

**50 Spring Branch Students Visit Campus**

Sixty students from the Spring Branch Independent School District, Houston, toured nuclear facilities at Texas A. and M. College Monday.

The visiting students were taken to the veterinary hospital to see an example of animals being treated by radiation therapy. The demonstration was conducted by Dr. W. C. Banks, professor of radiology in the Department of Veterinary Medicine and Surgery.

Afterwards, they were taken to view the nuclear reactor and toured the activation analysis laboratory.

**Journalism Group Members Named**

An advisory council has been appointed by Pres. M. T. Harrington to work with and to improve the work and the service of the Department of Journalism.

Plans for additional scholarships, the securing of needed laboratory equipment and other means of supporting the department were discussed at a meeting recently when council members were guests of Harrington.

Council members include: Sid Abernathy, Abernathy Co., Nacogdoches; Bill Barnard, Associated Press bureau chief, Dallas; W. R. Beaumier, general manager, The Lufkin Daily News; Buck Buchanan, farm reporter, KPRC, Houston; W. B. Crossley, publisher, The Madisonville Meteor; A. Pat Daniels, Alvin State Bank publicity director; L. A. Duewall, publisher, The LaGrange Journal;

James A. Knight Jr., public relations manager, Aluminum Company of America, Rockdale; Bee Landrum, farm editor, Fort Worth Star Telegram; Roger B. Letz, associate editor, The Cattleman, Fort Worth; Douglas Meador, editor, Matador Tribune; John H. Murphy, executive director, Texas Daily Newspaper Association; Jim Park, president - editor, International Brahman Review, Houston;

Silas B. Ragsdale, editor-director, Petroleum Refiner, Houston; Ed Ray, executive editor, Express Publishing Company, San Antonio; George Roesner, farm director, KPRC, Houston; C. G. Scruggs, associate editor, Progressive Farmer; W. M. Shannon, president, The Herald-Coaster, Rosenberg; Pat Taggart, publisher, Waco News Tribune; L. O. Tiedt, farm reporter, KTRH, Houston; Johnny Watkins, farm director, KWTX, Waco; John E. Whitmore, assistant bureau manager, Business Week, Houston; Gene Robbins, agricultural director, Houston Chamber of Commerce;

Charles E. Ball, regional editor, Farm Journal, Dallas; Dewey Compton, farm director, KTRH, Houston; Frank Field, editorial department, Humble Oil and Refining Co.; Doyle Gougler, farm editor, The Houston Post; Gordon Jones, division manager, McGraw-Hill (See JOURNALISM, Page 6)



**Aggie on Duty**

Raul G. Villaronga, C Infantry senior, is working at mine-laying as part of his ROTC summer camp training at Ft. Benning, Ga.

**Prof, Students Construct New Computer**

An analog computer a training aid in nuclear engineering, has been constructed by Dr. E. S. Holdredge and senior students in the special problems class of the Department of Mechanical Engineering.

The computing device was built with approximately \$10,000 of the funds made available by the Atomic Energy Commission for the A&M nuclear science program.

Beginning next fall, the computer will be made available to graduate students and will give them the tools to solve heat transmission problems related to nuclear reactors. Solving of such problems are also vital for successful experimentation in the missile and satellite field.

**Uses Electrical Elements**

Through electrical elements that represent physical bodies, an engineer can determine with this computer how hot certain body parts of a reactor become under certain operating conditions.

Holdredge says the same methods can be used to determine the temperature reached at various points in missiles and satellites after they reach the earth's atmosphere.

When metals become heated to temperature their strength is reduced so the importance of testing these metals for missiles and satellites can readily be seen.

**Determined Missile Shape**

Also by use of computers of this type, scientists have determined the shape or design of missile that will withstand the most heat-causing friction.

A number of other complex engineering problems can be solved with the aid of electrical models which bear no obvious resemblance to the prototype when an intricate machine such as the analog computer is available.

**Body Heat Transmission**

For instance, in using the analog computer to solve problems in heat transmission the body would be represented by a net-work of resistors and capacitors. The temperature would be represented by voltage and the amount of heat flow would be represented by the current.

A computer consisting of an electrical network is advantageous because of the ease of connecting circuits which represent a mathematical problem and the fact that rapid solutions are obtained.

Gambling is not permitted in St. Louis. But, you can cross the Mississippi River into Illinois and there lay down a buck or two on which nag might not come in. Trip is 20 minutes.

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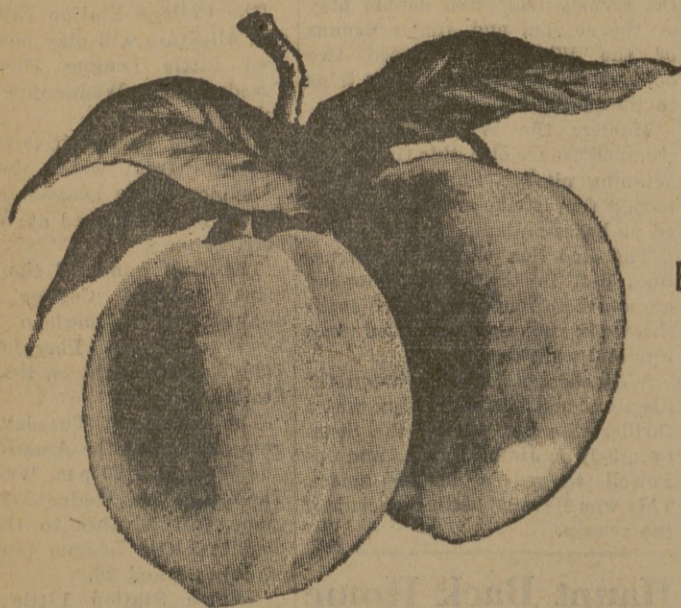
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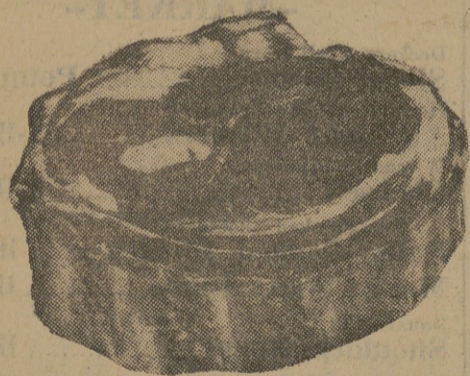
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