

Materials	
Research	
Scientists	

STL offers opportunities for Scientists and Research Engineers with advanced degrees who desire an environment that stimulates independent research in the field of solid state physics, radiation damage, mechanical properties, high temperature materials, high vacuum techniques and optical properties.

These challenging assignments are with a newly created group of scientists in the materials field. Selected applicants will be invited to follow their independent interests in the field of Materials Research.

STL is an expanding organization with a professional staff of more than 1,700 scientists and engineers engaged in advanced space and missile programs.

Resumes directed to Dr. R. C. Potter, Manager of Professional Placement, will be treated in confidence and will receive immediate attention.

SPACE TECHNOLOGY LABORATORIES, INC.



a subsidiary of Thompson Ramo Wooldridge Inc.
P.O. Box 95005W, Los Angeles 45, California



PROJECT MANAGERS

Applications are invited for three project manager positions in the Physics Research Laboratory at the new Fiberglas Technical Center in Granville, Ohio. Applicants should be 25 to 35 years old, have a Ph.D. degree or equivalent, and should have research experience.

Fiber Strand Properties Project . . .

to determine how the physical properties of multifiber strands are affected by strand construction, filament properties, chemical and thermal treatments and mechanical processing in order to obtain optimum use of properties in a wide variety of product applications.

Electronic Research Project . . .

to determine, evaluate and develop new applications of Fiberglas materials for the electronic industry. Available scientific data indicate that Fiberglas materials alone, and also composited with other materials, provide a wide range of electrical properties with potential for application in a broad variety of products.

Nuclear Applications Project . . .

to investigate, evaluate and develop applications of Fiberglas materials in the nuclear industry. Data indicate that glass fibers offer the potential advantages in nuclear fuel design of dimensional stability, entrapment of fission fragments and simplification of fuel processing.

Persons interested should send a brief resume of education and experience to:

Dr. G. R. Machlan, Manager, Physics Research
Owens-Corning Fiberglas Technical Center
Granville, Ohio

provide for circulation of its meeting announcements, *Newsletter*, etc. Persons interested in participating should write to the membership chairman, Mr. H. B. Ellis, 937 Inverness Drive, Pasadena 3, Calif.

Organic Semiconductors

REPORTS of work being done on organic semiconductor at various laboratories throughout the United States will be presented at a conference to be held April 18 and 19 at the Morrison Hotel in Chicago. It will be cosponsored by Armour Research Foundation and *Electronics* magazine. Plans for the conference were formulated by James J. Brophy, assistant director of physics research at ARF, and W. W. McDonald, editor of *Electronics*, who will serve as cochairmen. John W. Buttrey, supervisor of solid-state physics at ARF, is the program chairman.

The program will include discussions of organic semiconductor physics and devices, molecular crystals, charge transfer complexes, pyrolyzed polymers, photoconductivity, electrical and thermal transport, and surface and contact effects. Inquiries concerning the conference should be sent to Dr. Brophy at the Armour Research Foundation, 10 W. 35th St., Chicago 16, Ill.

Telemetry

SCIENCE and Education in Telemetry is the theme of the 1961 National Telemetering Conference, which is scheduled to take place May 22-24 at the Sheraton Towers Hotel in Chicago. This annual symposium is designed to bring together representatives of industry, education, and government to discuss new developments and techniques concerning practice and theory of telemetry, and to view the latest commercially available equipment. It is sponsored by the American Institute of Electrical Engineers, the American Rocket Society, the Institute of the Aerospace Sciences, the Institute of Radio Engineers, and the Instrument Society of America.

The tentative program includes fifteen sessions on the following topics: a workshop on telemetry standards, transducers, advanced system techniques, data processing and presentation, signal conditioning, biomedical telemetering, environmental measurements, a workshop on telemetry education in the 60's, reliability, PCM systems, underwater measurements, RF components and techniques, flight test data systems, transistorization progress, and industrial data transmission.

Correspondence with regard to the NTC program should be directed to the program chairman, Mr. Jack Becker, Dept. 32-29, AC Spark Plug Division, General Motors Corporation, Milwaukee 1, Wisc.

Vacuum Metallurgy

FEBRUARY 15 is the deadline for submission of two-page summaries on new research and advanced engineering information to be presented before the fifth annual Conference on Vacuum Metallurgy. The conference will be held June 26-27 at the University Heights