

Physicists

Allis-Chalmers Research Laboratories

Ph.D. physicists to initiate fundamental experimental research projects in ferro-magnetism, defect solid state, physics of ultra-high pressures, high temperature solid state reactions, molecular structure, and dielectrics. All the above research on civilian, company supported projects.

For further details write to:

M. C. Rohm
Employment Section
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Milwaukee 1, Wisconsin

r & d talent in solid state physics

Physicist with Ph.D. or equivalent training to spark effort in expanding solid state physics program, including semi-conductors and metals. Requires experienced man to exploit know-how and ideas in the development of new materials and applications, as well as new techniques for instrumentation. Technically challenging opportunity to expand entire solid state activity where results of own concerted efforts may be enjoyed through personal reward.

Please send detailed resume of experience, academic training, professional references, age, salary requirements to Mr. C. H. Weissenstein, Director, Technical Personnel Recruitment.

ATLANTIC RESEARCH CORPORATION

Alexandria, Virginia

In the Washington, D.C. Metropolitan area

Meetings

Gordon Research Conferences

THE Gordon Research Conferences for 1958 will be held from June 9 to August 29 with three parallel series of 12 conferences each scheduled at Colby Junior College, New London, N. H., New Hampton School, New Hampton, N. H., and Kimball Union Academy, Meriden, N. H. The purpose of the conferences is to stimulate research in universities, research foundations, and industrial laboratories through free and informal exchange of ideas among persons actively interested in the subjects under discussion. The format of the meetings, which consist of scheduled lectures and discussion groups, is informal. Meetings are held in the morning and in the evening, Monday through Friday (with the exception of Friday evening), and the afternoons are left free for general socializing and unscheduled discussion. Although many of the conferences listed below are oriented towards chemistry and the biological and medical sciences, a substantial number are likely to be of interest to physicists.

Kimball Union Academy

Nuclear Chemistry (June 23-27), includes nuclear spectroscopy, Coulomb excitation, photonuclear and heavy-ion reactions, and techniques of nuclear chemistry.

Solid-State Studies in Ceramics (June 30-July 4), includes high-temperature and high-pressure phenomena, diffusion and sintering, creep, and electrical conductivity.

Chemistry and Physics of Isotopes (July 7-11), includes theory and applications of kinetic isotope effects and abundance and separation of isotopes.

High-Pressure Research (July 28-August 1), includes high-pressure synthesis; measurement, correlation, and utilization of PVT data; solid state; optical properties of solids and gases; geophysics; molecular physics; and geochemistry.

Chemistry and Physics of Metals (August 11-15), includes electronic structure, specific band determinations, liquid metals, transport and elastic properties of metals and alloys, point defects and electronic properties, and recent progress in photoelectric emission.

Glass (August 25-29), covers physiochemical aspects including transport phenomena, thermodynamic considerations, etc.

Also included in the Kimball program are conferences on: Lipide Metabolism (June 9-13), Cell Structure and Metabolism (June 16-20), Chemistry, Physiology, and Structure of Bones and Teeth (July 14-18), Chemistry at Interfaces (July 21-25), Toxicology and Safety Evaluations (August 4-8), and Infrared Spectroscopy (August 18-22).

Colby Junior College

Corrosion (July 14-18), includes nature of metal surfaces, adsorption studies, oxides, and passivity mechanisms.

ANNOUNCEMENT

Every year a few openings for well qualified physical scientists and mathematicians occur in our long-established, but still growing, operations research organization, the oldest in the United States.

To fill these openings we consider the applications of large numbers of candidates at the Ph.D. and M.A. level, and interview many of them. Considerable effort is also made to encourage applications from other men with the kinds of background and personality we most need.

Most of the applicants we consider are able, conscientious, and educationally well qualified. Only a few, however—too few—have the combination of outstanding technical competence, originality, boldness, and drive, which we especially need. Many are looking for positions in which they will be wholly engaged in predictable activities closely related to what they have done before rather than for novelty and for new opportunity and adventure. Some lack confidence in themselves, and are excessively concerned with stability and security.

Those few who meet our requirements are offered excellent, but not extravagant, salaries, a stimulating environment and associates, and tenure if outstandingly successful. Stability of location is not guaranteed; occasional overseas and domestic travel, which the right men will regard as an opportunity and an adventure, is required. Above all, we offer the opportunity to contribute to the solution of practical problems of the greatest importance. To those who succeed we also offer frequent and substantial promotion.

Applications are invited from those interested in joining this select group and who meet our exacting requirements. Those stated below constitute bare minima:

- Masters or Ph.D. Degree, or equivalent pertinent experience
- Superior academic accomplishment
- Ability to work with others
- U. S. Citizenship
- Ages 25-45

**PLEASE WRITE TO:
POST OFFICE BOX 2176
POTOMAC STATION
ALEXANDRIA, VIRGINIA**

PLACEMENT SERVICE REGISTER OF THE AMERICAN INSTITUTE OF PHYSICS

to be held in connection with the

American Physical Society Meeting

May 1 and 2, 1958

The Shoreham, Washington, D. C.

LOOKING FOR PHYSICISTS?

Universities, institutions, government laboratories, and companies wishing to post notices of positions may send descriptions of the openings on 8½ x 11 paper in multiple copies (*15 required*) to the Institute office, or post them on arrival at the meeting. If you plan to have a representative present, to interview applicants, please indicate his name at the bottom of the job description sheets.

SEEKING A NEW POSITION?

Applicants may obtain registration forms and further information from the Institute office. *Pre-registration is essential.* Complete registration forms must be received at the Institute office by April 21, 1958 to insure their inclusion at this register.

INTERVIEWS.

It is to the advantage of the registrants to be present. Interviews will be arranged between employers' representatives and applicants attending the meeting.

COMPLETE REGISTER of applicants will be available upon request at the meeting and after the meeting at a nominal service charge.

PLEASE REPORT TO THE PLACEMENT OFFICE UPON ARRIVAL AT THE MEETING

AMERICAN INSTITUTE OF PHYSICS, 335 East 45 Street, New York 17, N. Y.

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POSITIONS OPEN

UNIVERSITY FACULTY POSITIONS

Openings in September, 1958, for Assistant or Associate Professors to teach graduate and undergraduate courses and carry on research in Nuclear Physics or Electron Physics. Ph.D. required; salary dependent on qualifications. Apply to Chairman, Department of Physics, Fordham University, New York, 58, N. Y.

SENIOR PHYSICIST PhD

Gas physics or Electron
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Instrumentation (July 28–August 1), includes image tubes, electron beam dosimetry, masers, solions, mass spectrometry, analog computers, and discussions on instrumentation techniques and new instruments.

Other conferences at Colby will include: Petroleum (June 9–13), Separation and Purification (June 16–20), Catalysis (June 23–27), Polymers (June 30–July 4), Textiles (July 7–11), Vitamins and Metabolism (July 21–25), Elastomers (August 4–8), Food and Nutrition (August 11–15), Medicinal Chemistry (August 18–22), Cancer (August 25–29).

New Hampton School

Physical Metallurgy (June 9–13), includes special techniques, dislocation studies, precipitation and 2nd phases, deformation and fracture, and oxidation and corrosion. Magnetic Resonance (June 30–July 4), includes high resolution NMR and allied instrumentation, nuclear magnetic relaxation, and studies involving free radicals and solids.

Also scheduled at New Hampton School are conferences on: Proteins and Nucleic Acids (June 16–20), Coal (June 23–27), Organic Coatings (July 7–11), Organic Reactions and Processes (July 14–18), Statistics in Chemistry and Chemical Engineering (July 21–25), Steroids and Related Natural Products (July 28–August 1), Radiation Chemistry (August 4–8), Analytical Chemistry (August 11–15), Inorganic Chemistry (August 18–22), and Chemistry of Adhesion (August 25–29).

Attendance at each conference will be limited to approximately 100 persons, and applications to attend a particular conference should be submitted at least two months prior to the date of the meeting. Requests for the required application forms or for additional information should be addressed to the director of the Gordon Research Conferences, W. George Parks, Department of Chemistry, University of Rhode Island, Kingston, R. I. (From June 9 to August 29 communications to Dr. Parks should be addressed to Colby Junior College, New London, N. H.)

Peaceful Uses of Atomic Energy

AUSTRALIAN universities, industries, and government departments, including the Australian Atomic Energy Commission, are cooperating in the sponsorship and planning of a symposium on the peaceful uses of atomic energy which is to be held June 2–6 in Sydney. The technical program will include scientific papers presented by contributors from Australia and abroad, with emphasis placed on the role that atomic energy is expected to play in the future development of Australia. Requests for other details should be directed to the General Secretary of the Symposium, AAEC Research Establishment, Private Mail Bag, Sutherland, New South Wales, Australia.

College Physicists Colloquium

LECTURES by prominent physicists on developments in contemporary physics and round-table discussions on the teaching of physics and other current problems of the physics-teaching profession will comprise the program for the Twentieth Annual Colloquium of College Physicists and the Associated June