

1930, died on February 10 at the age of forty-nine years.

GEORGE HERBERT BROWN, director of the department of ceramics at Rutgers University, died on February 8 at the age of fifty-eight years.

A CORRESPONDENT writes: Richard C. Cady died on January 15, at the age of 35 years, as the result of accidental injuries received while on duty overseas. For the past year he has served as a geologist in locating well sites to develop water supplies for military

establishments of the United States Army in Africa and Asia. He was a member of the Geological Survey, U. S. Department of the Interior, for twelve years. His most important research was on the Pleistocene and Tertiary geology and ground-water hydrology of the Great Plains.

DR. C. TATE REGAN, keeper of zoology in the British Museum and an authority on systematic ichthyology and on the phylogeny of the lower vertebrates, died on January 13 at the age of sixty-five years.

## SCIENTIFIC EVENTS

### PURE MATHEMATICS IN RUSSIA

ONLY a few scholars in this country may have easy access to Russian publications since the war. It might, therefore, be of interest to give a short list of titles of papers in mathematics published from January to July, 1942, in the "Comptes Rendus (Doklady) de l'Academie des Sciences de l'URSS."

Pontrjagin: Mappings of the three-dimensional sphere into an  $n$ -dimensional complex.

Tschebotaröw: On a particular type of transcendent equations.

Khintchine: Lois de distribution des fonctions sommatoires dans la mécanique statistique.

Vinogradow: On the estimation of trigonometrical sums.

Linnik: On Weyl's sums.

Raikov: A new proof of the uniqueness of Haar's measure.

Raikov: On absolutely continuous set functions.

Šmulian: Approximation in the space of bounded functions.

Šilov: On the Fourier coefficient of a class of continuous functions.

Pontrjagin: Characteristic cycles on manifolds.

Tschebotaröw: On  $R$ -integrable polynomials.

Alexandroff, A.: Existence and uniqueness of a convex surface with a given integral curvature.

Wassilkoff: Partially ordered linear systems, Banach spaces and systems of functions.

Linnik: On the representation of large numbers as sums of seven cubes.

Tschebotaröw: On entire functions with real interlacing roots.

Tschebotaröw: On some modification of Hurwitz's problem.

Gnedenko: On locally stable probability distributions.

Gontcharoff: Sur la distribution des cycles dans les permutations.

Gnedenko: Investigation of the growth of homogeneous random processes with independent increments.

Malcev: Subgroups of Lie groups in the large.

Gontcharoff: Sur une extension du théorème de Gauss-Lucas.

Malcev: On the representation of an algebra as a direct sum of the radical and a semi-simple subalgebra.

This impressive list of research work in abstract "pure" mathematics, published during the most gigantic struggle which human history has seen, could easily be multiplied by papers from this and other journals concerning all parts of theoretical physics, astrophysics, celestial dynamics, etc. It is really significant that the first Stalin Prize (1940) has been awarded to I. M. Vinogradoff for his paper, "A New Method in the Analytical Theory of Numbers."

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### NEW AND RARE INSTRUMENTS

THE Committee on Location of New and Rare Instruments has the following requests and offers:

#### INSTRUMENTS REQUESTED

Cathetometer ( $32'' \pm 0.003''$ ).

Two-circle reflecting Goniometer.

Loewe Zeiss Liquid Interferometer.

Quartz Microscope.

Zeiss Optimeter.

Hypervac Vacuum Pump (Cenco No. 93,000).

Refractometers: Bausch & Lomb and Zeiss-Pulfrich.

Quartz Spectrograph.

#### INSTRUMENTS OFFERED

Leeds and Northrup Thermionic Amplifier No. 7673.

Alb. Rueprecht & Sohn Analytical Balances.

Roller-Smith Co. Surface Tension Balances.

Bausch & Lomb Centrifuge.

Gaertner Chronograph.

Fisher Electropode.

Leeds and Northrup Microammeter Type R.

Weston Microammeter for D.C.

Microscopes: Bausch & Lomb, Poller, Winkel-Zeiss, Zeiss.

Sartorius-Werke Brain Microtome.

Hartnack Polariscopes 400 mm tube.

Cenco Hyvac Pumps.

pH meter model Chemie (Bergmann & Altmann).

Radio Test Instruments and Equipment.

Zeiss Refractometer, dipping type.

Bragg X-Ray Spectrometer.

Keuffel & Esser Spectrophotometers.

Franz Schmidt & Haensch—Spectroscope (student