

# Physicists Offer Research Papers

Fourteen members of the Department of Physics will present research papers at the Houston meeting of American Physical Society, Thursday through Saturday, Dr. James G. Potter, professor of physics, said Tuesday.

Each member of the society may present a research paper annually on a project he has been working on. Many of the papers will be published in science magazines.

Papers from A&M will be presented by Dr. Joe S. Ham, Dr. Melvin Eisner, Ronald E. Smith, Dr. Jesse B. Coon, Bernard T. Young, Carl W. Allen, Dr. M. M. Duncan, Robert D. Purrington, William B. Deracio, U. Grant Whitehouse, George W. Kattawar, Dr. H. S. Hans, Robert M. Henson and Ronald F. Kirkpatrick.

# Corning Scientist Slated To Discuss Glass Research

A Corning Glass Works scientist, Dr. Vaughn Culler, with a special interest both in gamma-radiation and in glass, will lecture at 8 p.m. Thursday in the Biological Sciences Lecture Room. He will discuss "Some Topics in Glass Research."

The public has been invited to attend the lecture, co-sponsored by the graduate school and the local chapter of the Sigma Xi.

Culler is chief resident scientist for Corning at Industrial Reactor Laboratories, Inc., in Plainsboro, N.J. A native West Virginian, he attended both Shepherd College and West Virginia University. After military service he received A.B. and M.S. degrees in physics from West Virginia University in 1949. He then spent a year at Argonne National Laboratory before going to Harvard University where he received his Ph. D. in 1957. His thesis was on a study of gamma-rays emitted during high energy proton irradiation of elements.

While at Harvard he was also a research assistant and for a short period a staff member of the M.I.T.-Lincoln Laboratory.

Culler joined Corning Glass Works in 1956.

# Engineers To Hear Washington Man

The School of Engineering faculty and staff Thursday afternoon will hear Dr. Newman Hall of Washington, D.C. He is executive director of the Commission on Engineering Education and earlier was a member of the Yale University faculty. Dean of Engineering Fred J. Benson announced the meeting for 4 p.m. in the Lecture Room of the Chemical Engineering-Geology Building.

# Top 4-H Worker To Become State's Assistant Leader

Miss Margie Sellers, former Cooke County 4-H member and home demonstration agent in Fannin County, will become assistant state 4-H leader on the headquarters staff of the Texas Agricultural Extension Service Friday. She replaces Mrs. Joe Hollingsworth, who recently resigned.

In making the announcement Extension Director John E. Hutchison said Miss Sellers made an outstanding record in Fannin County and in 1961 was awarded one of seven National 4-H Fellowships for advanced study in the U. S. Department of Agriculture's Graduate School and the University of Maryland. She has completed work at the university for an M. S. degree in education.

She was a 4-H member for 10 years in Cooke county and holds one of the State's top records for achievement and leadership.

The new staff member was first employed as a junior assistant extension agent in Collin County during the summer of 1957. She was appointed home demonstration agent for Fannin County on June 1, 1958, where she served until September 1961, when she was granted study leave.

# Student Studies 'Abyssinica Seed'

A graduate student is taking a close look at a little known plant in hopes that its seed will make a valuable new protein source for poultry feeds.

There also is a possibility that oil from the seed will be of use to industry.

The student is Bob Hesketh of Preston, Lancashire, England, who is working on a Master of Science degree in poultry nutrition.

The plant is Crambe abyssinica, a member of the crucifer family and kinfolk to such well known staples as cabbage and brussel sprouts.

Hesketh has found that there is something special about abyssinica seed meal.

First, it packs a big protein content of 40 to 45 per cent, a range which puts it up there with established protein stars like cottonseed meal and soybean meal.

Second, the meal boasts a good balance of essential amino acids, so important in modern poultry feeds.

It is Hesketh's job to conduct extensive poultry feeding tests with the meal to determine if the material is satisfactory in every respect aside from the favorable protein angle.

DR. CARL LYMAN, head of the Department of Biochemistry and Nutrition, and Dr. J. R. Couch of the Department of Poultry Science, are supervising Hesketh's work.

# Dow Chemical Official Urges Ag Students To 'Get In'

A Dow Chemical Co. official has urged agriculture students to take a long look at opportunities in the field of agricultural chemicals.

Hillard Smith, assistant manager of bioproduct sales at Dow in Houston, told Freshman Agricultural Society members Tuesday night that a big future lies ahead in a chemical sales career.

Dow and many other chemical companies are interested in agriculture graduates, he said. Companies are expanding, more products are being developed and salesmen are needed to move those products.

He said that in 1939, national pesticide sales, for example, amounted to \$40 million at the manufacturers level. In 1962, the figure had jumped to \$326 million. By 1975, sales are expected to hit \$1 billion.

Sales of feed additives, Smith

# Grant Awarded 'Photo Bugs' For Research In Dog Disease To Workshop

Dr. C. H. Bridges, Department of Veterinary Pathology, has been awarded a grant of \$180,000 by the National Institutes of Health to continue his studies on hip dysplasia in the dog.

Begun in 1959, the research project will be continued for four more years because of the grant. Bridges and his five-man team will study the metabolism, genetics and morphology of the bones in trying to curb this disease.

Besides Bridges, team members are Dr. William C. Banks, Dr. James B. Henson, Dr. Kenneth R. Pierce and Dr. N. A. McNeil. One member of the group has not been named.

Hip dysplasia is a crippling disease in which the hip joint fails to function properly. Bridges has established "the role of genetics in the development of this defect."

Beginning his work with four dogs, Bridges and his group have established a 165-member dog colony. Only German Shepherds and American Fox Hounds are being used in the test.

Bridges said the group hopes to develop a strain of dogs as completely immune to the disease as breeding will allow.

Students and faculty members interested in photography can take part in the photo workshop round table discussion at 4:45 p.m. Friday in the assembly room on the second floor of the Memorial Student Center.

The discussion and question-and-answer session will be headed by Art Uhlmann, chief photographer for the Houston Chronicle.

Other members of the round table panel will be Ralph Morgan of Eastman Kodak, John Farnham of Ansco, Bob Coffman of Dupont, Jack Ely of Graflex, Inc. and Bob Dickens of Burleigh-Brooks.

Harry Ritter, director of the photo workshop, in issuing the invitation to students, said:

"This is a good chance for both students and faculty members to learn more about photography and to have questions answered by Mr. Uhlmann and the technical representatives of the major photographic companies."

The workshop, a part of the 14th annual Newspaper Mechanical Conference and Photo Workshop, will begin with a shooting session at 2 p.m. Friday. A printing session led by the technical men will be held that evening in the photography laboratory in Nagle Hall.



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**DEGREE FILING DEADLINE SET FOR FEBRUARY 28, 1963**  
Applications for degree (baccalaureate and advanced) are now being accepted in the Registrar's Office from all students who will complete their requirements for graduation by May 26, 1963. Advanced degree candidates must file application with both the Registrar's and the Graduate Dean's Office.  
H. L. Heston  
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