Speaks Thursday

E. L. von Rosenberg, an A&M will be members of the senior aerostaff metallurgist with Brown and class. "Man, Root for the Mohole Project, will Von Rosenberg graduated in is like speak here Thursday.

Von Rosenberg will lecture at 4 cal engineering. p.m. Thursday on "Some Engineering Aspects of the Mohole Project," Dr. C. H. Somson Jr., head of the Department of Civil cell the Engineering, announced. The talk t lived in the departmental lecture room r on a is another in the Civil Engineering Faculty and Graduate Students eminar. Also attending this week

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it was

d days

s move up in University graduate who is now a space engineering materials science

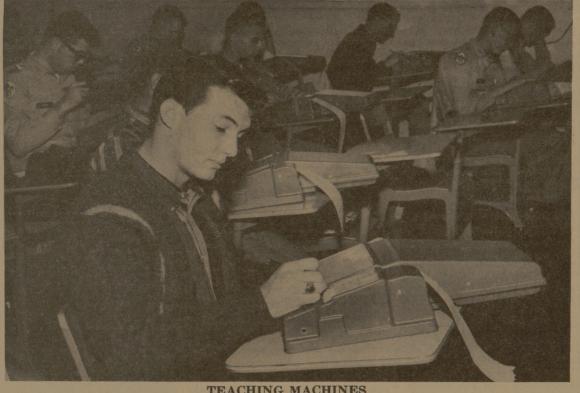
1948 with a BS degree in mechani-

* * * Scholarship winners at the Dairymens' Short Course included Billy E. Berry, of Granbury, and Michael Wuensche of Spring. Both are seniors majoring in dairy manufacturing.

Berry received \$400 from the Lilly Ice Cream Co. of Bryan. Wuensche ..was ..awarded.. \$100 from the San Antonio Dairy Technology Society.

Also receiving awards were Alan J. Eder of Colombia, South America, and Allen W. Matthys of Riesel. Eder received a \$300 Borden Foundation Award and Matthys, a \$100 Dallas-Fort Worth Dairy Technology Society Award. Awards were based primarily on scholastic achievement. The annual chort course was held

Mohole Engineer Aggies Try Out Teaching Machines



TEACHING MACHINES ... Lyndon Limerick and Psychology 207 class give them a try.

Thirty-six A&M students are Teaching machines are now new, participating in a preview of the Casey observed, and pointed out future and enjoy the experience. that such devices were suggested

chines" for a portion of their models were demonstrated in the studies in General Psychology 207, 1920s. But only recently has this an introductory course designed form of instruction attracted conespecially for science majors. A siderable interest. National Science Foundation grant, Each student's machine resemversity made possible purchase by clerks write out charge tickets. is about \$40 a student.

bert Casey who has no fears of to the frequent questions. teaching machines ever replacing

tasks," Casey said. He views the knowledge mounts up." devices simply as an important

sued a machine and instructional tra materials as needed by the unit. And he plans to resume lec- individual student, providing "twoturing shortly after the holidays. way communication."

They are using "teaching ma- in the Nineteenth Century and two

plus matching funds from the Unithe Department of Education and Knobs allow the student to run the Psychology of the machines and instructional material through the instructional materials. The cost machine at his own speed, one of several advantages of the pro-Teaching the course is Dr. Al- cedure. Answers must be written

"You certainly learn from this type of device," sophomore Lyn-"The machines free the teacher don D. Limerick of Houston, said. from repetitious and time-consum- "I've noticed it gives you a quesing drilling chores, so he can en- tion and then a hint to the answer. gage in higher level professional The questions seem easy but the

Casey lectured to the class in the conventional manner for sometime before each student was issued a machine and instance of the students use the simplest models of teaching machines. Advanced models are linked with electronic computers to allow exsued a machine and instance. The students use the simplest

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adline of 1 p. m. of t. adline of 1 p. m. of the Chemistry Building. For any details relative to this examination you may talk with either Dr. Rakoff or Dr. Rose. 120t4

THE GRADUATE COLLEGE Announcement of Final Examination for the Doctoral Degree (Defense of the Dissertation) Title of Dissertation On the Optimum Design of Conventional and Complex Distillation Columns

Time of Examination January 6, 1965 at 3:00 p. m. Place of Examination Room 318 in Geology Building Wayne C. Hall Dean of Graduate Studies 119t2

THE GRADUATE COLLEGE The Graduate Studies 119t2

THE GRADUATE COLLEGE The form of Final Examination for the Doctoral Degree the Doctoral Degree of Doctor of Philosophy in Chemical Engineering Title of Dissertation On the Optimum Design of Conventional and Complex Distillation Columns

Time of Examination January 6, 1965 at 3:00 p. m. of Conventional and Complex Distillation Columns

Time of Examination January 6, 1965 at 3:00 p. m. of Conventional and Complex Distillation Columns

Time of Examination Room 318 in Geology Building Wayne C. Hall Dean of Graduate Studies 119t2

THE Graduate Studies 1 p. The Graduate Studies 1 p Announcement of Final Examination for the Doctoral Degree (Defense of the Dissertation)
Full Name of Candidate: Sadik, M. K. Candidate for Degree of: Doctor of Philosophy in Plant and Soil Science
Title of Dissertation: Mechanism of Iron Chlorosis in Grain Sorghum
Time of Examination: January 11, 1965 at 3:00 p. m.
Place of Examination: Room 303 in Plant Sciences Building
Wayne C. Hall
Dean of Graduate Studies 12013

THE GRADUATE COLLEGE
nnouncement of Final Examination for
the Doctoral Degree
(Defense of the Dissertation)
ull Name of Candidate: Golan, Floyd

of Examination: Room 200 in riculture Building Wayne C, Hall Dean of Graduate Studies 120t3

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Convocations Committee

119t6

NOTICE TO JANUARY GRADUATES:
On Thursday, January 14, at 8:00 a. m.,
a list will be posted in the lobby of the Richard Coke Building of all candidates

THE GRADUATE COLLEGE

Announcement of Final Examination for the Doctoral Degree (Defense of the Dissertation)
Full Name of Candidate Reuscher, Jon OFFICIAL NOTICE

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THE GRADUATE COLLEGE
Announcement of Final Examination for the Doctoral Degree (Defense of the Dissertation)

Full Name of Candidate Ray, Levon L.

of Examination Room 3 in (Base-tt) Agronomy Building Wayne C. Hall Dean of Graduate Studies 119t2 BEST

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the Doctoral Degree
(Defense of the Dissertation)
Full Name of Candidate Russell, Leon

Commencement Exercise andents who are candidates for the of Doctor of Philosophy are reto order hoods as well as the scaps and gowns. The hoods are left at the Registrar's Office nothan 1:00 p. m., Tuesday, January is will be accomplished by a repreve of the University Exchange. The Ph.D. hoods will not be worn procession since all such candidates to hooded on the stage as part of remony. Candidates for the Master's will wear the cap and gown; all a students who are candidates for the Bachelor's Degree will wear proportie uniform. All military nel who are candidates for the Bachelor's Degree will wear proportie uniform. All military nel who are candidates for the Bachelor's Degree will wear proportie uniform only. Rental of caps and may be arranged with the Exchange Orders may be placed between 8:00 Monday, December 14 and 12:00 Saturday, January 9. The rental is ows: Doctor's cap and gown \$4.75, Bachelor's cap and gown \$4.75, Bachelor's tons

THE GRADUATE COLLEGE
Announcement of Final Examination for
the Doctoral Degree
(Defense of the Dissertation)
Full Name of Candidate Oldham, William
J. B. Jr.
Candidate for Degree of Ph.D. In Physics
Title of Dissertation Calculations of the
Euergy and Angular Distribution of
Elections Ejected from Helium by Portions e. Orders may be placed between 8:00 m., Monday, December 14 and 12:00 m., Monday, December 14 and 12:00 m., Saturday, January 9. The rental is ollows: Doctor's cap and gown \$6.25, Bachelor's and gown \$4.25. Bachelor's and gown \$4.25. Hood rental is the as that for the cap and gown. A sales tax is required in addition to rentals. Payment is required at the of placing order.

C. E. Tishler, Chairman
Convocations Committee 119t6

THE GRADUAGE COLLEGE

J. B. Jr.
Candidate for Degree of Ph.D. In Physics Title of Dissertation Calculations of the Energy and Angular Distribution of Elections Ejected from Helium by Portions
13:00 p. m.
Place of Examination January 7, 1965 at 3:00 p. m.
Place of Examination Room 304 in Physics Building
Wayne C. Hall
Dean of Graduate Studies 119t3

(Defense of the Disserted Property of the Holdstes ic referred at a is ermine of Candidate Reuscher, Jon Arthur Candidate for Degree of Doctor of Philosophy in Nuclear Engineering Title of Dissertation Transient Thermal Stresses in Liquid Metal Cooled Reactor Fuel Elements

Time of Examination January 8, 1965 at 1:00 p. m.

Place of Examination Room 207 in Engineering Building

Wayne C. Hall
Dean of Graduate Studies 119th

THE GRADUATE COLLEGE cuncement of Final Examination for Doctoral Degree (Defense of the Dissertation) Name of Candidate Helmers, Donald

Jacob
Candidate for Degree of Doctor of Philosophy In Mechanical Engineering
Title of Dissertation The Effects of Vibratory Motion on Heat Transfer by Free Convection From a Heated Flat Plate
Time of Examination Saturday, January
9, 1965 at 9:00 a. m.
Place of Examination Room 113 in Mechanical Engineering Shops Bldg.
Wayne C. Hall
Dean of Graduate Studies 11944

Decoral Degree
Defense of the Dissertation)
ame of Candidate Ray, Levon L.
the for Degree of Doctor of PhilosIn Plant Breeding (Agronomy)
f Dissertation Inheritance of Croprity in American Upland Cotton,
pium hirsutum L.
of Examination January 6, 1965 at
p. m.
of Examination Room 3 in (Baseplant of Graduate Studies 11942

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Undergraduate students who have 95 semester hours of credit and two semesters of residence at Texas A&M may purchase the repulminary grade report on November 9, 1964, may be used in satisfying the requirements. Those students qualifying under this plan may leave their names with the ring clerk in the Registrar's Office. She will then check their records to determine their eligibility to order the ring. Orders for the rings will be taken November 18 through November 25, and December 7, 1964, through January 6, 1965. These rings will not be delivered before February 16, 1965. The ring clerk is on duty in the Registrar's Office Monday through Friday from 8:00 to 12:00 noon.

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Grad Wins Flying Cross

Capt. Jay B. Bisbey, '59 grad-shoulder and in my neck and face. offensive with rocket fire and uate of A&M, won the Distin-Checking the plane, I found that scored several hits on enemy posiguished Flying Cross in Viet Nam recently for saving the life of his observer on his aircraft when it was hit by enemy fire.

Later, Bisbey won the Air Medal with a "V" for valor and seven Oak Leaf Clusters when he continued to strike against enemy positions although his aircraft was severely damaged.

Bisbey rose to the rank of Cadet Colonel of Second Brigade Staff while at A&M and was graduated with a degree in mechanical engineering.

Bisbey, recounting the events on July, 1963, that won him the DFC, said, "I was flying a Mohawk airplane as a wing man in a two-plane flight out on a normal area reconnaissance. With me was a Vietnamese observer. on the job. We were sailing along at treetop level when a Viet Cong force spotted up and opened fire.

"Suddenly the observer screamed in agony and a split second later I felt a burning pain in my right tore into the plane. I took the ed about a mile away."

shoulder and in my neck and face. offensive with rocket fire and we were still airworthy. Then I tions. Turning homeward I found turned my attentions to the in- that the plane's hydraulic sysjured observer. A bullet had tem had been knocked out." shot through the cockpit, passing through his forearm and face before hitting me.

"He was bleeding freely and in a panic stricken state of shock. (The observer was attempting to eject himself from the tircraft.)

"First I made sure that he couldn't shoot himself from the plane and then I made a tourniquet from one of my leg straps in an attempt to stop the flow of blood. His thrashing against the controls and extreme loss of blood were my only problem on the return trip."

After hospitalization for two months, the observer was back

Describing the mission that earned him the Air Medal with "V" (valor) Device, Bisbey said, "We were on a routine flight a couple of loop-the-loops and when a Viet Cong machinegun crashed on the airfield. I land-

The machinegun fire had damaged the flaps, speed brakes and the steering controls. Bisbey found that he could not lower all of his landing gear; only two wheels came down-the third was

"Attempting to jar it loose, I tried several high speed dives to no avail. Rocking the wings back and forth didn't help either. Finally, in desperation, I flew to the runway, slammed the plane down hard on its two extended wheel-it didn't work. Ground control finally ordered the captain

to abandon ship. "Climbing to 5,000 feet and pointing the plane oceanward, I instructed the observer to punchout (eject) and I followed. Contrary to our plans, the plane did

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