

radiations, which are perhaps pseudomorphs after a zeolite. Dr. Wills exhibited a beautiful series of box mounts of the Ecton mine minerals with the aid of a binocular microscope.

SAMUEL G. GORDON, *Secretary*.

NEWARK MINERALOGICAL SOCIETY

The 67th regular meeting of the Newark Mineralogical Society was held at the home of Mr. Broadwell, as the regular meeting place was not open. President Walther presided, eleven members being present. The minutes of last meeting were read and approved. The applications of Messrs. Karlson, Schairer and Metcalfe were presented for action and all elected to membership. The secretary reported on the Branchville, Conn. outing held on Decoration Day. All who attended this outing were well pleased with the trip. Mr. Broadwell reported having found the following: bröggerite xls; uraconite; eosporite; torbernite (?); albite; dickinsonite; lithiophilite; hureaulite; fairfieldite (2 forms); natrophilite (?); columbite; quartz xls; apatite; margarosanite; sphalerite; damourite; cymatolite; eucryptite; montmorillonite; spodumene, white and pink; prochlorite; microlite xls; triploidite xls.

The outing for Columbus Day was discussed and finally left to the decision of Capt. Miller. Mr. Hoadley reported visiting 22 localities the past summer. He spoke of finding garnet at Leipersville, Pa.; epidemine and stilbite at Robinson, Pa.; schallerite at Franklin, N. J.; also chlorophoenicite from the same locality; cobaltiferous pyrite from Cornwall, Pa.; beryl from New Milford, Conn.; apatite in stilbite from Anthony's Nose, N. Y. Mr. Grenzic reported azurite and franklinite from Ogdensburg, N. J.; botryoidal datolite, pink, from Franklin, N. J. Mr. Schmid found benjaminite, realgar with stibnite in cavities at Manhattan, Nevada. Mr. Walther spoke on Branchville, Conn., and reported a new find of native iron from Modoc Co., California.

A vote of thanks was extended to the secretary for the use of his home for the day's meeting. The meeting then adjourned.

WM. H. BROADWELL, *Secretary*.

NOTES AND NEWS

SMITHSONITE; KELLEY MINE, MAGDALENA MTS., NEW MEXICO. WILLIAM P. HEADDEN, *Colorado Agricultural College*. Several years ago Mr. Philip Argall of Denver presented the author with a sample of smithsonite from New Mexico. It forms a layer about $\frac{3}{4}$ inch thick over a ferruginous, siliceous base. Its color is green, quite deep in the upper portion of the layer. The sample cuts and polishes rather handsomely. The locality is not new. The sp. gr. is 4.4103 at 15 degrees. An analysis shows: CO₂ 35.12, ZnO 60.97, CuO 3.48, CdO 0.16, CaO 0.44 with traces of PbO, MnO and FeO.

The Deseret Museum of Salt Lake City, a general geological and biological collection containing one of the largest and most complete mineralogical collections in the West, was presented to the Brigham Young University, Provo, Utah.

The Mineral-Exchange Bureau of the Institute of Economic Mineralogy and Petrography of Leningrad, Russia, has accumulated a large stock of minerals including many that have been discovered during the past ten years and desires business relations with those wishing to obtain specimens for their collections.

In the article on "Mineral Localities in the Vicinity of Middletown, Connecticut," *Am. Min.*, 7, 4-12, 1922, Professor W. G. Foye listed all minerals then known to occur in this region. He wishes to add to that list *thulite*, which has been found near Walkley Hill in Haddam. It is associated with quartz and lime epidote and occurs as radiated blades showing a very good cleavage. The mineral is pink in color and has an index in the neighborhood of 1.70.

The manuscript for Part 2, Optical Mineralogy by Professor A. N. Winchell, Madison, Wisconsin, is nearly completed. In order that all data of inorganic substances whose optical constants have been measured might be included an appeal is made for all unpublished and published optical data not recorded in Fry's Tables of Groth's *Chemische Krystallographie*.

Dr. Otto Oldenberg of the University of Göttingen, Germany, gave a lecture at the Massachusetts Institute of Technology on "Phosphorescence and Fluorescence Phenomena."

In order to fill out complete sets of *The American Mineralogist* the Editor is very anxious to procure, by gift or purchase, certain early issues of the *Journal*. These numbers include: Vol. I, Nos. 1, 2, 5; Vol. II, Nos. 2, 3, 12; Vol. III, Nos. 1, 3; Vol. IV, Nos. 2, 3, 4, 5, 6. Members are asked to search their files for duplicate copies or approach former members of the Society for these early issues.

One of the specimens brought back from South America by Mr. O. C. Farrington of the Field Museum, Chicago, is a rock crystal with a liquid inclusion estimated to be 10,000,000 years old. The quartz was found at Bon Jesus dos Meiras, Bahia, Brazil.

Dr. Thomas L. Watson, Corcoran professor of geology at the University of Virginia and state geologist of Virginia, known for his contributions to mineralogy, petrology and economic geology, died on November 10, aged fifty-three years. A memorial sketch of the life of Dr. Watson, written by Professor H. Ries of Cornell, will appear in an early issue of this *Journal*.

A recent find of a flattened diamond crystal weighing 40.22 carats has been announced from Murfreesboro, Arkansas.

Alfred H. Brooks, for twenty years chief of the Alaska division of the United States Geological Survey, died November 21 at the age of fifty-three years.