

Physics awarded \$15,400 grant

A \$15,400 National Science Foundation grant for research by college teachers of physics has been awarded to A&M.

Director of the June to August, 1971, project is Dr. Nelson M. Duller, Jr., of the Physics Department.

The award will enable research work for five prospective or college physics teachers. Participants will have a choice of seven projects in the Physics Department on which to work.

Applicants, with at least the master's degree in physics, should write, call or see Dr. Duller, noted C. M. Loyd, NSF programs coordinator.

The project was previously directed by Dr. Joe S. Ham, who will be on sabbatical leave in Holland next summer.

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Environment course offered in spring

A new Texas A&M undergraduate course centered on a here-and-now issue—the environment—will be offered for the first time next spring by the Recreation and Parks Department.

The course, conservation of natural resources (RP 375), will be for three credit hours and meets Tuesdays and Thursdays from 9:30 to 10:45 a.m., Department Head Dr. Leslie M. Reid said.

"It is designed to provide students with a fundamental understanding of conservation and environmental concerns," he indicated.

Prerequisites include junior classification or approval of the instructor.

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Calhoun elected member of Sea Grant committee

Dr. John C. Calhoun of A&M has been elected a member of the executive committee for the newly created Association of Sea Grant Program Institutions.

Dr. Calhoun is A&M's vice president for programs and director of the university's Sea Grant Program.

The new association is composed of representatives from 49 institutions, including most of the nation's leading marine science research centers. Majority of the institutions are receiving Sea

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Bridges president of pathologists group

Dr. Charles H. Bridges, Veterinary Pathology Department head at Texas A&M's College of Veterinary Medicine, was elected 1971 president of the American College of Veterinary Pathologists at the annual meeting in New Orleans this week.

The ACVP is a certification board for the profession specialty. Dr. Bridges was vice president during 1970.

Bridges has been department head for the past 10 years.

Grant Program funds from the National Oceanic and Atmospheric Administration.

The Sea Grant Program is designed to develop the nation's coastal and marine resources.

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Monroe to address Heritage Society

An organizational meeting of the Washington County Heritage Society Tuesday in Brenham will feature Dr. Haskell M. Monroe of A&M.

Monroe, associate professor of history, will speak on "Preserving Local Heritage" at the meeting organized by W. F. Hasskall Jr., M.D., Brenham mayor.

The public-invited meeting will be at 7:30 p.m. in Brenham's South Central Savings and Loan Club Room, he announced.

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Eight veterinarians attend meetings

Eight A&M veterinary medicine faculty members spent the Thanksgiving holidays attending conferences in Chicago and Montreal.

Dr. W. M. Romane and Dr. T. L. Bullard participated in the American Association of Equine Practitioners annual meetings in Montreal. Dr. Romane chairs the Practice and Ethics Committee.

Dr. William L. Sippell and Dr. A. Konrad Eugster, both of the Texas Veterinary Medical Diagnostic Laboratory, were in Chi-

cago Sunday through Tuesday attending the Conference of Research Workers in Animal Diseases.

Dr. W. C. Banks and Dr. E. L. Morris were in Chicago Saturday and Sunday for seminars and meetings of the Annual Conference of Educators of Veterinary Radiologic Science.

Dr. John Ramage participated in the Committee for Standardization of Nomenclature of Reproductive Diseases, sponsored by the U. S. Department of Agriculture in Chicago.

Veterinary Microbiologist Dr. L. C. Grumbles also was in Chicago Monday and Tuesday attending the American College of Veterinary Microbiologist Meeting and the Annual Meeting of the Conference of Research Workers in Animal Diseases.

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Tourism topic of lecture

Donald Greenaway, associate dean of the University of Houston's School of Hotel and Restaurant Management, will discuss tourism in a Wednesday lecture.

The 4 p.m. presentation, part of a visiting lecture series sponsored by A&M's Recreation and Parks Department, is entitled "The Next Three Decades of Tourism—Financial and Political Implications." The meeting will be held in Room 115 of the Recreation and Parks Building.

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Griffiths named to board of new journal

Prof. John F. Griffiths of A&M has been named to the editorial board of a new publication, the "International Journal of Environmental Studies."

Griffiths, meteorology professor and climatology specialist, was assigned responsibility for the atmospheric sciences with 10 other representatives of the U. S. including Profs. H. Bronowski and R. Buckminster Fuller.

The journal began publication in October. It is published by Gordon and Breach Scientific Publishers, with Prof. J. Rose of Blackburn, England, as editor-in-chief.

The journal concentrates on the relationship between man and his environment. It has appeal for social, natural and applied scientists, architects, city planners and other professional people.

Gulf unsuited for waste, Oceanographer theorizes

An A&M University oceanographer takes issue with the popular conception that ocean currents flush the Gulf of Mexico and therefore contends the semi-enclosed body of water is unsuited for water disposal.

Dr. W. E. Pequegnat advanced his theory at the 15th annual "Water for Texas" conference sponsored by A&M's Water Resources Institute.

Pequegnat said it is particularly doubtful that the East Gulf Loop Current — though by some authorities to carry enough water to refill the gulf basin in about 30 months — has any significant effect on circulation along the gulf's western continental shelf.

"It is on these same shelves that man carries on his competitive research for oil and seafood and finds a milieu for recreation and a silent receptacle for the wastes that keep his cities clean and his harbors deep," the professor said.

He pointed out the Gulf of Mexico collects runoff, with its loads of sediments and pollutants, from Montana to New York and Veracruz to Cuba.

While Dr. Pequegnat predicts that gulf dumping will increase, he said that even if it were stopped abruptly this year, it would be at least 1985 before certain contaminants, such as DDT, would be rendered innocuous.

Earlier in the conference, two other professors discussed the effects of water development on ecology of bays, estuaries and river systems.

Dr. B. J. Copeland, zoology professor at North Carolina State University, emphasized the characteristics of coastal streams and the ecology of bays and estuaries are "intimately interrelated."

He said water development at upstream sites usually results in changes of quality and quantity of downstream water.

Dr. William J. Clark, A&M biology and wildlife science professor, told conference participants that the hydrological cycle — the sequence of evaporation, precipitation and runoff — is one of the most powerful forces shaping the surface of the planet.

"The natural course of events

of this cycle in our river systems," Clark reminded, "is an alternation of high water or flood and low water or interflow."

He said, however, that the magnitude and timing of river flow is "not compatible with many of man's activities."

"Two of the basic purposes of water development," Clark noted, "have been to reduce maximum flows to alleviate flood problems and to store water for later release to give higher sustained flow."

"Impoundments built to accomplish these ends drastically modify the long established regimen," he continued. "Migration is blocked, silt and nutrients are intercepted, the flood plain no longer has an annual increment of water and nutrients and the physical and chemical nature of the water is changed for some distance below the dam."

"If we are to make really competent decision," the professor concluded, "the short-term and long-term ecological consequences of our river basin developments must be understood."

Marine Corps recruiters here

Three Marine Corps officers will visit A&M this week to explain commissioning programs to interested students.

The team headed by Capt. R. E. Crane of Austin will operate an information booth in the Memorial Student Center Wednesday through Friday.

Crane will be joined by Capt. Bill Rice, also of the Corps' Austin office, and Capt. Gene Hughes of the district office in New Orleans.

The trio also will participate in a meeting of the A&M chapter of the Semper Fidelis Society at 7:30 p. m. Wednesday in Room 146 of the Physics Building.

Guest speaker for the open meeting will be 1st Lt. Michael Coe, who will discuss his experiences as an infantry officer in Vietnam and present a slide presentation. Coe is currently completing his degree requirements here.

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OFFICIAL NOTICE

Official notices must arrive in the Office of Student Publications before deadline of 1 p.m. of the day preceding publication.

At 8:00 a. m., Thursday, December 10, there will be posted in the foyer of the Richard Coke Building, a list of those mid-year candidates who have completed all academic requirements for degrees to be conferred December 12, 1970. Each candidate is urged to consult the list to determine his status.

B. A. Lacey, Registrar 5048

THE GRADUATE COLLEGE Final Examination for the Doctoral Degree Name: Imada, Hitoshi Degree: Ph.D. in Physics

Dissertation: MEASUREMENTS OF SEVERAL NUCLEAR LIFETIMES BY THE RESONANCE FLUORESCENCE METHOD. Time: December 1, 1970 at 2:00 p. m. Place: Conference Room in the Cyclotron Institute

George W. Kunze Dean of the Graduate College

THE GRADUATE COLLEGE Final Examination for the Doctoral Degree Name: Conte, Fred S. Degree: Ph.D. in Zoology

Dissertation: ECOLOGICAL ASPECTS OF SELECTED CRUSTACEA OF TWO MARSH EMBAYMENTS ON THE TEXAS COAST. Time: December 7, 1970 at 9:00 a. m. Place: Room 813-B in Biological Sciences Bldg. George W. Kunze Dean of the Graduate College

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