

'Pep' Pills Risky They'll Give the Shakes

By BART BRADLEY
Of the State News Staff

Stimulants, commonly sold as "keep-awake" pills in drug stores without prescriptions, can build up and have adverse effects if improperly used, warned Dr. James S. Feurig, medical director of Olin Health Center.

Many students who stay up all or most of the night studying buy these pills and "get loaded on them," he said.

A check of seven out of nine East Lansing drug stores showed an estimated 150 to 200 boxes of these pills are sold each week toward the end of every term.

Feurig explained that caffeine in the pills keeps users awake, but after they take a certain amount, "it trips the heart rate."

Users then get the shakes and their heart and ears will pound, he said.

The student who takes these pills may retain what he studies at the time, but later

during a test, he will "be ahead of himself," Feurig explained. "His thoughts will come in flights and he won't be able to use any of them," he said.

"It'll be just plain scatter-brained," Feurig said. "It would be better for the student to go to bed."

This way, he said, the student would have a clear mind to use what he previously learned.

"Every term we have sick kids who push themselves just before mid-term and final exams," Feurig said. "They haven't organized their days and find they must cram the last week."

Feurig emphasized the need for uniform sleep patterns as vital for good health. Sleep requirements vary with individuals, but the average college person needs an average of eight hours sleep a night, he said.

This "average" doesn't mean five or six hours on week-nights and 10 or 12 on week-ends, he

declared. Too many students live this way, he said, but this is not a uniform sleep pattern.

Some people can get along on seven hours sleep while others require nine, he said. An afternoon nap can fill in gaps for some, he said, and others will not be able to sleep at night if they nap.

In addition to the immediate effects, students will suffer lowered resistance from lack of sleep, Feurig said. This, he added, will make them susceptible to other ailments.

He listed the common cold, flu, intestinal and stomach flu and mononucleosis as common student ailments.

Feurig also emphasized the need for proper diet and recreation.

"They will give a person stability to face life on two feet," he said.

"I would eliminate all social functions Sunday through Thursday if I could. Then students would have time for study and sensible living habits."

JFK Makes Personnel Changes

Bowles Accepts Appointment To New Diplomatic Post

WASHINGTON (AP)—The White House announced Monday that Chester Bowles has accepted a new and important diplomatic post especially tailored for him.

The announcement ended reports that Bowles had decided to quit after being replaced as No. 2 man in the State Department.

President Kennedy, who made a series of major changes in the White House-State Department Foreign Policy Command over the weekend, called Bowles in for a talk Monday afternoon.

The President's press secretary, Pierre Salinger, then announced Bowles had accepted appointment as Kennedy's "special representative and adviser on African, Asian, and Latin American affairs with particular emphasis on the problems of the new and developing countries."

Bowles, who has held the title of Under Secretary of State, will undertake special missions in these areas, Salinger said, adding:

"The President is delighted to have Mr. Bowles devoting his full time and attention to these new and greater responsibilities in an area he considers second to none in importance."

Salinger said Bowles will re-

port directly to Kennedy and to Secretary of State Dean Rusk on "long-range planning and policy in this area and on the improvement of our operation and representation in the countries involved."

Bowles will hold the rank of ambassador but Salinger described the job as a brand new one and not comparable to the roving ambassadorship formerly held by Averell Harriman.

Harriman, one of the 10 officials receiving new assignments in the biggest shakeup of the Kennedy administration thus far, becomes an assistant Secretary of State.

No salary for Bowles has been set, but Salinger said it would be "commensurate with the importance of his post." It was reported that Bowles would receive an increase over his \$22,500 pay as under secretary and his rank on the diplomatic ladder would rise.

White House sources emphasized that Bowles would be able to devote full time to the new job. Bowles was known to have little liking for the detailed chores connected with the day-to-day operations for which the under secretary is responsible.

Officials said the choice of Bowles for such an assignment would make clear to the developing countries that despite

conspicuous problems centering on Berlin and other east-west trouble spots, the President considers their future of the utmost importance.

The 60-year-old Bowles, a controversial figure in the Kennedy administration since its first few weeks in office, was reported to have had no advance information that he was being eased out of his high state department post.

There were indications that Bowles learned about the change only Sunday. Salinger said Secretary Rusk talked to Bowles Sunday afternoon prior to the President's announcement, which was made Sunday night at Hyannis Port, Mass.

String Quartet Presents Program

The department of music will present a concert by the Faculty String Quartet in the Music Auditorium at 8:15 p.m. Tuesday. The members of the quartet are Romeo Tata and James Niblock, violinists; Lyman Bodman, violist; Louis Potter, Jr., cellist.

The program will comprise the "Quartet in C Minor, opus 18, No. 4" by Beethoven; the "Second String Quartet" by James Niblock; and the "Quintet in B Minor, opus 115, for Clarinet and Strings" by Johannes Brahms. Assisting artist for the Quintet will be Keith Stein of the Woodwind Faculty of the music department.

Ticket Maximum Placed at Four

Seniors graduating this term will be allowed a maximum of four tickets per person at commencement for family and guests, the commencement committee announced Tuesday.

Tickets will be distributed starting Wednesday from 8 to 5 p.m. in the senior office, 108 Administration Bldg.

The committee said the distribution was set up to insure that guests can be accommodated in the auditorium for the Dec. 7 commencement exercises. An overflow crowd is expected to hear the guest speaker, American Motors president George Romney.

Hannah Has Reception For Seniors

President and Mrs. John A. Hannah welcome all seniors graduating this term to the traditional Senior Reception at Cowles House, Wednesday from 7:30 until 9 p.m.

Invitations have been sent to all graduating seniors whose names and addresses have been available to the Alumni Office. Those who have not been contacted are also invited, as are spouses of married students.

Saines Honored

George Saines was elected most valuable player on the 1961 Michigan State football team by his teammates Monday night at the annual football team dinner.

He was also elected captain of the 1962 squad.

The award came in the form of a Hamilton wrist watch.

Saines did not know until after the banquet that he had been elected to the 1961 all Big Ten squad.



Weather

The forecast for today is partly cloudy and cold. The expected high will be in the low 30's.

The outlook for Wednesday is partly cloudy with somewhat warmer afternoon temperatures, but turning colder in the evening.

Give the Kids Coffee

Colombians Want Trade, Not Aid

"If Americans really want to help Colombia, let them give their children coffee instead of sending us dollars."

That was just one bit of advice that James T. Goering, graduate student in the department of agricultural economics, received while in Colombia for a 13-month study of its agricultural problems.

His work was part of an extensive research project being conducted by the department of agricultural economics.

The project, directed by Dr. Harold Witt, is a study of the needs and effects of United States food surplus programs in foreign countries.

Besides gathering material for his PhD thesis, which he will soon publish, Goering said he worked on two specific projects in Colombia.

Part of Goering's work was conducted under a contract with the U.S. Department of Agriculture and the National University of Colombia.

Goering assisted two professors from the department of economics, Dr. Harold M. Riley and Dr. Garland H. Wood, now on leave in Colombia.

Their purpose was to make long range estimates of Colombian agricultural production. From these projections, the USDA can better evaluate the

Colombians Want Trade, Not Aid

import demand for United States food surplus.

About half of his time, Goering said, was spent studying the effects of Public Law 480 on Colombian agriculture.

"Public Law 480," Goering explained, "allows the federal government to export surplus farm products to foreign countries and receive payment in the currency of those countries rather than in United States dollars."

He said United States surplus food is imported in exchange for pesos which are then re-loaned to the Colombian government in the form of foreign aid.

Goering's work in Colombia

French Novelist Will Give Talk At Berkey

The French novelist, Jean Bruller, will discuss the poet Paul Eluard at a public lecture Wednesday at 8 p.m. in 207 Berkey.

Governor Returns Home Rocky's Hopes Fade For Missing Son

PIRIMAPOEN, Dutch New Guinea (AP)—Gov. Nelson A. Rockefeller, his face drawn and downcast as the first really hopeful clue faded, flew personally to this jungle search camp yesterday in an apparent last-ditch effort to find his son.

The governor made the trip in a Catalina flying boat after a white plume of smoke, which raised hopes when it was spotted Sunday, turned out to be a native fire without connection to 23-year-old Michael. He has been missing since he tried to swim to shore from a capsized boat nine days ago.

The governor's flight over the steamy jungle was his second air trip since his arrival last week and the first time he had landed near the waters in which Michael was last seen. Gov. Rockefeller talked with various search leaders here and one of them

Competition Affected By Autolite Merger

DETROIT (AP)—The Justice Department asked U.S. District Court here Monday to strip Ford Motor Co. of the battery and spark plug business it bought last April for \$28 million.

In a civil antitrust suit, the government sought to void a deal made by Ford with Electric Autolite Co. of Toledo whereby Ford acquired the Autolite trade name; a spark plug plant at Fostoria, Ohio; a battery plant at Owosso, Mich., and much of the Autolite sales personnel.

The government said Ford's acquisition of Autolite could tend to lessen competition markedly in the auto parts, auto electrical parts, and spark plug business generally, and to wipe out Electric Autolite as an "important competitive factor" in these areas.

Ford now operates an Autolite division selling to Ford dealers and independent outlets.

The action came on the event of a much larger merger already announced by Ford — acquisition of Philco Corp. Philco stockholders are to meet in Philadelphia Tuesday to approve a Ford proposal to take over the long-established appliance maker.

Ford bought the Autolite properties for cash. It proposes to exchange Ford stock for Philco. Although no price has been announced, observers estimate the over all Philco cost, including liabilities, at about \$145 million.

Ford's General Counsel, William T. Gossett, said the Court action came as a great surprise. "We are convinced that there is no sound basis for this attack," he said.

Gossett, a Ford vice president, said the company was aware the government was looking into the deal and "we had cooperated fully . . . in supplying it with documents and other information . . . until Monday, we have had no indication that the government would challenge it."

Gossett said further that before the deal Ford did not make spark plugs or batteries while its leading competitor (General Motors) makes both. He added Ford will continue to buy substantial quantities of batteries from outside suppliers.

Electric Autolite, a co-defendant in Monday's suit, now makes a full line of automotive products including spark-plugs and batteries which are marketed under the Prestolite trademark.

Ford is the third automaker to be hit by antitrust action by the Kennedy administration. Robert S. McNamara left the presidency of Ford, which he held only one month, to become Secretary of Defense in the Kennedy cabinet.

Last April the government charged Chrysler Corp. with applying illegal pressure against its dealers to make them give up franchises for other cars, especially Studebaker.

One week later General Motors was accused of misusing its economic power to compel the nation's railroads to buy diesel locomotives from its Electro-Motive division.

A five-year-old suit pending in Detroit charges General Motors with monopolizing the bus manufacturing business.

Monday's suit said Ford formerly bought electrical accessories from three companies but now manufactures its own and further that 8,000 Ford dealers have been "foreclosed" as possible customers for independent suppliers of such equipment.

Robert H. Davies, Electric Autolite president, said in a statement to Toledo Monday:

"We understand that the Department of Justice has filed suit to force divestiture by the Ford Motor Co. of certain assets which it purchased from the Electric Autolite Co. last April.

"We have not been officially notified of such a suit. In our opinion and in the opinion of our counsel, the transaction which the Electric Autolite Co. made with Ford last April was not in conflict with the antitrust laws."

Michigan State News

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Ford Violated Antitrust Law Says Government

Hopes for Test Ban Retarded

LONDON (AP)—The Soviet Union's proposal Monday to halt nuclear tests appeared to retard rather than advance the prospects for a test ban, Western sources said.

The initial unofficial reaction in London was one of disappointment.

The three-power negotiations resuming in Geneva Tuesday appear headed for the old east-west deadlock, which for three years has prevented the conclusion of a test ban treaty.

Informants said the Kremlin still is ducking on the control question. There still is no sign that the Soviet Union will accept an international control system to prevent cheating on a test ban.

Washington and London have said repeatedly they will never accept a ban on nuclear explosions based on a system of self-inspection.

The two Western powers want a test ban treaty establishing international policing machinery, including control posts and mobile inspection teams.

The Soviet Union proposed that the atomic powers pledge themselves to refrain from nuclear weapon tests in the atmosphere, under water and in space. The powers also would promise not to test nuclear weapons underground until a system of controls is worked out.

Finally the Russians proposed that the French, who now have their own atomic devices, should be invited to the Geneva talks.

Several Western objections were obvious. The Russians have concluded atmospheric tests including one monster blast of more than 50 megatons.

Now, having gained information from that series, they would prevent similar tests by the United States. Britain has reserved the right to make such tests but has made no arrangements for them.



LEARNING TO work with children is an important part of the Child Development major's program. Here Mrs. Barbara Stiffler talks with Rebecca Miller during nursery school hours. Mrs. Stiffler is a student teacher in the Child Development program and works under the supervision of a Laboratory Preschool instructor four afternoons a week. —State News photo by Frank Lisclandro.

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Considers Rule 10 for Realtors

By THE ASSOCIATED PRESS

A crackdown against "block-busting" realtors who exploit homeowners' fears of non-white buyers was proposed by the State Corporation and Securities Commissioner Monday.

Raymond F. Clevenger said he is considering addition of a "rule 10" to the state real estate code to prevent realtors from pushing sales by "harrasing homeowners" in partially integrated neighborhoods.

"However, I haven't even checked with the Attorney General's office on this yet," Clevenger told state agency and department heads who met to discuss civil rights in the operation of state government.

Gov. Swainson summoned the group together to talk over ways for making sure that racial or other forms of discrimination are not practiced in state government.

Clevenger's proposed a rule 10 would follow the controversial rules adopted by his predecessor, Lawrence Gubew. It prohibits real estate agents from practicing discrimination in their dealings.

The Michigan Real Estate Association is testing the validity of the ruling in Ingham County Circuit Court.

"The type of broker I have in mind goes into a neighborhood where a minority family has moved in and harrasses the other property owners by saying that property values are going down," Clevenger said. "He creates tension and panic."

"The new rule would prohibit licensees from soliciting a sale on the ground of loss of property value because of the entrance of a person of a racial minority into the neighborhood."

Clevenger indicated the problem was most acute in the Detroit area.

Franklin K. DeWald, state personnel director, told the meeting that Michigan's state government has "a very, very clean operation from the viewpoint of discrimination."

"If there is discrimination, we don't know about it," he said.

DeWald's statement was partially refuted by Alber Kaufman, assistant to state highway commissioner John C. Mackie.

Kaufman helped draft a set of anti-discrimination rules for the department after a Negro state legislator complained of race prejudice in highway hiring practices.

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NASA May Orbit Chimp Around Globe

CAPE CANAVERAL, Fla. (AP)—A jug-eared chimpanzee with remarkable brainpower soon will rocket around the world to learn the possible effect of orbital flight on an American astronaut.

The chimp will provide the first careful measurements obtained by U. S. scientists on whether mental faculties and reflexes are disturbed by a prolonged period of floating in space without the familiar sensation of having weight.

The National Aeronautics and Space Administration is expected to reveal the name of the chimp Tuesday. If all goes right, the animal will ride a Project Mercury capsule three times around the globe in 4 1/2 hours Wednesday.

How the ape reacts will determine whether a human pilot is to be sent on a similar space journey within a few weeks.

Animals have flown on rockets, both Russian and American. But only one, a diapered chimp named Ham, carried out intelligent tasks in space. On a 15-minute suborbital flight last January, he successfully performed a number of lever-pushing chores and proved that such a trip was safe for Astronauts Alan B. Shepard Jr. and Virgil I. Grisson.

Ham is one of five primates

training here for the upcoming mission.

The orbiting chimp will be up much longer than Ham and will have more demanding tasks. He, or she, will be in a weightless condition for nearly the entire 4 1/2 hours and will be subjected to higher blastoff and re-entry forces.

Scientists are highly interested in the results of the test because of the vertigo sickness which affected Russian cosmonaut Cherman Titov during most of his 25-hour orbital flight in August.

If future space pilots suffer similarly, this is a human factor which could alter the course of the manned space flight programs of both the United States and Russia. Spaceships traveling to other planets will be in a weightless state for weeks or months.

The chimpanzee is the most logical animal to pioneer space for man. In body and behavior, in moods and motor ability, he is more closely like man than any other creature.

There are many physiological similarities—in patterns of the brain, makeup of the blood, and structure of the hands. Like a man, a chimp has his bright and bleak periods. His reaction time of .7 of a second is close to man's .5 of a second.

On the upcoming flight, the chimp will zip around the earth at 17,400 miles an hour, strapped in an air-tight container inside the Mercury capsule.

He will work at a waist-high shelf equipped with three levers below a trio of display panels. In most of the tests, he is to react to a colored light by hitting the appropriate lever. He also will indicate which of three symbols is different from the other two when they flash on before him. The animal has learned the reaction tests to perfection in recent weeks.

If the chimp does not perform properly, he will receive a small electrical shock in the foot.

Cameras and electrodes will measure the animal's reaction time, alertness, heartbeat, respiration and temperature. A backup chimp on the ground at Cape Canaveral will simultaneously perform the same tasks for comparison.

Engineers' Conference Held Here

A nationwide conference to promote the more effective use of engineers and engineering technicians will be held here Nov. 29-30.

More than 100 engineering supervisors and personnel people from firms in many states will travel to Kellogg Center for Continuing Education for the conference.

To be discussed are such topics as the future needs of engineers and technicians, the changing role of engineers and technicians and various problem areas in the supervision of engineers.

Speakers at the two-day meeting will include Lee A. Iacocca, vice president and general manager for the Ford Division, Ford Motor Co., Dearborn; Paul Robbins, executive secretary, National Society of Professional Engineers, Washington, D.C., and William Torpey, consultant, Office of Emergency Planning, Executive Office of the President, Washington, D.C.

Joining to sponsor this fourth annual conference on the Effective Utilization of Engineers and Technicians are the Michigan Society of Professional Engineers; Michigan Engineering Society; Office of Emergency Planning, Executive Office of the President; and MSU's College of Engineering, Labor and Industrial Relations Center and Continuing Education Service.

Police Arrest Lansing Driver

Nils Adolphson, 30, of Lansing, was arrested Sunday morning by the department of public safety and charged with drunk driving and driving without an operator's license.

Adolphson pleaded not guilty in Lansing Township Justice Court Monday. His trial was set for Jan. 4.

Nuclear Power Is Likely Space Fuel

"Nuclear power has up to one million times the potential of gasoline as a source of energy for space flight," according to Lawrence J. Giacoleto, professor of electrical engineering.

Speaking before the mechanical engineering department seminar on high altitude and space in the Electrical Engineering bldg., Giacoleto compared the relative merits of chemical, electrical and nuclear energy in space flight.

Watch That Nutria?

A selling campaign to beguile buyers of troublesome and overrated muskrat-like rodents ended in mail fraud convictions for Cabana-Nutria, Inc., a California corporation which has done business in Michigan.

The defendants drew fines of \$1,000 each and suspended five-year prison sentences from a Los Angeles federal grand jury and were ordered "to refrain from any illegal advertising" for their company.

They were convicted on charges of advertising that their corporation had developed a fur-bearing animal known as the Cabana-Marrone, whose pelts supposedly brought an average market price of \$30 each.

Postal authorities estimate the advertising campaign attracted some 4,000 nutria buyers and grossed more than \$3,000,000 from 1954 to 1960.

Conservation Department game men, who have warned Michigan residents about the company's "get-rich-quick" advertising, say the market for wild nutria is practically nil in this country. The going price for their pelts is about \$1 at best.

The nutria has a voracious appetite which makes it costly to raise for commercial purposes. This animal is a serious menace to muskrat and water-fowl habitat and farm crops in states where it is found in the wild. There are no known wild nutria colonies in Michigan at this time.

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"WHEN A FELLER NEEDS A FRIEND—BAD" is one of more than 100 top newspaper photos which will be exhibited in East Lansing by Consumers Power company. The picture is by George Vallilee of the Battle Creek Enquirer & News. All photos in the show are 1961 prize winners in the Michigan Press Photographers and Michigan Press associations contest. The display begins Tuesday at the Michigan State university Student Union and continues through December 7. The public is invited.

Mikado Received With Enthusiasm

By SALLY WARD Of the State News Staff

A prancing Lord High Executioner solved the love problems of a prince in disguise Tuesday at the New York City Opera presentation of Gilbert and Sullivan's, The Mikado.

An enthusiastic audience filled the auditorium to watch the executioner, Ko-Ko, submit to his fate as he stepped sprightly across the stage into the arms of the over-powering Katisha, an elderly lady in love with the prince.

Disguised as a wandering minstrel, the prince, Nanki-Poo decides to commit suicide when he finds out his love, Yum-Yum is going to marry the executioner.

Ko-Ko decides to take advantage of the disguised prince, and throws away his list of "never to be missed" execution suspects, who . . . "puff peppermint in your face . . . it's such a disgrace."

As the "Pretty State of Things, A Pretty How-de-do" continue, the prince is allowed to marry Yum-Yum for a month and then be executed.

According to tradition, the wife of an executed man is buried alive in the Japanese town of Titipu and on hearing this news, the prince once again wishes to commit suicide.

But the Mikado is on his way to visit Titipu, accompanied by Katisha, who is pursuing the prince and accusing him of running out on their marriage.

And the execution must not be put off.

The solution to the dilemma is solved as the execution of the prince is faked and signed by Poo-Bah, Lord High Everything Else, and Petti-Sing, Yum-Yum's sister.

When the Mikado realizes that the executed is his son, he decides to "Let the Punishment Fit the Crime," and proposes several sentences for Ko-Ko, Petti-Sing and Poo-Bah.

Ko-Ko solves all problems as he melts the hard-hearted Katisha with the song "Willow, Tit-willow" and is left only with his problem of married life with Katisha.

Oriental fans flash and clap and brightly colored parasols turn in time to the music of "The Flowers that Bloom in the Spring" to bring down the curtain before an appreciative audience.

The opera was the second presented by the New York City Opera company in connection with the Lecture Concert Series.

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F. N. Arbaugh Co., Lansing;
J. L. Hudson Co., Himehochs, Detroit;
Jacobson's, Jackson

Tiny Needles Still In Package Form

LEXINGTON, Mass. (AP)—A powerful American satellite-tracking radar has picked up evidence that 350 million tiny copper filaments sent aloft Oct. 21 in an Air Force communications test are still orbiting in a package—instead of a cloud.

The Massachusetts Institute of Technology Lincoln Laboratory said it is carrying out calculations and experiments as to why the 7/10 inch copper hairs seemingly have not been released.

The task of seeing the tiny package is described as equivalent to observing—from Boston—a football high over the city of Denver.

Each of the 350 million tiny

copper filaments—if dispersed into the planned cloud—was expected to act as a tuned dipole to reflect radio waves back to earth. In theory, such a sparse cloud might have made possible a world-wide communications system free from enemy interference or eavesdropping.

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Johnson Evaluates Thailand Aid

The program of U.S. aid to Thailand has recently been evaluated by an economic mission including Dr. Glenn Johnson, agricultural economics professor.

The report of the team was submitted to the federal government for determining future aid. Johnson discussed the aims and means of development in a seminar Wednesday.

He said the agricultural sector needs attention as a basis for economic development in four areas:

Productivity must be increased in order to support a growing population.

New crops must be introduced for domestic trade and to replace imports.

Export crops must be made more profitable.

Likewise, industry must be expanded in order to absorb population growth and must be spread throughout the country as much as possible.

The measures which must be taken in Thailand with respect to agriculture are to support agricultural education, credit and marketing facilities, irrigation, secondary transport routes, and technological research.

Irrigation and power will be provided in great quantities when the Chainat and Yanhee dams are completed. Two other dams are contemplated, including one along the Lantian border.

Better agricultural education, through U.S. support of Kasetsart University, is necessary for increased output and introduction of new techniques.

Research in pastures, fertilizers, hogs, corn, jute, sugar, and tobacco will provide new and better export and domestic materials. Studies of farm reorganization and more secondary roads will also be needed, he said.

Here again, new roads, varied and increased crops and more industry will be necessary, he said.

In line with the U.S. foreign aid program the Thai government will be expected to provide encouragement for these programs through planning, taxation and credit policies. Help from other countries and the World Bank will also be encouraged, he said.

The team, headed by Howard Bowen, president of Grinnell College, included persons in the areas of economic planning, loans, political science and military budgeting.

Sophomore Women's Honorary Awards Fellowships

For the 1962-1963 academic year, the National Council of Alpha Lambda Delta, sophomore women's honorary, will award the Maria Leonard, the Alice Crocker, Lloyd and the Adele Hagner Stamp Fellowships for graduate study.

The amount of each fellowship is \$1,500 which may be used in any college or university where there is a chapter of Alpha Lambda Delta.

Any member of Alpha Lambda Delta who graduated in 1959, 1960 or 1961 and who has

maintained a 3.5 scholastic average throughout her college career is eligible.

Graduating seniors may apply if they have maintained this average to the end of the first semester (or first quarter) of this year.

Applicants will be judged on scholastic record, recommendations submitted, the soundness of the applicant's project and purpose and, to some extent, on need.

Application forms must be seen HONORARY page 4

Crossword Puzzle

- ACROSS**
- Collection
 - Expunge
 - Long way off
 - Host
 - Propeller
 - Extreme harness
 - Be situated
 - Squirm
 - Informed
 - Flower container
 - Hebrew month
 - Afflict
 - Shrill
 - Saying
 - Creeks
 - Land measure
 - Mountain pass
 - Walking stick

Solution of Yesterday's Puzzle

AGED	SPA	ONIT
RALE	FOR	RUDI
EVAN	ABE	ABEA
SENTIMENT	YAN	
POP	ARAB	
SAP	NET	AROD
ALAN	DEA	FORM
CAROL	TYA	VED
AREA	TRY	
GAS	IRREGULAR	
ARID	ROM	LACE
BITE	ALP	AGES
SLEW	DRY	NIGHT

DOWN

- Mother pig
- Auricle
- Insignificant
- Units of energy
- Angers: colloq.
- Stage of life
- Hence
- Shoot out, as eyes
- Outburst of flame
- Tune
- Female sandpiper
- Crew
- Packs
- Seed coating
- Walked
- Pay homage to
- Threofold
- Maritime
- Salvers
- Convoyed
- Mountain lake
- Stupid
- Rebuff
- Sully
- Showy flower
- Cavalry sword
- Soldier's equipments
- The milkfish
- Clamor
- Orinoco tributary
- Chinese shrub
- But
- Proceed

Industry should be encouraged by the education of businessmen and technicians at the Thai University. Certain crops could be encouraged which would provide the basis for some manufacturing. Also, it will be necessary to transfer people out of agriculture as industry expands, Johnson said.

He also said that it is desirable that U.S. and Thai grants and aids to agriculture and industry be spread out over more of the nation, to encourage improvement outside of Bangkok.

Up to now Bangkok has developed ahead of the rest of Thailand, and has not provided much of a market for the other areas, as it has imported many of its needs.

Industry in the Bangkok areas has not been able to absorb enough of the population growth of the rest of the nation. A general growth requires that the various areas develop interdependently, serving as markets for each other's goods.

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Fallout Shelters Good Idea? Protection Offered Not Long-Range

By GARY RONBERG
Of the State News Staff

Any disarmament program will meet great obstacles as long as people believe they are protected, professor Thomas H. Greer said Thursday night.

Greer appeared on a panel of faculty members and Civil Defense representatives that discussed the facts of radioactivity and the value of fallout shelters at a public meeting sponsored by the Lansing SANE Nuclear Policy Committee.

"While fallout shelters might save people for two weeks they certainly don't offer any long-range protection," Greer said.

"I think the great illusion that you go underground for two weeks and then come up and rebuild is absurd. The value of fallout shelters has been grossly exaggerated."

Greer, a professor of humanities, is deeply interested in the history of warfare and the development of military doctrine. He is co-author of the official history of the Army Air Forces and has written a text now in use at the Air University.

He said that in a nuclear attack, both sides would fire upon each other until one was wiped out.

"Such a war would not end until one country had lost its launching capabilities," Greer said, "and this would take a general saturation of attack."

"They would just keep plastering each other until one was finished."

Greer said the building of fallout shelters is a matter of personal judgement and he didn't see any sense in a national shelter-building program.

"The people of major cities have been virtually written off if an atomic attack occurs," he said.

Such cities would become "raging firestorms" and little time would exist to reach the shelters, Greer said.

"The only real protection is disarmament and anything distracting from that is a threat," he said.

R. S. D'Amelio, acting director of Michigan's Civil Defense office, defended fallout shelters.

"Why do you think our enemy is so concerned about them?" he asked.

"If you keep believing that nothing will be left when an attack is over," he said, "you're selling a heritage for a mess of potage."

"And I don't think you ought to go into irony and sarcasm concerning fallout shelters."

D'Amelio urged that, instead of such thinking, people should become better informed about what to do in case of an attack and realize the uses of fallout shelters.

He said cities must have public meetings and distribute literature about plans concerning nuclear attack protection.

"East Lansing has no such plan," D'Amelio said. "It needs one."

D'Amelio said that disarmament is the best solution, but if the Civil Defense program is properly supported it might mean the difference between total destruction and survival.

Jim Anderson, vice president of AUSG, analyzed the student reaction to the world situation and the possibilities of nuclear war.

"I doubt if there is any country in the world where students are less concerned about the world situation than in the United States," he said.

"There exists a general state of apathy toward the most crucial events of the day and a passion for some of the most trivial," Anderson said.

Anderson said that during his years as a student at MSU he had never seen as strong a student reaction to one particular event as when the football Spartans defeated Michigan several weeks ago.

Today's student will suffer or enjoy the consequences of today's events, but he isn't interested, Anderson said.

Anderson said that students should inquire into university programs concerning fallout protection by writing letters and contacting public officials.

Meetings on the living unit level might help to stimulate interest, he said.

Regarding fallout shelters, Anderson said:

"The fallout shelter program, if expanded to a national rather than individual level, is very likely to hinder disarmament negotiations."

Richard U. Byerrum, professor of biochemistry and assistant provost of MSU, outlined some of the effects of atomic radiation.

He said the basic effect by an excess of radiation was cell destruction by ionizing radiation, and disruption of genetic material.

This results in mutation, he said.

Byerrum said that, by experiments on lower animals, aging is apparently hastened by radioactivity.

He said that there has been about 15 per cent increase in natural radiation as a result of the nuclear tests conducted in Russia.

"The number of mutations in the total population and shortening of life should not be very significant," Byerrum said, "but consistent increases in radioactivity are going to have some damaging effect."

Lester F. Wolternick, professor of physiology and a biophysicist, gave some facts about the recent Russian bomb tests.

Race Relations Topic of Speech

The History Club will meet Tuesday in 221 Physics-Math. Dr. James R. Hooker of the history department will speak on "race relations in central Africa". A business meeting and coffee hour will conclude the evening.

He said that near Japan and areas where the bombs were exploded it was 100 times as contaminated as it was in Lansing.

The path of fallout from the 30 megaton bomb traveled right over one of the most populated and developed parts of Siberia, he said.

"One wonders if any nation has deliberately planned to expose its people to a fallout of this magnitude," Wolternick said.

"You just don't test these bombs near anyone," Wolternick said that the attitude of the nation would be much different if it knew a bomb would be dropped on it.

"The question is not, what is the nature of fallout—it is, are these bombs going to be exploded," he said.

"The point here is that none of us have experienced any effects of fallout," Wolternick said.

Wolternick said that the continuation of bomb tests could effect the economics of the nation because people might stop buying foods that were reported to be affected by radiation.

One Change Made in Final Exam Sked

The office of the registrar announced Tuesday that one change has been made in the final exam schedule.

The final exam will be held on Thursday, Dec. 14 from 3:45-5:45 p.m. for classes which meet at 8 or 8:30 a.m. on the following days: Monday, Wednesday, Friday; Monday, Tuesday, Thursday, Friday; Monday, Tuesday, Wednesday, Thursday, Friday.

MSU Professors Present Papers

Three professors of the Department of Anatomy will present papers at the 42nd annual meeting of the Conference of Research Workers in Animal Diseases in Chicago Monday and Tuesday.

Dr. J. Thomas Bell Jr., Associate professor of the department of anatomy is giving a paper entitled, "The Comparative Enzyme Histochemistry of Leucocytes of Domestic Animals."

Dr. Madan Bharadwaj, associate professor of the department and Dr. M. Lois Calhoun, professor and head of the department are delivering their paper, "Histology of the Bulbo Urethral Gland of the Domestic Animal."



Russian Music To Be Discussed At Russian Club

The bi-weekly meeting of the Russian Club will be held in 36 Union at 7 p.m. Wednesday. The guest speaker, Miss Patricia Palmer, will talk on "Great Russian Music of the Past."

Newly elected president, Ronald G. Kloet, Grand Rapids senior, will be in charge of the meeting. Other new officers are: vice-president, Effie Kufdakis and secretary-treasurer, Mary Cline, Indiana senior.

Open to Everyone Union Has Record Library

If you like music you'll like the Union's Music room. For housed in this room is one of the most complete record collections on campus.

Whether it is folk songs, classical or Broadway show tunes, chances are the Music room, located on the third floor, has your favorite.

And its library of records is growing. More than 20 new disks have been added this fall, according to Etylee E. White, director of activities for the Union.

"The Music room has a good representative collection," Miss White said.

"Many of these records are stereophonic. The Union Board has put more than \$700 into these records during the past three years, including \$400 last year.

"Now we have something for everyone."

However few persons seem to know about the Music room, Miss White said.

"It is open for everyone but it isn't used as much as it used to be."

"We haven't had a waiting list in five years," Sue Van Riper, student assistant, agreed.

"We have a few 'regulars' who come in during the week," she said. "But there are not many others."

Among the favorites of the "regulars" are "Exodus," "Grand Canyon Suite," "Beethoven at Carnegie Hall" and Tchaikovsky's "Pathétique."

More than 120 other records are also there.

There are four booths, three of which have stereophonic speakers.

These are used to play the longer LP albums. The fourth booth is used for the playing of the smaller sized 45's.

Each booth is well soundproofed by strips of foam rubber around its door and glass.

Open to Everyone

Union Has Record Library

All windows are enclosed by double panes of glass. A fifth booth is equipped with an upright piano which anyone may use. It is open every afternoon from 2 to 5 and again from 8 to 9 in the evenings.

Researcher To Talk at Seminar

Dr. I. H. Gerks, a member of the research staff of Collins Radio Company, Cedar Rapids, Iowa, will speak at a seminar on high atmosphere and space Wednesday at 4 p.m. in 404 Electrical Engineering.

The title of Gerks' talk is, "Ionospheric Anomalies and Their Relation to Solar Phenomena." The department of mechanical engineering will sponsor the seminar.

Professor Richard Reid, department of electrical engineering, will be the presiding chairman of the meeting. All interested persons are invited.

Honorary

(continued from page 3) completed by the applicant herself, and submitted to Miss Lucille M. Scheuer, National Fellowship Chairman, Dean of Women, Temple University, Philadelphia, Penn., by Feb. 15, 1962.

Application blanks and further information may be obtained from Joyce McNamara, 101 Student Services.

Night Staff

Assistant Editor: Mary Fleming; wire editor: Bob Niemann; copy editors: Jackie Ippona, Al Royce, Denis Gosselin.

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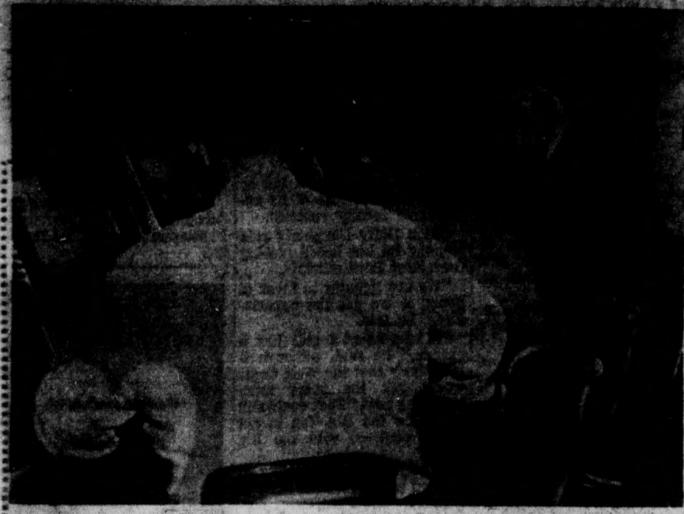
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JUNIOR COUNCIL will hold a secret football practice Tuesday, Nov. 28, at 4 o'clock on Landon Field. Even Senior Council is welcome to come. 42

Information

Spanish Club - Tuesday, 8 p.m., United Nations Lounge.
Social Work Club - Tuesday, 12:15 p.m., Catholic Student Center.
German Folk Dance Group - Tuesday, 7:30 p.m., Ping Pong Room, Union.
Graduate Business Assn. - Wednesday, 2:15 p.m., Grad. Student Lounge, Epply Center.
Sailing Club - Tuesday, 7:30 p.m., 32 Union.
History Club - Tuesday, 7:30 p.m., 221 Physics-Math.
Promoters Board Meeting - 7 p.m.; dancing, 8 p.m., Women's Intra-mural.
63' Class Spirit - Wednesday 8:30 p.m., 34 Union.
Senior Reception - Wednesday 7:30 to 9 p.m., Cowles House, all graduating seniors invited.
The Spanish Club will not have its regular meeting Tuesday, but will meet on Dec. 5.

Hunter Leaves for Argentina

Dr. John M. Hunter of the department of economics, has left for two weeks of study in Argentina and Colombia. He will study the possibilities for development of the newly reactivated Instituto de Investigaciones Economicas at the University of Cordoba in Argentina. Hunter has had much experience in South America and other countries. He has worked overseas since 1945. In Bogota, Colombia he directed the Center for Studies in Economic Development. Hunter is being sent by the Ford Foundation.

Dr. Cederquist Speaks at Science Meet for Women

Sigma Delta Epsilon, graduate women's scientific fraternity, will hold an open meeting Thursday, at 8 p.m. in the Faculty Women's Lounge, third floor, Union. Dr. Dena Cederquist will speak on "Food - Fact and Fallacy". All women in science are invited. Dr. Cederquist, head of the department of foods and nutrition can be currently seen on her TV series, "Food for Life," on Channel 10.

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Rep. Robert Griffin Speaks Before Republican Club

U.S. Congressman Robert Griffin, co-author of the Landrum-Griffin Labor Reform Bill, will be the featured speaker at a meeting of the Young Republican Club Tuesday at 8:30 p.m. in Parlors A and B Union.

Griffin, from Traverse City, is under consideration for the gubernatorial nomination in Michigan's 1962 elections.

He will give a short talk before the Young Republicans and all other interested students. A question and answer period will follow.

According to Tom Bissel, club president, plans for a UN project to be initiated in January will also be discussed at the meeting.

Under the chairmanship of Karl Lady, a Young Republican committee will work to demonstrate student disapproval of any moves which would bring the admission of Red China to the United Nations closer.

Fraternity paddleball semifinals will be held Tuesday at 7:00 p.m.

Provost Miller Will Address Student Wives

An open meeting for all student wives is planned Tuesday in the Kellogg Center auditorium at 7:30 p.m., sponsored by the department of continuing education.

Provost Paul Miller will give a brief talk on the responsibility of the University to provide educational opportunities for student wives.

A panel discussion is planned. Dr. Stanley J. Idzarda, director of the Honors College, will serve as moderator. Other participants on the panel will be Dr. Ruth H. Useem, Research Consultant in Sociology and Anthropology, Dr. Elizabeth M. Drews, Professor of Education, and the advisor to Spartan Wives, Mrs. Lou E. Ritchie.

New Economics Club Holds First Meeting

Guests at the meeting will have an opportunity to present their views on education for women and to indicate the areas in which they have an interest and which would be stimulating to them.

An organizational meeting of the Economics Club will be held at 7:30 Tuesday in 21 Union.

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