

Some specific openings now available

Communication Specialists

Execution of RF tracking and communication system projects.

Radio Research Engineers

Design of advanced RF transmitter/receiver

Antenna Specialists

Analysis, design and evaluation of giant Antenna Structures and Servo Systems.

Research Scientists

Digital data and control system analysis and synthesis.

Mathematicians or Communication System Analysts Analog and Digital system analysis. Noise, coding, information theory. Linear and non-linear filter theory.

Several openings also exist for supervisors of Research and Advanced Development Projects performed by industry for JPL.

Send complete qualification resume now for immediate consideration

CALIFORNIA INSTITUTE OF TECHNOLOGY



Unusual Opportunity for

PHYSICIST in NMR research

The expanding Ridgefield Instrument Group, a division of the Schlumberger Corporation, has a creative opening for an MS or Ph.D in Physics.

Your background must include experience in design and construction of electronic equipment.

At RIG, you will carry out research on the application of NMR and electron spin resonance techniques to industrial and scientific measurements. You also will be responsible for design of specialized NMR and ESR equipment for industrial application, with assistance of circuit specialists.



The University of Pennsylvania has received a grant of \$1 041 000 from the National Science Foundation for the purchase of a 12-Mev tandem Van de Graaff accelerator for use in low-energy nuclear research. The machine will be under the direction of William E. Stevens, professor of physics at the University, and will be available for use by researchers from neighboring institutions. It will be located on the Pennsylvania campus, adjacent to the Physical Sciences Building at 33rd and Walnut Streets in Philadelphia.

The grant is the largest ever to be awarded for research under NSF's physics program, and is part of more than \$6.4 million granted by that program during the 1960 fiscal year. (By way of comparison, the overall total in 1959 was \$5 509 000 for research grants under the Foundation's physics program; in 1958 the figure was \$2 139 200.)

Oak Ridge Institute of Nuclear Studies admitted its thirty-eighth sponsoring institution. Texas Woman's University of Denton, Tex., at its annual council meeting in October. Robert T. Lagemann of Vanderbilt University continues as chairman of the Council, Eric Rodgers of the University of Alabama was elected to the one-year post of vice chairman, and the following were elected to the Institute's Board of Directors: Paul M. Gross of Duke University, Ronald Bamford of the University of Maryland, H. Stephen Weens of the Emory University Medical School, Jesse W. Beams of the University of Virginia, and Russell S. Poor of the University of Florida. The Board re-elected Dr. Gross as president of the Institute, Louis A. Pardue of Virginia Polytechnic Institute as vice president, and William G. Pollard (executive director of ORINS) as treasurer. The Institute, a nonprofit educational corporation of southern colleges and universities, was established in 1946, with fourteen sponsoring institutions. The primary concern of ORINS is the operation and administration of educational, research, and teaching programs under direct contract with the US Atomic Energy Commission.

Hydromechanics research projects considered of importance to the Navy are conducted annually by nongovernment laboratories under a financial support program maintained by the Bureau of Ships. The program, which is technically administered by the David Taylor Model Basin, is formulated in the early part of the calendar year and the next deadline for submitting proposals is the middle of March. Areas of interest are resistance, propulsion, stability, control, seakeeping characteristics, noise radiation, and special problems of all types of water-borne craft.

Proposals for contract research under the program should be submitted in quadruplicate by March 15 to the Commanding Officer and Director, David Taylor Model Basin, Washington 7, D. C. (Attention: Code 513); requests for additional information about the program and the form to be followed in preparing proposals should be sent to the same address.