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'Altered' genes

Genetics could create energy

The world energy problem may be solved with the use of genetic engineering, said Dr. Roy Curtiss, in a SCOA XX address Friday. Curtiss outlined the possible use of "altered" germs that could be burned for energy. The scientist also illustrated the use of bacteria to produce food for starving people in under-developed nations. Curtiss emphasized the need for the present temporary moratorium on genetic research because of the

lack of an international agreement on the uses of genetic research. He stated that in a short time scientists in one country could have the technology to release "altered" germs or bacteria that would cause sterility in females, thus working as a birth control device.

Using altered germs, Curtiss said a solution to the energy crisis could be implemented, in a matter of a few years, if the world put its resources into a program. The bacteria would be "genetically engineered" to produce cellulose, the basic material of wood, or alcohol, both highly efficient forms of energy. The bacteria would feed on the solid waste a city produces. The energy source would then be extracted from the bacteria and

burned to produce electricity. Curtiss told the audience of 500 that present forms of research could be expanded to provide most of the world's protein needs for the future. This would be possible by altering an easily grown bacteria into a form that would produce casein, a basic protein source extracted from milk.

Biohazards of genetic research were also discussed. Presently, Curtiss said, the largest hazard is that a bacteria would be produced that would be highly beneficial to man but hazardous to other animals. An "altered" germ might also become highly resistive to present antibiotics. During a reception held after his presentation, Curtiss said that the present use of antibiotics could be

dangerous unless controlled. He added that presently many doctors are using antibiotics without regard to the disease. He blamed patients who fail to return to the doctor for a "back-up" shot needed to kill all the disease-causing germs in their body. The surviving bacteria are then resistant to the antibiotics. When asked about the disposal of America's biological warfare weapons, Curtiss said, "I am of the belief that all the germ weapons have been destroyed, but some of the toxic chemicals could still be available for use."



Roy Curtiss III speaks on genetic engineering. Photo by Kevin Fotorny

Bulletin board

TODAY
AMERICAN SOCIETY OF MECHANICAL ENGINEERS meets at 7:30 p.m. in Rm. 203 in Zachry; Chris Nerven of Heat Research Corp. will speak on "Energy conservation through the use of air preheaters."
COLLEGE OF BUSINESS ADMINISTRATION will present Dr. Thornton Bradshaw, president of Atlantic Richfield Co., speaking on population growth, energy crisis and needs for capital at 8 p.m. in Rudder Theater.
DEPARTMENT OF FOREST SCIENCE sponsors Laird Robinson a Montana smoke jumper with the U.S. Forest Service. He will speak at 3:30 p.m. in room 607 of Rudder Tower and again at 7:30 p.m. in room 601.
AGGIE CINEMA CLUB meets at 8 p.m. in the conference room. All members who want to stay members must attend.
HORTICULTURE SOCIETY meets at 7:30 p.m. in the Plant Sciences Building.
A&M WHEELMEN meets at 7:30 p.m. in room 230 of the MSC.

WEDNESDAY
EDCI GRADUATE STUDENT ASSOCIATION holds a brown bag seminar at noon in HECC Phase II, room 104. Dr. Athelstan Spilhaus will be featured speaker.
BRUSH COUNTRY HOMETOWN CLUB meets at 7:30 p.m. in room 607 of the Rudder Tower.
EL PASO HOMETOWN CLUB meets at 7:30 p.m. in room 404 of the Rudder Tower.
EAGLE PASS HOMETOWN CLUB meeting at 7:45 p.m. in MSC Student Lounge.

THURSDAY
PENTAGON AREA HOMETOWN CLUB meeting at 7:30 p.m. in room 501 of Rudder Tower.
COMMITTEE FOR AWARENESS OF MEXICAN-AMERICAN CULTURE presents Dr. Roberto Galvan speaking on "Characteristics of Texas, Spanish, and Mexican-American Poetry" at 7:30 p.m. in room 301 of Rudder Tower.
CEPHEID VARIABLE SCIENCE FICTION/FANTASY COMMITTEE presents 2001: A Space Odyssey at 7:30 and 10:30 p.m. in the Rudder Auditorium. Admission is \$1.
WILLIAMSON COUNTY HOMETOWN CLUB meeting at 7 p.m. in MSC.
TAMU VETERANS ORGANIZATION breakfast meeting at 7 a.m. in MSC Cafeteria.
DEWITT-LAVACA COUNTY HOMETOWN CLUB meeting at 7:15 p.m. in Rm. 229 in the MSC.
OCEANOGRAPHY-METEOROLOGY SEMINAR will feature presentation of "Wave Formed Ripples in Near-Shore Sand" by Dr. John Dugler at 3:30 p.m. in Rm. 112 of Oceanography Bldg.
CHEMISTRY SEMINAR M.W. Rowe will speak on the "Cosmo-chemical Evolution" at 7:30 p.m. in Rm. 210 of the Oceanography Bldg.

FRIDAY
AUSTIN HOMETOWN CLUB meeting at 7:30 p.m. in Rm. 127 of Academic Bldg.
CEPHEID VARIABLE SCIENCE FICTION/FANTASY COMMITTEE presents 2001: A Space Odyssey at 7:30 and 10:30 p.m. in the Rudder Auditorium. Admission is \$1.

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AGGIE CINEMA
All members genuinely interested in maintaining membership must attend the meeting on Feb. 18, Tuesday at 8:00 pm in the Conference Room of the SPO

Student busted

A Krueger Hall resident was charged Feb. 6 with misdemeanor possession of marijuana. Sherry Lynne Knopp, 18, was charged after a search of her room by University Police uncovered a small amount of what appeared to be marijuana. Knopp is free on \$250 cash bond.

Campus briefs

Voter registration opens
Voter registration will run Feb. 17-21, 8-5 on the first floor of the MSC and at the shuttle bus stops. Persons having voted in the past three years do not need to reregister. City Council elections are coming up in April.

Smoke jumper to speak
A Montana smoke jumper with the U.S. Forest Service speaks about his profession today. Part of a lecture series sponsored by the Department of Forest Science, Laird Robinson will speak twice Tuesday. One lecture is at 3:30 p.m. in room 607 of Rudder Tower and the other is at 7:30 p.m. in room 601.

College Junior Program For Girls

- Attend the college of your choice.
- Receive over \$500.00 per month during your senior year.
- Apply during junior year.
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FOR DETAILS CONTACT:
LT. BILLIE J. PEASE
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10:00 a.m. - 3:00 p.m.
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SENIORS MARK YOUR CALENDAR MARCH 11th March 1975

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 FEBRUARY	2 FEBRUARY	3 FEBRUARY	4 FEBRUARY	5 FEBRUARY	6 FEBRUARY	7 FEBRUARY
8 FEBRUARY	9 FEBRUARY	10 FEBRUARY	11 FEBRUARY	12 FEBRUARY	13 FEBRUARY	14 FEBRUARY
15 FEBRUARY	16 FEBRUARY	17 FEBRUARY	18 FEBRUARY	19 FEBRUARY	20 FEBRUARY	21 FEBRUARY
22 FEBRUARY	23 FEBRUARY	24 FEBRUARY	25 FEBRUARY	26 FEBRUARY	27 FEBRUARY	28 FEBRUARY
29 FEBRUARY	30 FEBRUARY	1 MARCH	2 MARCH	3 MARCH	4 MARCH	5 MARCH
6 MARCH	7 MARCH	8 MARCH	9 MARCH	10 MARCH	11 MARCH	12 MARCH
13 MARCH	14 MARCH	15 MARCH	16 MARCH	17 MARCH	18 MARCH	19 MARCH
20 MARCH	21 MARCH	22 MARCH	23 MARCH	24 MARCH	25 MARCH	26 MARCH
27 MARCH	28 MARCH	29 MARCH	30 MARCH	31 MARCH		

ST. PATRICK'S DAY (March 17th)
PASSOVER BEGINS (March 27th)
GOOD FRIDAY (March 29th)

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MONDAY EVENING SPECIAL	TUESDAY EVENING SPECIAL	WEDNESDAY EVENING SPECIAL
Salisbury Steak with Mushroom Gravy Whipped Potatoes Your Choice of One Vegetable Rolls and Butter Coffee or Tea	BREADED FISH FILET w/TARTAR SAUCE Cole Slaw Hush Puppies Choice of one vegetable Rolls & Butter Tea or Coffee	Chicken Fried Beef Steak w/cream Gravy Whipped Potatoes and Choice of one other Vegetable Rolls and Butter Coffee or Tea
THURSDAY EVENING SPECIAL		
ITALIAN SPAGHETTI SERVED WITH SPICED MEAT BALLS AND SAUCE Parmesan Cheese - Tossed Green Salad Choice of Salad Dressing - Hot Garlic Bread Tea or Coffee		
FRIDAY EVENING SPECIAL	SATURDAY EVENING SPECIAL	SUNDAY SPECIAL NOON and EVENING
Mexican Fiesta Dinner Two Cheese and Onion Enchiladas w/chili Mexican Rice Patio Style Pinto Beans Tostadas Coffee or Tea One Corn Bread	"Yankee Pot Roast Texas Style" Tossed Salad Choice of one vegetable Rolls & Butter	ROAST TURKEY DINNER Served with Cranberry Sauce & Crabapple Combread Dressing Rolls - Butter - Coffee or Tea Giblet Gravy And your choice of any One vegetable

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