

mathematical physicist

Schlumberger Well Surveying Corporation maintains a program of long-range industrial research projects at its Research Laboratory in Ridgefield, Connecticut.

The program includes such scientific fields as nuclear magnetic resonance, electromagnetic theory, nuclear physics, electronic systems, physical chemistry, wave propagation, data processing, sonics and fluid flow in porous media.

In order to implement our diversified program we have an opening for a Mathematical Physicist with a Ph.D. in physics, applied mathematics or electrical engineering with a strong interest in theoretical work. The applicant should have at least 2 years of experience in the use of mathematical techniques for the formulation and solution of physical problems.

Knowledge of transport theory, wave propagation or information theory are particularly useful. The research projects cover a wide spectrum from rather short feasibility studies to long term research programs in the fields mentioned. Specific projects involve the study of fluid flow in porous media, neutron and gamma-ray diffusion, sound wave propagation and digital computer processing of measurement data.

Our Laboratory is located in a small Connecticut town about 50 miles northeast of New York City. The facilities at the Laboratory are extensive and modern. Working conditions and fringe benefits are consistent with the highest industrial standards. Please send brief resume to:

MR. J. J. McNAMARA

**SCHLUMBERGER WELL
SURVEYING CORPORATION**

P. O. Box 307

Ridgefield, Connecticut

MEETINGS

Combustion

RADIATIVE properties of chemically reacting media and combustion of solid and liquid reactants at very low pressures, as well as topics of more general interest, will be discussed at the fall meeting of the Western States Section of the Combustion Institute. It will be held September 7 and 8 on the University of California campus at Berkeley.

To permit the program to center on prepared and extemporaneous discussion, with brief (five-minute) reports on current work in the field, it is planned to mail preprints of papers to registrants in advance of the meeting date.

Turbulence

BECAUSE of current interest on the part of atmospheric physicists, oceanographers, and other geophysicists in the application to geophysical problems of various physical concepts involving turbulence, the International Union of Goedesy and Geophysics and the International Union of Theoretical and Applied Mechanics have decided to organize a meeting on the subject. The two unions will accordingly join in sponsoring an International Symposium on Fundamental Problems in Turbulence and Their Relation to Geophysics at Marseilles from September 4 to 9.

While the program of the meeting has not been finally determined, the topics provisionally under consideration include an examination of the theoretical basis of the dependence of atmospheric turbulence on vertical gradients of density, the generation and dissipation of turbulence in stratified shear flows, the interaction between turbulence and wave motion at the ocean's surface, turbulent transport in the deep ocean, and fundamental studies of statistical theory of turbulence.

The IUGG-IUTAM Scientific Committee for the symposium consists of G. K. Batchelor, K. F. Bowden, and Sir Graham Sutton of the United Kingdom, F. N. Frenkiel and W. V. R. Malkus of the United States, A. M. Obukhov (USSR), J. Pérès (France), and J. C. Schönfeld (Netherlands). The Local Organizing Committee consists of A. Favre and G. Laclavère. The time and place of the meeting have been chosen in coordination with plans for a French Colloquium on The Mechanics of Turbulence which will be held at Marseilles during the week preceding the IUGG-IUTAM Symposium. Further information can be obtained from the IUGG, 53, av. de Breteuil, Paris 7, France.

Physics and Nondestructive Testing

OCTOBER 3, 4, and 5 are the dates for the second Symposium on Physics and Nondestructive Testing, which will be held in the Chemistry Auditorium at Argonne National Laboratory and will review progress that has been made in the investigation and use of tech-