

Campus Briefs

Federal Tests Set For Jan. 18

Federal service management internship tests will be given Jan. 18, announced Placement Director Wendell R. Horsley.

Leading to junior executive positions in the federal government, internship examination passage qualifies candidates for special training. Most management intern positions are in the Washington, D. C., area with some opportunities available in other parts of the country.

A general test of verbal abilities and quantitative reasoning requiring 2½ hours will be administered in the Placement Office, followed by a two-hour intern exam on administrative problems and public affairs. Test prerequisites require completion or expected completion within nine months of a four-year course leading to a bachelor degree.

Candidates passing written tests in January will be interviewed during the week of April 10, 1967, Horsley noted.

Applications and further information may be obtained at the Placement Office on the third floor of the YMCA.

Study Of Parasite Continues With Grant

Study of a parasite causing heavy loss of oysters from Mexico to Delaware will be continued by Dr. John G. Mackin under a \$13,344 Department of Health, Education and Welfare grant.

The third-year grant is for "Studies on the Development of Dermocystidium Marinum," a parasite first described by Mackin in 1950.

Dermocystidium marinum causes 50 to 60 per cent mortality of marketable oysters in the Gulf of Mexico area, Mackin said. The parasite is unusual "from the viewpoint of its relationship in the scheme of things," he said. Primary investigation is laboratory study of understanding the relationship.

Mackin and Dr. Sammy M. Ray, director of A&M's Marine Laboratory in Galveston, are co-principal investigators. Two graduate student assistants are involved in the studies.

Engineering College To Receive ETV

Educational television will spread to the College of Engineering this fall.

Four Department of Engineering Graphics classrooms are being equipped this week with television units.

"We can seat 170 students in engineering graphics classrooms," said Dr. James Earle, associate professor of engineering graphics. "The installation of educational television permits us to bring new material into the classroom. Experiments and shop processes can be shown without the necessity of field trips," he pointed out.

Earle emphasized the addition of television is not to replace teachers, but to strengthen their capabilities. Tapes, films and live coverage will be used in classrooms.

Some of the programs will originate in the Engineering Building, others at the Educational TV Center, headed by Dr. Lee J. Martin.

Geyer To Help With Symposium

Dr. Richard A. Geyer helps stage a first Marine Geodesy Symposium at Columbus, Ohio, Sept. 28-30.

The Department of Oceanography head chairs one of six sessions for the Battelle Memorial Institute and U. S. Coast and Geodetic Survey sponsored conference.

About 500 scientists from the U. S., Finland Austria and

Hawaii will cover a broad cross section of topics on legal, scientific and technical aspects of marine geodesy.

Papers on continental shelf activities and developments, mapping, geological environment and economic motivation for oil and mineral exploration will be presented in the Geyer-chaired sixth session.

Closing address of the three-day symposium will be given by Dr. G. P. Woollard, director of the Hawaii Institute of Geophysics with whom Geyer worked at the Woods Hole Oceanographic Institute during World War II.

Meetings will be held in the Battelle Institute of Columbus Laboratories.

Library Official To Serve In Peru

Rupert C. Woodward, associate library director, will consult with library officials of the National Engineering University in Lima, Peru, this fall.

Under a Ford Foundation consultants program, he will advise the Peruvian university on strengthening its library and assist in identifying promising staff members for library science training abroad. Woodward will be in Peru from Sept. 19 to Oct. 31.

The consultants program is part of a NEU assistance program sponsored by the Mid-American States Universities Association. The program includes another visit of similar duration before Sept. 1, 1967.

Woodward, of Statesboro, Ga., served as a librarian in Guatemala, Brazil and Costa Rica in a U. S. State Department program in the 1950s and has special interest in Latin American bibliography.

Yao Joins Chemistry Staff

Dr. Shang-Jeong Yao has joined the Department of Chemistry as a Robert A. Welch Foundation Postdoctoral Research Fellow.

He recently received his Ph.D. in theoretical spectroscopy at the University of Minnesota. The physical chemist will collaborate with Prof. Bruno Zwolinski in theoretical studies of a non-equilibrium hypothesis for adiabatic and non-adiabatic chemical rate processes.

New Book Out For EG Students

The Department of Engineering Graphics has published a new book for beginning engineering graphics students.

The 80-page book is published by Addison, Wesley Publishing Company of Reading, Mass. It includes problems to be solved individually, comprehensive design problems for team projects, and written reports.

Staff contributors include James Earle, Sam Cleland, John Oliver, Lawrence Stark, Paul Mason, North Bardell Jr. and Michael Guerard.

Earle said the staff will prepare a new book annually for each course in order to remain current with all engineering applications. Emphasis is on design in engineering creativity, he noted.

Humanistic Research Confab Slated Here

The first Computer Humanistic Research Conference in the Southwest will be held here Nov. 17-18.

The IBM-financed session will be sponsored by the College of Liberal Arts and A&M's Center for Computer Research in the Humanities.

Similar previous conferences have been held only at Yale, Boston, Washington, UCLA and Purdue.

About 300 participants are expected. (See Briefs, page 6)

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Oysters Make Marine Biologist Sammy Run

Oysters make Sammy run.

Sammy is Dr. Sammy Ray, director of the Texas A&M Marine Laboratory at Galveston. He's kept on the run by the myriad of activities evolving from diseases of oysters and fish.

Dermocystidium marinum, cycloheximide, chloromycetin and penicillin are common words to Ray, who searches daily for keys to diseases which cause millions of dollars damage annually to oyster and fish industries.

The first tongue-twister mentioned is a fungus organism which ranks among major enemies of oysters. Two years of research has produced some suc-

cess in prolonging the life of infected oysters in a laboratory environment.

Ray plans to publish three technical papers about his research progress in the near future.

"We hoped to find a chemical to completely wipe out the organism in the laboratory," Ray explained. "But this is yet to be done. By using cycloheximide, we have been able to inhibit growth of the organism. It appears, however, that the treatment would have to be continuous.

"Seeking disease-free oysters, we imported some from Virginia and South Carolina only to find that they have other diseases," he continued. "The cycloheximide

solution does not affect their diseases."

Ray said costs of the drug would be prohibitive even if dosage was as small as one part per million. He noted, however, that cycloheximide is available in technical grades.

Other research interests of Ray include Red Tide organisms. The toxic dinoflagellates, small plant-like animals, produce poisons which kill many fish off the West Coast of Florida.

Since the Gulf of Mexico does not suffer the Red Tide problem, Ray feels the Gulf holds some answers to the problem.

Assisting Ray in the research is Dr. Bill Wilson, formerly on

the Florida State University staff. Wilson is credited with development of numerous delicate cultures used as research media in the laboratory.

Wilson recently joined the staff and Dr. David Aldrich of Texas A&M this fall will become a co-principal investigator in probing mysteries of the phenomenon.


In the first two years of the Red Tide study, Ray determined that the toxic dinoflagellates are poisonous to baby chickens.

With Wilson and Aldrich, Ray also will study another Red Tide organism, gonyaulax monilata. The organism closely resembles two other Red Tide organisms which cause shellfish poisoning

on the West Coast and Northeast Coast of North America.

"People become sick after eating oysters, clams and scollops that have fed on these organisms," Ray pointed out. "The oysters, clams and scollops are not damaged by the organisms. There is some interest in the Red Tide organism at this laboratory, but early evidence indicates it is not a public health hazard.

Research at the A&M Marine Laboratory is largely financed by the U. S. Public Health Service. Oyster studies by Ray and Dr. John B. Mackin, Department of Biology head, at A&M, received about \$30,000 PHC support each year. Red Tide studies also draw approximately \$30,000 annually.



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