

Mason, Fleming, Nicholas, Bath, Harrison, Owen, Carroll, Trimble, Oldham, Henry, Franklin, Shelby, Jefferson, Spencer, Bullitt, Nelson, Washington, Marion, Boyle, Mercer, Anderson, Woodford, Fayette, Jessamine, Garrard, Lincoln, Madison, Clark, Montgomery, Bourbon, Robertson and Scott.

While it is true that some of these maps overlap the periphery of the Blue Grass region and extend into the well-known Kentucky Knobs region, it is a fact there are to-day no areas within the Blue Grass which are not surveyed. These new county maps are available to the general public for a nominal sum from the office of the Kentucky Geological Survey at Frankfort, Kentucky.

With the exception of Garrard, Woodford and Fayette, all these county maps have been published by lithographic processes in standard colors on the scale of one inch to the mile. The usual divisions of the Kentucky Ordovician, ranging from and including the Richmond of the Upper Cincinnati through to the High Bridge of the Champlainian, have been shown by outcrop. This area encompasses about 8,000 square miles and constitutes the largest unit outcrop of Ordovician sediments mapped areally and structurally in detail in the world.

PSYCHOLOGICAL EXPEDITION TO CENTRAL ASIA

IN July, 1931, the Uzbek Research Institute of Samarkand, together with the Moscow Institute of Experimental Psychology, organized the first expedition of the Soviet Union for the study of psychological characteristics of peoples in various stages of cultural development. The aim of the expedition was to investigate the variations in thought and other psychological processes of people living in a very primitive economic and social environment, and to record those changes which develop as a result of the introduction of higher and more complex forms of economic life and the raising of the general cultural level.

One special task of the expedition was to develop new methods for evaluating intellectual status of individuals in very backward communities, because the usual methods of determining intelligence are inapplicable in the very special cultural conditions influencing the intellectual processes of the members of these groups. Another task was the preparation of educational methods which could be applied to these communities, such as the teaching of counting, reading, etc.

The expedition was organized under the direction of Professor Alexander Luria, of Moscow. The members of the expedition included Mr. P. I. Leventuev; Mr. V. N. Arbuzov; Mr. V. V. Zaharova; Mr. H. Ashrafi; Mr. A. Baiburova; Mr. L. S. Gazaryanz;

Mr. A. D. Kolbin; Mr. E. N. Mordkovich; Mr. H. Hakimov; Mr. M. Hodzinova; Mr. F. N. Shemyakin; Mr. A. A. Usmanov, and Mr. R. Yussupov.

Before the expedition entered the territory, a two-months' seminar was conducted by Professor Luria in Samarkand in May and June, 1931, in which special topics were assigned, methods studied, and preliminary projects were carried out.

The expedition began its work in Uzbekistan with the native population. The chief work was done in the Alai Mountain region, and in the districts (*Kishlaki*) of Shahimardan, Yordan and adjacent uplands, where the people live under primitive nomadic conditions. The control territory was the region of the River Narin (*Kishlak Utch-Kurgan*), which has a very active cotton-raising industry and highly developed collective farming, but with a population still backward culturally.

Special attention was given to those socio-historical factors which influenced the development of the various stages of culture, and especially those changes which came as a result of the economic renaissance of Central Asia. For the purposes of the research both territories were found to be very satisfactory. The following problems were taken up by members of the staff:

"The Structure of Perception in Various Stages of Cultural Development (Perception of Color, Form, and Optical Illusions)": Mr. L. S. Sazaryanz and Mr. E. N. Mordkovich.

"The Configuration of Vision in the System of Visual Thinking": Mr. A. R. Luria, Mr. L. S. Sazaryanz, Mr. E. N. Mordkovich and Mr. V. V. Zacharova.

"Structure of Elementary Intellectual Processes in Various Stages of Historico-psychological Development": Mr. A. Baiburova and Mr. H. Hakimov.

"Verbal Logical Configurations in the System of Visual Thinking": Mr. M. Hodzinova.

"Concept Formation in Stages of Cultural Development": Mr. A. D. Kolbin.

"The Development of Causal Thinking": Mr. P. I. Leventuev.

"Traditional Religious Thought in the Development of the Personality": Mr. A. D. Kolbin and Mr. H. Ashrafi.

"Perception of Printed Material in a System of Visual Thinking": Mr. F. N. Shemyakin and Mr. P. Yussupov.

"Numerical Operations in a System of Visual Thinking": Mr. A. A. Usmanov and Mr. V. N. Arbuzov.

"Self-Analysis and Evaluation of Other Individuals at Various Stages of Personality Development": Mr. A. R. Luria and Mr. V. V. Zacharova.

All these studies will be published in the transactions of the expedition and some subsequently in foreign psychological journals. The expedition is an attempt at collective experimental research by a group of psychologists undertaken for investigation of psychological origins in human development. A

similar expedition will be organized in the summer of 1932 to continue the same work. It will have an international character, as it is planned to invite foreign

psychologists to participate in it. All inquiries should be addressed to Professor A. R. Luria, Serebryani Pereulok 5, kv. 1, Moscow, U. S. S. R.

SCIENTIFIC NOTES AND NEWS

THE University of Pennsylvania conferred the honorary degree of doctor of science on Dr. Edgar Douglas Adrian, of Cambridge University, Foulerton professor of the Royal Society, on October 13.

DR. LAURENCE GOULD, geographer and geologist, who was second in command of the Byrd Antarctic expedition, will receive the gold medal of the Geographic Society of Chicago. Dr. Fay-Cooper Cole, of the University of Chicago, will present the medal at the annual post-vacation luncheon of the society in Chicago on October 31.

DR. H. J. GERSTENBERGER, professor of pediatrics in the School of Medicine of Western Reserve University, has been elected to honorary membership in the German Pediatric Society. He is the second American to be elected. Dr. Gerstenberger recently addressed the society at a meeting in Dresden on "A Study of Rickets Disease in the Babies' and Children's Hospital in Cleveland."

THE North Persian Forces Memorial Medal for 1930 has been awarded to Dr. T. F. Anderson, of the Colonial Medical Service of England, for his paper on "A Report on an Investigation of Health Conditions on Farms in the Trans-Nzoia, with Special Reference to Malaria," published in the *Kenya and East African Medical Journal* for January, 1930.

DR. AGNES BLUM, of the Kaiser Wilhelm Institute for Biology, has been awarded the Leibnitz silver medal by the Prussian Academy of Sciences for her work on alcohol and heredity.

DR. BURT R. SHURLY, of Detroit, has been made president-elect of the American Academy of Ophthalmology and Otolaryngology. Dr. Samuel Hanford McKee, of Montreal, has been elected president, and Dr. Gordon B. New, of Rochester, Minnesota, vice-president.

DR. JAMES RAMSAY HUNT, of New York City, has been made president of the American Psychopathological Association. Dr. L. Eugene Emerson, of Boston, was made secretary.

At the Massachusetts Institute of Technology, Professor Charles F. Taylor has been made head of the department of aeronautical engineering; Dr. Louis J. Bircher, professor of physical chemistry at Vanderbilt University, is visiting professor of chemistry; Professor W. Spannake, formerly professor at the Technische Hochschule in Karlsruhe, Germany, will

conduct courses in hydraulic engineering; Dr. Ralph D. Bennett, for the past year research associate in cosmic rays at the University of Chicago, has been appointed associate professor of electrical engineering, and Dr. Louis B. Slichter, of the California Institute of Technology, associate professor of mathematics. The department of physics has added to its staff as assistant professors Dr. Philip M. Morse, Mr. V. Guillemin and Dr. W. B. Nottingham. Dr. Morse attended the University of Munich last year as international research fellow, while Dr. Nottingham was previously engaged in research work at the Bartol Foundation.

THE following appointments have been made at Tufts College: Mr. James R. Harrison, assistant professor of physics; Mr. Walter Miller, assistant professor of mathematics; Professor Alanson T. Warren, formerly of William and Mary College, professor of biology. In the medical and dental schools, Dr. Sydney C. Dalrymple, pathologist at the Newton Hospital, will instruct in pathology, Dr. Edward K. Ellis has been promoted from assistant professor to full professor in the department of ophthalmology, Dr. Allen Greenwood, professor of ophthalmology, has become professor emeritus, and Dr. M. Garcia Banus has been promoted from assistant to associate professor of physiology.

DR. GILBERT H. AYERS, of the University of Wisconsin, has been appointed assistant professor of chemistry at Smith College. Dr. Neal H. McCoy, National Research Council fellow in mathematics at Princeton University, has been appointed assistant professor of mathematics.

DR. B. F. CLARK, of the Massachusetts Institute of Technology, has been added to the faculty of Birmingham-Southern College as assistant professor of chemistry.

DR. EDWARD A. STRECKER, professor of nervous and mental diseases at Jefferson Medical College, has been appointed professor of psychiatry at the school of medicine of the University of Pennsylvania.

DR. GEORGE R. HERRMANN, associate professor of medicine in the school of medicine of Tulane University, has been appointed professor of clinical medicine at the school of medicine of the University of Texas.

At the North Carolina College for Women, Greens-