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of the mechanical behavior, theory, and use of materials which lie between linear elastic solids and Newtonian viscous liquids. Non-Newtonian viscous flow, the elasticity of finite deformations, and viscoelasticity will be considered.

Further information and applications can be obtained from A. J. Maruca, 128 Pyne Administration Building, Princeton, N. J.

The Physics Department of Southern Missionary College at Collegedale, Tenn., will offer a course in industrial spectroscopy from August 8 to 22. Intended for persons interested in the design and operation of spectrographic laboratories, the instruction will be on the level of an undergraduate course. Applications (including a statement of background, qualifications, and interest, together with a photograph of the applicant) should be sent by July 1 to Dr. Ray Hefferlin, Physics Department, Southern Missionary College, Collegedale, Tenn.

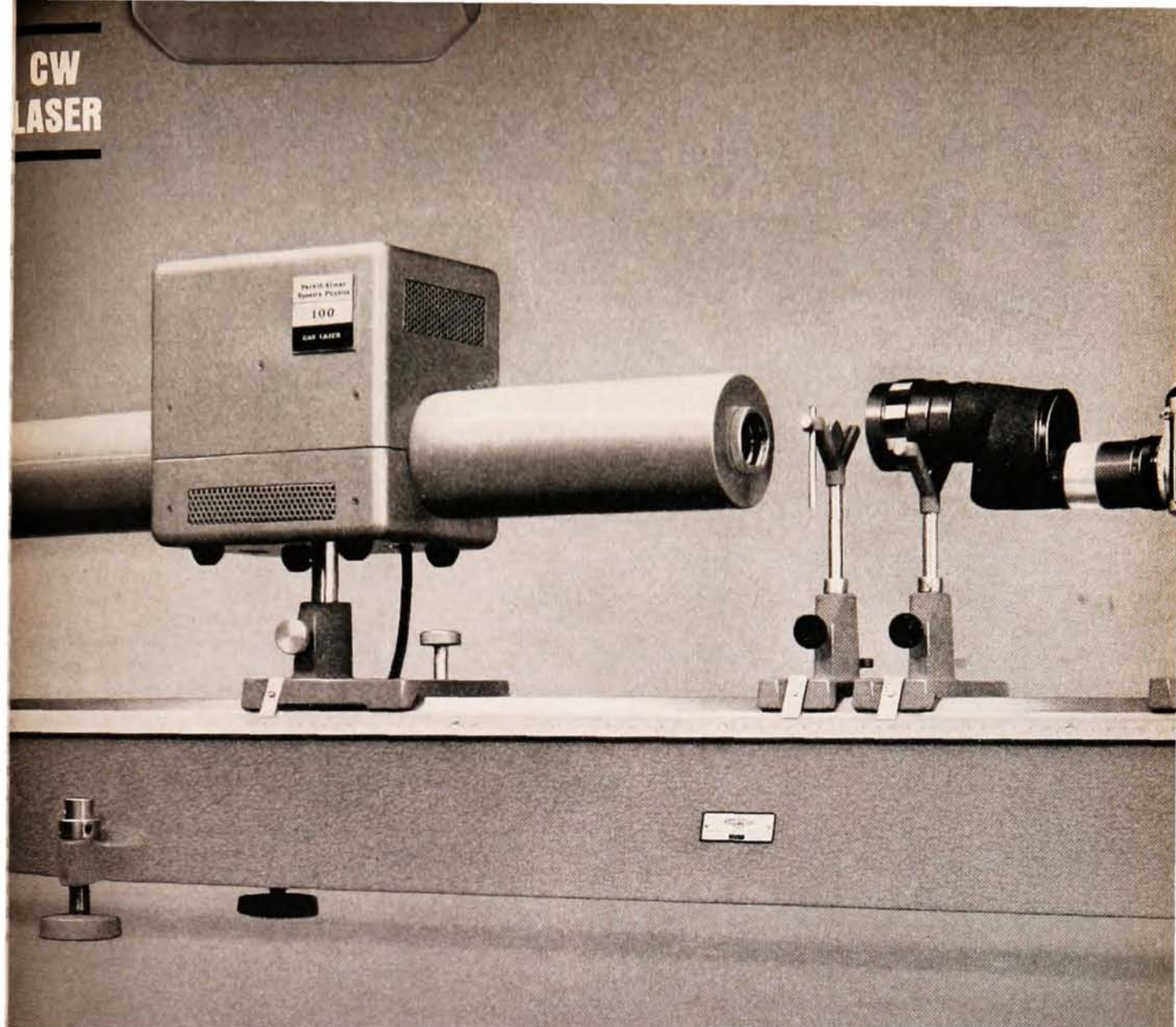
The Uppsala Quantum Chemistry Group, in collaboration with the University of Florida's Quantum Theory Project, will sponsor an international summer institute in quantum chemistry and solid-state physics which will mainly be devoted to the application of quantum theory to the electronic structure of molecules. The institute will be held in Sweden from July 29 to September 1 and will consist of a course presented at the University of Uppsala, followed by a symposium to be held during the last week at Rättvik on Lake Siljan, a Swedish resort some 120 miles northwest of Uppsala. Inquiries concerning this year's program should be sent to the Director of the Summer Institute, Quantum Chemistry Group, Rundelsgränd 2A, Uppsala, Sweden.

Fellowships and Grants

The National Science Foundation will award individual grants to defray partial travel expenses for a limited number of American scientists attending the International Symposium on Stratospheric and Mesospheric Circulation, to be held in Berlin, Germany, August 20-31, 1962. Each grant will approximate the fare for round-trip tourist travel by jet plane between Berlin and the recipient's home institution. Completed application forms for these grants must be submitted by July 15. Application forms and further information can be obtained from the Division of Mathematical, Physical, and Engineering Sciences, National Science Foundation, Washington 25, D. C.

The National Aeronautics and Space Administration will begin this fall to support about 100 predoctoral students at ten universities in an effort to increase the supply of scientists and engineers for the national space effort. Students chosen will receive stipends of \$2400 per year for twelve months' study and expense allowances up to \$1000 a year. The participating universities will be reimbursed for tuition, fees, and other ex-

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penses. The grants will be made for a year at a time and will be renewable. However, the normal duration of the program is three years, and one of the criteria applied in selecting students is their potential ability to complete the PhD in that time. In all but exceptional cases, recipients will be citizens of the United States.

Participating universities for the first year include Rensselaer Polytechnic Institute, University of Maryland, Georgia Institute of Technology, University of Michigan, University of Chicago, University of Minnesota, State University of Iowa, Texas Agricultural and Mechanical College, Rice University, and the University of California at Los Angeles. The program will be administered by the Office of Grants and Research Contracts, Office of Space Sciences, Code SC, National Aeronautics and Space Administration, Washington 25, D. C.

A total of 49 North Atlantic Treaty Organization postdoctoral fellowships in science have been awarded to US scientists for study abroad during the coming year, according to a recent announcement by the National Science Foundation, which administers the NATO fellowship program for US citizens and nationals at the request of the Department of State. The program was instituted by NATO in 1959 in the belief that full development of science and technology is essential to the culture, economy, strength, and welfare of the Atlantic community. Designed to encourage postdoctoral study abroad, the program also enables outstanding scientists from other NATO countries to come to the United States for further training.

Of the awards to US fellows, 15 are in the life sciences, 33 in the physical sciences (eleven of which were awarded for study in physics), and one in the social sciences. Fellows will attend institutions in Australia, Belgium, France, the Federal Republic of Germany, Iceland, Israel, Italy, Sweden, Switzerland, and the United Kingdom.

The National Science Foundation has also announced the award of 185 fellowships under its own postdoctoral fellowship program. These awards provide stipends of \$5000 plus dependency and limited travel allowances to enable fellows to study or carry on research at 31 institutions in the United States and at 48 foreign institutions. Thirty-five of the awards are for postdoctoral work in physics.

Atomic Energy Commission fellowships for graduate study during 1962-63 have been awarded to 220 students from 34 states and Puerto Rico. The AEC Special Fellowships in Nuclear Science and Engineering are designed to aid outstanding students who are working for graduate degrees in nuclear fields. Administered for the Commission by the Oak Ridge Institute of Nuclear Studies, each of the fellowships is awarded for one year and may be used at one of 57 designated universities in the United States.