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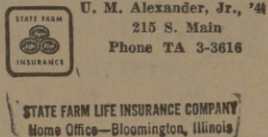
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Carved gargoyles on Gothic architecture had a practical as well as artistic purpose. Extending several feet from the walls, they served as water spouts to prevent falling water from eroding stonework.



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Kuykendall Improvises Method To Better Activation Analysis

Measurements so accurate that the weight of a thousandth of a fingerprint (about a millionth of a gram) can be recorded, figure in a new method

Industrial Arts Honors Taken By Snyder

Snyder high school dominated the first annual Texas Industrial Arts Awards Program May 21 at A&M when it took top honors in nine of 12 divisions.

Eddie White won the "Most Ingenious Project" division when he exhibited his shop-built garden tractor. He was awarded a plaque.

Another plaque went to DeWayne Lee for showing the "Best Creative Design," a round table. The program was sponsored by the Industrial Education Department at A&M and the Texas Industrial Arts Assn.

Dr. Leslie Hawkins, professor of industrial education at A&M, said the winners will compete in the Ford national contest to be held this summer at Detroit, Mich. Cash awards will be made.

Other top winners from Snyder and their divisions were the following:

Architecture, Jimmy Spardlin; ceramics, Betty Joe West; leather, Rusty Rieger; machine shop, Eddie White; open division, Tommy Cooper; plastics, Karen Robinson; and jewelry, Frank Younger.

Their teachers are Frank Miller, W. E. Raborn and W. A. Mayfield.

of analysis improved for nuclear scientists by a graduate electrical engineering student.

The students is William E. Kuykendall, Jr., who will receive a master's degree in electrical engineering Saturday. His work is in activation analysis, where he has developed a method that ties the use of spectrometers to high-speed computing equipment. It is significant enough that the Kuykendall technique is to be described to the national meeting of the American Nuclear Society, at Chicago, on June 13. A description of the work is scheduled for the international gathering of nuclear scientists that will be held in Copenhagen, Denmark, this coming fall.

'Wonder' Metals

Practical application of the work is related to analysis of such substances as the new "wonder" metals, used in the nose cones of rockets, in space satellites, in jet engines and high-speed missile components. These metals are extremely valuable, complex alloys in many cases, and must be absolutely free of impurities that might cause them to break up or suffer metal fatigue under ex-

treme heat, speed or altitude conditions.

Because of the value of the metals, and the need for their recovery, undamaged, analyses must be done in a non-destructive manner. Kuykendall's research deals with the use of irradiating the samples, which are placed in a 256-channel analyzer. Information on the amount and type of materials in the sample is fed back to the operator. In turn, this information is put into the high-speed IBM-704 electronic computer at the A&M System's Data Processing Center, and the answer can be typed out in a matter of minutes. The samples are recovered undamaged.

Can Be Traced

Minute amounts of an element can be traced in this manner, applicable at present to 68 of the 92 elements. Kuykendall's programming for this type of calculation covers a range of substances containing as many as 25 elements in combination, and researchers here expect to hit combinations with 35 to 40 elements within the near future.

Analysis for unknowns, using the nuclear training reactor, and the 256-channel analyzer (a \$26,-

000 research aid given to the college by the Robert A. Welch Foundation of Houston), has been following similar techniques that stopped just short of using high-speed computers to make analyses faster and more automatic.

Dr. Richard E. Wainardi, Assistant to the Dean of Engineering, and overall director of Kuykendall's research, says the method developed is unique in its use of high-speed computers, and that it makes for a much faster, more precise method of analysis than heretofore done. "As a matter of fact, the method is so accurate that right now there are very few practical applications. In manufacture of transistors, the method is very important and, the future potential is tremendous."

Paper Being Accepted

"The fact that the American Nuclear Society is accepting Kuykendall's paper for presentation is indication of the importance attached by scientists to more precise activation analysis methods. For a graduate student to present a paper before the American Nuclear Society is like the bat boy hitting the winning home run in the series."

Kuykendall, to accomplish his research studies, also built a spectrometer, which feeds information into the multi-channel analyzer, "...providing better data than that now being reported from other spectrometers."

Kuykendall is the son of Mr. and Mrs. W. E. Kuykendall, 956 North Davis, Sulphur Springs, and a 1954 graduate of Sulphur Springs High School. He received his bachelor's degree in electrical engineering in 1958.

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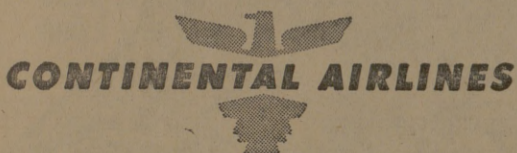
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MSC Summer Slate Released

Summer social activities sponsored by the Memorial Student Center will be greatly improved and expanded, according to Mrs. Rosalie Johnson, MSC Student Program Advisor. The summer program is open to the public.

Three major musical presentations will highlight the summer months. The Gulf Coast Giants of Jazz, a 15-piece band, will perform in the MSC Ballroom at 8 p.m., June 21. "Oklahoma" will be presented in the Grove at 8 p.m. on July 12 and 13, under the direction of Dr. William Turner. Marshall Izen, pianist-humorist who has been featured on both the Ed Sullivan and Steve Allen TV shows, will entertain at 8 p.m., August 2, in the MSC Ballroom.

On Thursday, August 11, author-explorer Neil Douglas will narrate a technicolor film he is currently producing in Europe. Douglas is well known for his documentary film on Russia, said Mrs. Johnson.

To complete the summer calendar, Mrs. Johnson announced that dances will be presented Monday evenings at 8 o'clock throughout the summer. Bands will play for several of these functions to be held on the MSC Terrace.

Movies will be shown in the Grove Monday through Thursday nights and will feature one technicolor film per week. A color-cinemascope movie will be shown each Friday night in the MSC Ballroom.

WANTED!

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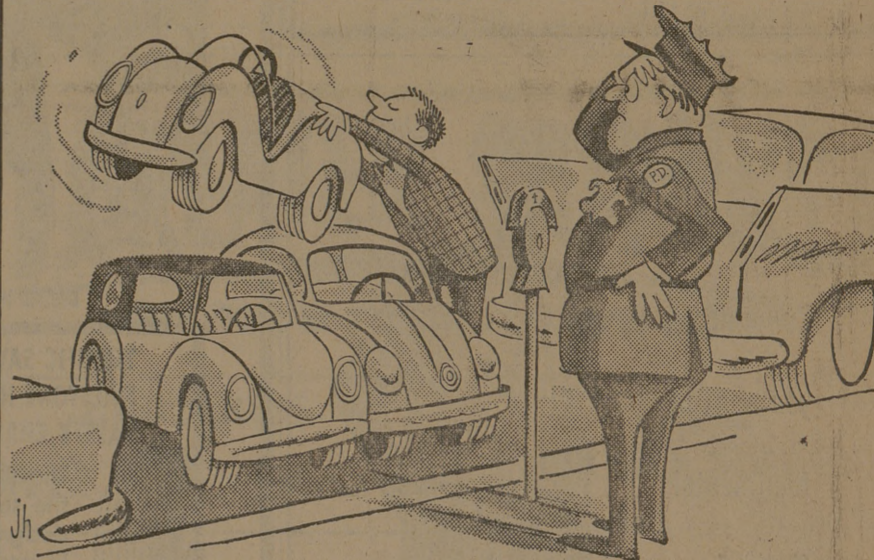
Truval gives you soft, Spring tones in this luxurious cotton and cupioni rayon shirt. The jacquard-like texture is captured in eye-appealing fashion. Add to this, the two pleated pockets, cuffed sleeves and sparkling button decor. Get yours today!

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Do You Think for Yourself?

(PUT THIS QUIZ IN YOUR THINK-TANK AND SEE WHAT DEVELOPS*)



IF YOU HAD to write the advertising for a small car, would you say, (A) "Hard to get into? Man, you don't get into it at all—you put it on!" Or, (B) "You can park it on a dime—in fact, with most meters you can park two on a dime." Or, (C) "Gives you more miles to the gallon because the gauge is set for Imperial gallons."

A ☐ B ☐ C ☐



FOR A NEW frying pan, would you tell customers, (A) "Cooks pancakes in no time flat!" Or, (B) "Made of a new metal that distributes the heat evenly all over." Or, (C) "Folks, it's made by us folks who love to make folks fryin' pans fer good ol' folksy fried mush."

A ☐ B ☐ C ☐



TO ADVERTISE a filter cigarette, would you tell customers, (A) "Pay no attention to the filter, it's the strong taste that counts—and it sure is strong!" Or, (B) "Make up your own mind about what you want in a filter cigarette—then choose the brand that gives it to you." Or, (C) "That weak, thin taste you get tells you our cigarette has a tight, wadded-up filter."

A ☐ B ☐ C ☐



YOU'RE SELLING a trip around the world. Would you say in your ads, (A) "Get into orbit, man!" Or, (B) "See people who look as crazy to you as you do to them." Or, (C) "Go now—Pop will pay later."

A ☐ B ☐ C ☐

Thinking men and women know Viceroy does the job of smoothing the smoke without killing the taste—gives you a scientific filter design for the smooth taste a smoking man wants. Yes, Viceroy is the thinking man's choice. Viceroy Filters... has a smoking man's taste. Find it out for yourself. Try Viceroy!

*If you have picked (B) in these questions—you think for yourself!



THE MAN WHO THINKS FOR HIMSELF USUALLY CHOOSES VICEROY
A Thinking Man's Choice—Viceroy Filters
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