gates are white in color with a pearly to vitreous luster, and the fibers are translucent to transparent. The mineral gives the usual test for phosphorus with nitric acid and ammonium molybdate. In the field it might be mistaken for a zeolite, except for its association with sandstone.

The indices of refraction are nearly those of the wavellite described recently by F. Ulrich (Min. Abs., II, 1923, p. 141). It is optically positive, $2V = 70^\circ - 75^\circ$; the indices determined by the immersion method with white light are as follows: $\alpha = 1.530$, $\beta = 1.540$, and $\gamma = 1.558$; $B = 0.028$, dispersion distinct, $r > v$, and $Z = c$ axis. The high indices are probably due to the presence of iron. There are no indications of hydrothermal action and while the origin of the wavellite is apparently secondary, the writer offers nothing towards the particular mode of genesis. Gratitude is hereby expressed to Miss Jewell J. Glass, U. S. Geological Survey, who made the physical measurements. The specimens are in possession of the Biological Station of the University of Virginia at Mountain Lake, Giles County, Virginia.

PROCEEDINGS OF SOCIETIES

MINERALOGICAL SOCIETY OF SOUTHERN CALIFORNIA

(Extracts from the annual report of the President, June 18, 1938)

On this seventh anniversary of the founding of the organization, I shall simply summarize the events of the current year.

In September, 1937, Buel Hunt of the U. S. Forest Service exhibited two films teaching the importance of conservation of our chaparral, and the necessity of erosion control. In October, Dr. William C. Putnam of Los Angeles Junior College gave an illustrated lecture on the geology and mineralogy of the Mono Craters. In November, Dr. Ward Smith of Pomona College taught us the preparation and use of thin sections of rocks. In December, Donald Curry, geologist of the Death Valley National Monument, told us of his area's geologic and historic background. The feature evening of the year was on January the tenth when we were honored by the presence of the well-known mining engineer, Dr. Louis D. Ricketts, who spoke on his work at Ajo, Arizona. His address was illustrated with motion pictures. In February, Dr. John H. Maxson of the California Institute of Technology, spoke on "Mineral Development in Siberia." In March, Alfred Livingston of Los Angeles Junior College gave us convincing proof that our Southern California beaches were in imminent danger of destruction. Through the courtesy of the Union Oil Company, our April program consisted of two fine geological motion pictures. In May, Major Julian Boyd, consulting engineer for the Pacific Coast Borax Company, gave us the benefit of his wide knowledge of gold mining. Tonight we had the pleasure of enjoying the remarkable colored motion pictures taken by Charles Heald on the Society's last two nine-day excursions into Arizona and Nevada.

Our first and largest excursion of the year was on Sunday, October 17, to Soledad Canyon, Vasquez Rocks and vicinity, with the surprising number of 90 cars and 300 people in attendance. Excellent titaniferous magnetite, limenite, borax ores, geodes, etc., were obtained by all. On Armistice Day, November 11, a much smaller group collected Cretaceous fossils in the Santa Ana Mountains. A most successful overnight trip was held on Novem-
NEW MINERAL NAMES

Chacaltaite


A green pinite from the Caboceras mine, Chacaltaya, Bolivia, has been described by Thugutt, SiO₂ 46.25, Al₂O₃ 31.89, Fe₂O₃ 1.52, FeO 2.08, MnO 0.15, CaO 0.29, MgO 1.00, K₂O 10.18, Na₂O 1.15, H₂O – 0.12, H₂O + 4.93, F 1.39. Sum 100.95.

On the basis of a variation of the unit cell from two other muscovites examined and on several lines in the x-ray photographs peculiar to it, Kaloczkowska names it chacaltaite.

W. F. FOSCHAG

Picroamosite


CHEMICAL PROPERTIES: A silicate of magnesium and iron: (Mg, Fe₂)₂Si₄O₁₀(OH)₂. SiO₂ 55.90, Al₂O₃ 11.13, Fe₂O₃ 8.28, FeO 0.68, MnO 0.49, CaO 0.94, MgO 29.26, H₂O + 3.20, TiO₂, K₂O, Na₂O, H₂O – tr. Sum 99.88.

PHYSICAL AND OPTICAL PROPERTIES: Color greenish gray, sometimes brownish gray. Fibrous or radially fibrous. Biaxial; 2V = 87°, lies in the plane of [010]. Extinction parallel. α = 1.626 (colorless), β = 1.638, γ = 1.651 (light grayish brown).

Occurrence: Found in blocks in a talcose rock on the banks of the Malaya Laba River, North Caucasus.

W. F. F.

Karachaite


NAME: From the locality Karachi, Northwestern Caucasus.

CHEMICAL PROPERTIES: A hydrous silicate of magnesium, H₃MgSiO₄. Analysis: SiO₂ 47.12, Al₂O₃ 2.82, Fe₂O₃ 2.58, MgO 30.90, CaO 3.20, H₂O + 13.48, H₂O – 0.76. Sum 100.86.


Occurrence: Found in the asbestos deposits at Shaman-Beklegen, Karachi, Northwestern Caucasus.

W. F. F.