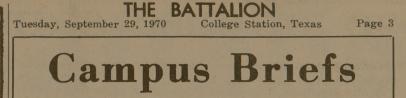
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Local fire departments to host demonstration Bryan and College Station Fire Departments will host a public demonstration of new fire-fighting chemicals and equipment at 6:30 p.m. Tuesday on A&M's Brayton Fire Training Field.

Firemen's Training School Instructor David White said fire departments from throughout central Texas have been invited. The demonstrations are expected to take about 90 minutes.

Brayton Fire Training Field is located south of Easterwood Airport.

* * *

Engineers compile research publication

A A&M engineering group is compiling a publication covering research conducted in the field of fiber-reinforced plastic composites.

The publication, which will have particular application for personnel engaged in aerospace and submarine design, is the result of a 10-month study conducted under an Air Force program. The document will be published as an Air Force Materials Laboratory technical report.

Authors of the publication are Dr. R. A. Schapery, Dr. L. D. Webb and S. W. Beckwith of the composite Materials Group in the Civil Engineering Department's Materials Science and Materials Engineering Division. The survey covers the unclassi-

fied publications issued between 1958 and August of this year. Particular emphasis is placed on research dealing with boron, glass and graphite fiber materials.

* * * Text by Dr. Simmang

reaches fifth edition Dr. C. M. Simmang, head of the Mechanical Engineering Department at A&M, is co-author of three widely used textbooks in thermodynamics recently published in their fifth editions by Mac-Millan Company.

"Problems on Thermodynamics" and the accompanying solutions manual are the work of Simmang, Alexander V. Brewer, and Virgil M. Faries, formerly of the Naval Postgraduate School and now deceased. Simmang also made the current revision of "Thermodynamics," written originally by Faries.

* * *

Electrical engineering professors named

The appointment at A&M of Dr. Kurt F. Schenk and Dr. Darrell R. Gimlin as assistant professors of electrical engineering has been announced by Dr. W. B. Jones, department head.

A native of Bogota, Colombia, Schenk received his Ph.D. this year at the University of Colorado. His fields of specialization are electromechanical energy conversion and application of optimization theory to electrical machine design, Jones said.

Two scientists receive grants

ceived Department of Health, Education and Welfare research grants totaling \$40,952, Congressman Olin E. Teague announced Friday from Washington.

The National Institute of Arthritis and Metabolic Diseases grants are to Dr. Kenn E. Harding, assistant professor of chemistry, and Dr. G. Ananda Rao, research scientists in biochemistry and biophysics.

Dr. Harding received \$16,742 for biogenetic studies and Dr. Rao was awarded \$24,210 for cancer-related research.

Both grants are for the first year of three-year studies.

Dr. Rao is investigating the mechanism and regulation of glyceride (fat) synthesis in normal and cancer tissues. He has researched that area since joining A&M three years ago. New developments during this threeyear period is one reason A&M received the grant, Rao said. M. D. Anderson Hospital and

Tumor Institute in Houston will cooperate by supplying some cancer tissues. Rats are currently used as the control group, but Dr. Rao expects to be using mice later.

Dr. Harding's research is directed toward examination of chemical reactions by living organisms of complex natural products such as cholesterol, cortisone and other steroid hormones.

The key step in the biological preparation of steroid-like compounds is the conversion of a noncyclic polyolefin into a polycyclic intermediate, Dr. Harding said. Reactions of this type have re-

Two A&M scientists have re- cently been used in the laboratory preparation of steroids.

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