbato, and, from the University Drs. Richard Guilford, Benjamin Kleinmuntz and Clayton d'A. Gerken.

The second session, beginning at 1:30 p.m. in Rooms 315-316 in the Union, will discuss the following subjects: "Health Services in Colleges of 2,000 Students and Under," "Environmental Health Problems for Colleges" and "Tuberculosis Control Program in Colleges."

The University Student Health Center of which Dr. Samuel Fuenning is director, will serve as host. Dr. Fuenning is president of the Central College Health Association.

**Silvana, Sophia,
To be Featured**

"The Gold of Naples," the foreign film scheduled for this Wednesday, will star Silvana Mangano, Vittorio De Sica and Sophia Loren.

The Italian film is a presentation of four separate stories. The film will be shown at the Nebraska Theatre at 8 p.m.

**—Advanced Study—
National Science
Grants Go to 15**

Fifteen University students have received National Science Foundation awards for advanced scientific studies in 1959 and 1960.

Seven students have been awarded Cooperative Graduate Fellowships worth \$1,650 to \$2,200. These fellowships last for nine or 12 months, while the Foundation pays the institution for the cost of the students' education.

Student Winners
The students are Richard Christensen, studying geology; Paul Dussere, studying mathematics; Mrs. Mildred Gross, studying mathematics; Wayne Lang, studying physics; Charles Skov, studying physics; James Swanson, studying chemistry, and Robert Zey, studying chemistry.

Three students received Graduate Fellowships. These fellowships provide 12-month stipends ranging from \$1,800

the first year to \$2,200 for the last year of graduate study, with additional allowances for dependents, tuition and travel.

The students are: Robert Allington, studying engineering; Donald McArthur, studying physics, and Warren Murdoch, studying chemistry.

Encouragement
These fellowships were awarded to 1,100 students from 4,506 applicants. The awards are made to encourage outstanding college graduates to obtain advanced training in the sciences on a full time basis. Recipients of these fellowships plans to take graduate work at the University.

Five men received summer fellowships for Graduate Teaching Assistants, which range from \$50 to \$75 a week as well as the Foundation paying the institution for the students' education.

University teaching assistants receiving this award are Elwood Bohn, mathematics; Eugene Henzlik, zoology; Jack Koenig, chemistry; Alfred Maschke, physics and Arvin Quist, chemistry.

Prior Teaching
These fellowships are awarded to graduate students for use in an institution where they have been engaged as teaching assistants. They must be used between June 1, 1959 and the beginning of the 1959 fall term.

In addition, six students received honorable mention for the Graduate Fellowships.

They are Marguerite Keller, Paul Hanse, Kent Parsons, Marlin Bolar, Clyde Brashier and Howard Fuehring.

**NU Site
For Police
Brush-Up**

**Law Enforcement
Under Scrutiny**

Approximately 50 Nebraska peace officers are on campus this week brushing up on law enforcement.

The annual Law Enforcement Institute is being held at the Union Ballroom through Friday. Such topics as Nebraska's traffic problems, narcotic laws, use of firearms, lie detectors, criminal interrogation and photography will be discussed.

A special demonstration will be held at State Fairgrounds this afternoon with a simulated crime scene search. Speakers include Fred Inbau, professor of law at Northwestern University, James Slavin, chief of Police at Kalamazoo Mich., and George McNally, special agent of the National Auto Theft Bureau at Kansas City, Mo.

**Duo-Piano Team
To Give Recital**

Two former University students will present a duo-piano concert in the Union Ballroom this evening at 8 p.m.

They are Janet and Martha Danielson, both seniors at the Eastman School of Music in Rochester, N. Y. They are studying under Armand Basile and Harry Watts.

The program will include "Sonata No. 2 in B Flat", by Clementi; "Sheep May Safely Graze", by Bach-Howe; "Waltzer, Op. 39", by Brahms; "Cradle Song" and "Dance of the Tumblers" by Rimsky-Korsakov-Babin, and "Scararmouche" by Milhaud.

Admission to the concert is free.

That's What Cheerleaders are Made Of

By Doug
"Have a big smile and sparkle all you can."

Judy Zikmund, NU cheerleader, has this advice for aspiring freshman. Cheerleaders for next year will be selected at tryouts April 15. Practices will be held April 1, 7, 9 and 14 at 4:30 p.m. at the coliseum.

Frosh Eligible

Freshmen girls and boys with 4.5 averages are eligible to tryout at 7 p.m. in the coliseum. Three boys and two girls will be picked to join next year's squad.

"Experience isn't needed because cheers are so different from those of most high schools that experience often hinders you," Miss Zikmund said.

"How much we travel depends on how much the university gives us. But those trips are fun. All costs are entirely paid for by the University—trips, uniforms, even down to ice cream bars we

eat on the trip. Cleaning bills are the only expense."

Practice Important

"Practice sessions are very important. It's the little things that count—like holding the thumb in instead of out."

For the girls, Miss Zikmund added, "Wear a full skirt, and something with sleeves. A tennis shoe is best because that's what we wear."

She also mentioned there is a lack of male prospects for the coming year, so all are



"Just follow me gals" says Yell King Bill McQuistan to these aspiring young cheerleaders. The pre-vacation practice was held to help acquaint the would-be cheerleaders with the fine points of Nebraska cheers.

welcome.

Why go out for the cheer squad?

One reason is you get expense paid trips with the football teams. Cheerleader Brent Chambers said the squad would probably go to Kansas State, Iowa State, Missouri and possibly one other school next season.

"The trips are fun," Miss Zikmund pointed out. "Out bouncing around like a fool at the football games and rallies, you would have to have a horrible attitude not to love it. And believe it or not, being on the squad makes most of our averages go up."

Chambers' advice to the hopeful was to be friendly and pleasing with an average amount of co-ordination.

"They learn two yells to try out," he said. "Both boys and girls should wear clothes that give them freedom of movement."

In past years about 60 or 70 have tried out. This year a