

it superior for use with the microscope. On the stock burner, the white lines indicate the positions at which it is to be cut; in the brass block, $1" \times \frac{3}{8}" \times \frac{5}{8}"$, (not a part of the stock burner) neither hole must be so drilled as to form pockets which prevent the easy flow of gas around the corner. The mounting of the trough has been changed so that its adjustment can be accomplished with much greater ease. The platinum wire which holds the gauze trough should be flattened before welding to avoid cutting the gauze. The glass tube is fastened in the brass sleeve with sealing wax, or better, with De Kotinski cement. Troughs of nickel gauze are quite as efficient though not as long lived as those of platinum. The largest flame may be had if the air adjustment be fully opened and the gas adjusted to just remove the blue cone.

On the last pages of this Journal will be found a preliminary list of titles of papers to be presented before the Society at its annual meeting to be held at the University of Toronto, Toronto, Canada, December 29-31, 1930.

Professor E. L. Bruce, Miller Memorial Research professor, has returned to Queen's University after spending the summer in Finland.

Mr. William H. Broadwell, a member of the Newark Mineralogical Society, has tested the fluorescent property of the new mineral curtsite, which was described in the May issue of this Journal. He finds that the mineral is quite fluorescent when subjected to ultra violet light, emitting a strong yellow color.

Dr. Cornelio Doelter of Vienna died on August 8 at the age of eighty years. He had been for many years professor at the University of Vienna where he lectured on mineralogy and the chemical composition of minerals.

Adam Hilger, Limited, London, N.W.1, England, has recently issued Bulletin No. 2, on Spectrum Analysis. The index of this 23 page pamphlet shows the following headings: Quantitative Analysis of Metals; Bibliography of Recent Papers on Spectrum Analysis; Official Specifications for Lead, Copper and Zinc; Other Information Concerning Metallurgical Spectrum Analysis; Physiological, Pathological, Toxicological and Pharmaceutical Applications of Spectrum Analysis.

Dr. Edgar T. Wherry of the Bureau of Chemistry and Soils, Department of Agriculture, Washington, D.C., has resigned his position to accept an associate professorship of plant ecology in the department of botany of the University of Pennsylvania.

Copies of a small folder entitled "The 92 Elements" giving their names, atomic numbers, symbols, atomic weights, melting points and years of discovery may be obtained without charge by addressing P. C. Kullman & Co., 110-116 Nassau Street New York City.

PROCEEDINGS OF SOCIETIES

PHILADELPHIA MINERALOGICAL SOCIETY

Academy of Natural Sciences of Philadelphia, September 4, 1930.

A stated meeting of the Philadelphia Mineralogical Society was held on the above date with the president, Mr. Toothaker, in the chair. Forty-five persons attended the meeting which was devoted to accounts of summer trips.

Messrs. Reinitz, Graham, and Cienkowski reported visits to Rosiclare, Illinois; Hot Springs, Arkansas; the Carlsbad Caverns; Bisbee, Arizona; and localities in southern California, and Colorado. Mr. Trudell described a visit to several museums on the Pacific coast. Mr. Gordon described a short sojourn in Canada between Montreal and Toronto.

Mr. Arndt visited New Hampshire and collected a beryl crystal measuring 18 inches in length, and 6 inches in diameter. Mr. Frankenfield collected some stalactites in the Bermuda caves. Mr. Toothaker referred to a trip to North Carolina with Messrs. Biernbaum, Clay, and Gordon. Other trips were reported upon by Messrs. Knabe, McNelly and Warford to Pennsylvania localities, and by Mr. Vanartsdalen to several Virginia quarries.

WILEY H. FLACK, *Sec. pro tem*

Academy of Natural Sciences of Philadelphia, October 2, 1930.

A stated meeting of the Philadelphia Mineralogical Society was held on the above date, Mr. Toothaker presiding, with an attendance of sixty-seven. Upon favorable recommendation of the council, Mr. George Peterson was elected to membership. The following officers were elected to serve for the term 1930-1931:

President: Mr. Charles R. Toothaker.
Vice-president: Mr. Morell Biernbaum.
Secretary: Mr. Lester Strock.
Treasurer: Mr. Wilfred Broadbelt.
Councillor: Mr. Harry W. Trudell.

Mr. Toothaker described a trip taken with Messrs. Biernbaum, Clay, and Gordon in July to Virginia, North Carolina, and Georgia. At the Fanny Gouge mine near Burnsville, N.C., specimens of gummite, uraninite, cyrtolite, garnet, muscovite, pink zoisite, epidote, albite, and uranophane were collected on the dumps. At the McKinney mine near Crabtree creek specimens of muscovite, euxenite, columbite, and torbernite were collected. At least fifty square feet of quartz in the quarry was solidly covered with excellent crystallized torbernite. Epidote crystals were obtained at the Cullasagee Falls locality; and many amethysts were acquired at Hayesville and Franklin. Mr. Toothaker in an entertaining manner described the scenery in the mountainous sections of North Carolina, and gave details of the collecting experiences of the party. His remarks were illustrated with a series of colored slides, and many specimens.

Mr. Obert of Ridgewood, N.J., exhibited a fine series of prehnite and associated minerals from Paterson, N.J., a locality recently closed to visitors due to two accidental deaths (one a young collector). Mr. Knabe reported his activities in visiting some Pennsylvania localities.

LESTER W. STROCK, *Secretary*

NEW YORK MINERALOGICAL CLUB

The New York Mineralogical Club held its first meeting for the season of 1930-31 at the American Museum of Natural History, October 15, 1930. After approval of the minutes of the May meeting, Mrs. Marjorie F. Blank of Tuckahoe, N.Y., was elected to membership. The following were proposed as members: James A. Taylor,

Glen Ridge, N.J., Dr. R. B. Sosman and Mr. H. C. Lee, of Kearny, N.J.; William Casperson, of Paterson, N.J.; and E.J. Rouy, of Clifton, N.J., to be voted on after the report of the Membership Committee.

A report was made of the successful trip of the Club to the Bedford, New York quarries on Memorial Day. It was decided to hold a field day excursion at Paterson, N.J., on Election Day, Nov. 4. The Executive Committee was empowered to negotiate with Mr. Manchester regarding its measure of cooperation in the publication of his forthcoming book on the minerals of New York and vicinity. The secretary was instructed to send a message of sympathy to Ward's Natural Science Establishment for the loss sustained by the recent fire.

The program of the meeting consisted of exhibits by different members of minerals collected during the summer, with reports of their visits to various localities. Most important was the account by President Frederick I. Allen of his visit to Långban. He gave a graphic description of that famous locality, where iron and manganese ores of the normal types are associated with a great variety of rare minerals, and exhibited about fifteen specimens of the rarer species obtained by him on the spot. Others who reported and exhibited specimens from localities visited were Professor Hawkins of Rutgers University, and Messrs. Manchester, Hoadley, Radu, Weidness and Morton. The season has opened auspiciously for the Club, and great activity is expected during the coming months.

JAMES F. MORTON, *Secretary*