

## For 'Scope' Slides

A & M Prof  
Wants Stains

An A&M research-teacher is working on new microscope slide staining techniques, which if perfected, will mark another important step in cancer research.

The scientist is Dr. Frederick H. Kasten, assistant professor in the Department of Biology.

He is evaluating new reagents for staining tissue to make cancer cell identification easier and faster.

## Attracted Attention

Kasten's work already has attracted attention in the science world. He has had papers recently published in *Histochemie*, a German journal, in December, 1959; *Nature*, a British journal, Dec. 5, 1959; *Stain Technology*,

September, 1959; and in *Experimental Cell Research*, February 1960.

The scientist, who also teaches undergraduate and graduate biology students, divides his research into three main phases. They are: developing new staining techniques, application of these techniques to cancer research and the study of dye impurities in certain biological stains.

The whole object, he says, is early detection of cancer in man. Several doctors and pathologists locally and in Houston are co-operating on the project by providing Kasten with tissue specimens.

Staining of tissues for microscope study is nothing new. Extremely thin sections of specimens are mounted on slides and then dipped in certain dyes. When viewed under the microscope, cells and their parts are seen in color and make identification and study easier and more accurate.

Kasten, however, has found some of his reagents fluoresce. That is, they produce an eerie glow of various colors when examined under a microscope illuminated with ultra-violet light. Only certain parts of a cell will glow, depending on the kind of stain. These reagents are different from those ordinarily used in laboratory work.

He also has found some dyes contain impurities which can interfere with staining reaction.

Associates working with the biologist include technician Vivian Burton and students Norman Aviles of Puerto Rico; David Adams, Sherman; Charles J. Klingman, Amarillo; Johnny Salas, College Station; and Carol Calder of Dallas.

Kasten is conducting his research under grants from the National Cancer Institute, Atomic Energy Commission and the Biological Stain Commission.

Brazos Countians  
Lend Crippled  
Children Support

Eighteen leading residents of Brazos Valley will lend support to crippled children as sponsors of the Brazos County Society for Crippled Children, Mrs. Clarence Kemp, general chairman of the appeal, announced this week.

Sponsoring the work for crippled children by the Brazos County Society for Crippled Children are: Mrs. Bryan Butler, Bryan; Morris Clary, Bryan; Mrs. Clarence Kemp, Bryan; W. R. Mathews, Bryan; Henry McQuaide, M.D., Bryan; Mrs. J. R. Reed, Bryan; Mrs. David Fitch, College Station; Luther Jones, College Station; H. H. Womble, Caldwell; W. Taylor Riedel, College Station; Johnie Schulte, Brenham; Milton Aalen, Hearne; Mrs. W. S. Hoyt, Hearne; W. B. Crossie, Madisonville; Mrs. Marius Hansen, Navasota; Erwin B. Fletcher, Sr., Somerville; William Stolz, Washington; and J. O. Alexander, Jr., Wellborn.



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Architects Slate  
City Planner  
At Talk Here

Reginald R. Isaacs, internationally known architect, city planner and educator, will be the featured speaker in the guest lecture series sponsored by the Division of Architecture next Monday.

He will speak at 4 p.m. in the Biology lecture room at the college. Isaacs is, at present, serving with Charles Dyer Norton, professor of Regional Planning and chairman of the Department of City and Regional Planning at Harvard University. He is also a partner in Associated Consultants, city and regional planners, architects and landscape architects in Cambridge, Mass., and is serving as a consultant to the Puerto Rico Planning Board and the San Juan Planning Commission.

A graduate of the University of Minnesota, with an M.S. degree in architecture from Harvard, Isaacs has served as city planner for the Chicago Plan Commission and the Syracuse Plan Commission, was director of planning for the Michael Reese Hospital in Chicago and director of the Metropolitan Housing and Planning Council of Chicago. He is also a specialist for the U. S. Department of State, International Educational Exchange Service in Central and South America.

Isaacs has lectured at leading colleges and universities throughout the country and is the author of many magazine articles and other publications.

A&M Consolidated  
Plans Folk Opera  
Thursday, Friday

Kurt Weill's "Down in the Valley," an outstanding example of American folk opera, and the patriotic "Ballad for America" will be presented by the A&M Consolidated A Cappella Choir Thursday and Friday in the A&M Consolidated High School Auditorium.

"Double Feature," as the production is entitled, is under the direction of Frank Coulter, director of the 90-voice chorus.

"Down in the Valley" is set in the southern mountain area of the United States at the turn of the century. The characters are all country people, who tell the tragic story of love of Jenny Parson and Brack Weaver.

Many familiar folk tunes are featured in Weill's folk opera, including such favorites as "Down in the Valley," "Sourwood Mountain," "Hop Up, My Ladies," "The Little Black Train" and "Lonesome Dove."

"Ballad for America" sketches the country from the Revolutionary War in 1776 to the Machine Age as historical characters and quotations are interwoven into a modern cantata. A picture is created by a combination of choral parts, solos and choral speech and effects.

Tickets can be obtained at Pruitt's Shop, Loupot's and Jones Pharmacy.

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## Cancer Research

Dr. Frederick H. Kasten, assistant professor in the Department of Biology, works with a specially equipped microscope used in his cancer research project. The scientist is evaluating new reagents for staining tissue to make cancer cell identification easier and faster. Dr. Kasten has found some of his reagents glow eerily when examined under an ultra-violet-illuminated microscope. Only certain parts of a cell glow, depending on the kind of stain. The researcher hopes this characteristic will expedite early cancer detection in man.

Delegates Told Top  
Survival Methods

Interconnection and power supply pooling, generally speaking, are becoming increasingly important to the survival of our small publicly owned electric systems, the fifth Municipal Electric Short School was told Monday.

The speaker, James L. Grahl, is assistant general manager, American Power Assn., Washington, D. C.

## For Managing Personnel

The short school is planned for the managing personnel of the municipal electric system. More than 50 top-flight men of the industry from throughout the United States are attending.

The speaker declared publicly owned electric systems in Texas are performing an invaluable public service as locally owned, locally controlled agencies dedicated to serving the best interests of your communities. It is of great importance that they survive.

Grahl said "obviously, a good deal of progress has been made in the way of interconnection. At least 33 municipal systems and a number of rural co-operatives are interconnected with the Lower Colorado River Authority and

numerous distribution cooperatives are interconnected through the Brazos River Electric Power Co-operative system. In both cases, there is central generation and a transmission grid to provide wholesale supply for the municipal and cooperative systems.

## 'Power Pooling' . . .

"I understand that discussions have been held looking toward power pooling and the joint use of generation capacity among Brazos and a number of municipal systems.

"As a consequence," the speaker declared, "the consumer-owned systems in central Texas have in being a combined transmission grid of considerable dimensions.

"As of 1958, the Authority had 290,000 kilowatts of hydro capacity and the total thermal capacity of the Authority, San Antonio, Brazos, Bryan, Denton and College Station approximately 970,000 kilowatts.

## Generating Capacity

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## Board Enacts Age Amendment

An individual's abilities, mentally and physically, to perform satisfactory service in his particular assignment was the basis for an amendment to the Rules and Regulations of the A&M College System by the Board of Directors effective September 1.

The Minute Order 31-60 stated specifically that an individual's employment within any part of the System is predicated upon his abilities, mentally and physically, to perform satisfactory service in his particular assignment.

## Other Provisions

It also included the following provisions:

(b) Subject to Paragraph a (the one concerning physical and mental condition), at the beginning of the fiscal year following the attainment of the 65th birthday, employees of the System, except those normally employed on less than a full-time monthly basis,

may be placed on a part-time basis, not to exceed two-thirds of their last preceding employment basis, both time and pay.

## Submit Request

(c) An individual desiring to render part-time service shall submit a request, detailing the proposed employment arrangements, through regular administrative channels, to the President or Director concerned. An employee rendering such part-time service shall be paid at a rate commensurate with his abilities and the time devoted to such part-time employment.

(d) No employee shall be retained in an administrative position beyond the fiscal year in which he attains his 65th birthday. Such administrative officers may be retained in other positions of recognized service at a rate commensurate with similar positions and to the time devoted to

such employment, subject to the preceding regulations covering other employees in paragraphs (a) and (b) above.

## None Over 70

(e) It is the policy of the System that no individual be employed beyond the fiscal year in which he attains his 70th birthday.

(f) Part-time employment shall be considered, approved and budgeted in the same manner as other appointments.

(g) The rate of pay for a person approved for part-time service shall not exceed the proportionate annual salary rate for that em-

ployees for the fiscal year immediately preceding that during which part-time service begins. However, the basic salary rate may be adjusted in conformity with any general adjustment of salaries.

(h) These foregoing regulations do not apply to individuals above the previously specified ages who are employed by or through the System for special assignments in other countries.

(i) Any proposed deviations from these regulations shall be submitted through regular administrative channels to the Chancellor of the System and the Board of Directors.

Valley Police School Marks  
First Time Held Off-Campus

When the Rio Grande Valley Police Academy begins June 20 in the A&M College System Agricultural Experiment Station facilities in Weslaco, it will mark the first time the complete four-week Texas Municipal Police School, normally held on the A&M campus, has been offered away from the college according to Wallace D. Beasley, coordinator of police training for the Engineering Extension Service of the A&M College System.

Law enforcement officers from throughout the state will be brought to the Valley to assist in providing police instruction, Beasley declared. The four weeks of basic police training at Weslaco is an extension of the Municipal Police School conducted on campus since 1953, he pointed out, and it will be a permanent school conducted in the Valley several times a year, or as needed.

The school, developed at the request of and in cooperation with chiefs of police, mayors and city managers of the Rio Grande Valley area, will offer economical training for Valley officers, Beasley said. He estimates policemen will be able to attend this area school for the same total cost of sending one officer to the A&M campus school.

Beasley and H. D. Bearden, di-

rector of the Engineering Extension Service, participated in the planning meeting for the school held recently in Edinburg and attended by city officials representing the Valley area. At this meeting an advisory committee was named, with Sidney Jones, chief of police, Weslaco, being appointed committee chairman. Other members of the committee include J. M. Payton, chief of police of Pharr; Marshall Rousseau, chief of police of Harlingen; Jack Reynolds, city manager of Edinburg; V. C. Thompson, city manager of Weslaco; Gus Krause, chief of police of Brownsville; and L. V. Eastin, chief of police of Edinburg.

## HIS KIND OF FUN

PITTSBURGH (AP)—James Pearce, 9, was reported missing from his home in nearby St. Clair Village.

James' mother and father were worried. The neighbors were worried. Searching police were worried.

But all this worry changed to a slight flare of anger and then to laughter when James showed up safe and sound.

He'd been perched in a tree near his home watching the search party until it got too cold and he decided he'd had enough fun.

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## INTERVIEWS AT

TEXAS A. & M.

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