

International Union of Pure and Applied Physics

Under the patronage of the *International Union of Pure and Applied Physics* the two following meetings will be held during September 1952:

“ **β and γ Radioactivity**” at Amsterdam, from September 1st to 6th incl.

Subjects

- (1) Beta disintegrations. Allowed and forbidden transitions; *K*-capture.
- (2) Gamma transitions and internal conversion.
- (3) Systematics of the beta and gamma decay and the shellmodel.
- (4) Angular and polarization correlation.
- (5) Instruments for beta and gamma spectroscopy.
- (6) Energy calibration of beta and gamma spectroscopes.
- (7) Measurements of beta particles of small energy.
- (8) Coincidence method for the analysis of complex spectra and for the determination of correlations.
- (9) Experiments of nuclear recoil and the detection of the neutrino.

Detailed information can be obtained from the Secretary, Prof. Dr. J. DE BOER, Institute für Theoretical Physics, Roetersstraat 1A, Amsterdam, Netherland.

“**Structure and Properties of Solid Surfaces**” at Chicago, Ill., from September 29th to October 1st incl.

Subjects

- (1) Structure of crystal surfaces.
- (2) The thermodynamics of crystal surfaces; surface free energy, entropy and tension.
- (3) Atomic mobility and reaction on surfaces.
- (4) Crystal growth from vapor, melt, and solution.
- (5) Electrical properties of surfaces of metals, semi-conductors and insulators.
- (6) Surfaces of non-crystalline solids, particularly glasses.
- (7) Cohesion and friction.
- (8) Influence of surface on deformation of crystals.

Detailed information can be obtained from the Secretary of the Organizing Committee: C. S. SMITH, Institute for the Study of Metals, Chicago 37, Ill., U.S.A.
A. PERRIER, Swiss National Committee of Physics.

International Contest

The Institute for the Unity of Science is offering a prize of \$500 for the best essay on the theme *Mathematical Logic as a Tool of Analysis: Its Uses and Achievements in the Sciences and Philosophy*. Two additional prizes of \$200 each will be given for the next best two essays. It is an International Contest and is open to everyone. Essays must not exceed 25,000 words. They may be written in English, French or German and must be submitted before January 1st, 1953. Further information can be obtained from the Institute for the Unity of Science, American Academy of Arts and Sciences, 28 Newbury Street, Boston 16, Massachusetts.

PHILIPP G. FRANK, Harvard University.