Electrical conductivity of ore minerals: PAUL F. KERR AND CHARLES K. CABEEN.

A computing and direct reading Jolly balance: ED-WARD H. KRAUS.

A calcified log from the Pittsburgh coal near Morgantown, West Virginia: CHARLES R. FETTKE.

Camsellite from California: ARTHUR S. EAKLE.

Foshagite, a new calcium silicate from Crestmore, California: ARTHUR S. EAKLE.

Note on the crystallization of thau masite: Arthur S. Earle.

Preliminary report on the crystal structure of some metallic sulphides: LEWIS S. RAMSDELL.

The characteristics of primary calcite in igneous rocks: T. L. WALKER AND A. L. PARSONS.

Evanescent pink sodalite, or hackmannite, from near Bancroft, Ontario: T. L. WALKER AND A. L. PARSONS.

X-ray diffraction measurements upon the diopside-like pyroxenes and their bearing upon the nature of augite: R. W. G. WYCKOFF, H. E. MERWIN AND H. S. WASH-INGTON.

The space group of diopside: R. W. G. WYCKOFF AND H. E. MERWIN.

The crystallography of sucrose: A. F. Rogers.

An interesting and useful property of zones: A. F. ROGERS.

A new type of sand calcite crystals from Monterey County, California: A. F. ROGERS AND R. D. REED.

A fulgurite from South Amboy, New Jersey: W. M. MYERS AND ALBERT B. PECK.

THE WESTERN MEETING OF THE AMERICAN MATHEMATICAL SOCIETY

THE twenty-second western meeting of the American Mathematical Society was held at the University of Chicago on December 26, 1924. Fifty-two members of the society were present.

It was announced that at the April meeting of the society in Chicago Professor W. D. MacMillan would give a symposium lecture on "Some of the mathematical aspects of cosmology."

At the scientific sessions, presided over by Professor T. H. Hildebrandt, vice-president of the society, the following papers were presented:

Sense relations between the pairs of corresponding triangles of a Desargues configuration: F. E. WOOD.

Bundles and pencils of nets on a surface: E. P. LANE. A theory of a general net on a surface: V. G. GROVE. On the polynomial of the best approximation to a given

continuous function: J. A. SHOHAT.

The figuratrix in the calculus of variations: P. R. RIDER.

Theorems concerning transversals of the (n +)hedron in n-dimensional space: H. F. MACNEISH.

A new theory of the rational equivalence of linear transformations or pairs of bilinear form: L. E. DICK-SON. Rational theory of pairs of bilinear forms in the singular case: L. E. DICKSON.

On the solution of diophantine equations by means of ideals: G. E. WAHLIN.

Subgroup composed of the substitutions which omit a letter of a transitive group: G. A. MILLER.

The transform in the abstract definitions of groups: W. E. EDINGTON.

Asymptotic distribution of characteristic numbers in the problem of the elastic bar: H. T. DAVIS.

Surface transformations applied to special dynamical problems: H. BETZ.

The frequency law of a function of several variables with given frequency laws: E. L. DODD.

Note on isogonal trajectories of geodesics: L. INGOLD. The parameter group of a continuous group in func-

tion space leaving a manifold invariant: I. A. BARNETT. Existence theorems for differential equations: H. J. ETTLINGER.

Polynomials and their residue systems: A. J. KEMP-NER.

Depreciation and other economic problems involving maxima of functionals: H. HOTELLING.

On certain linear algebras: J. B. SHAW.

The papers by Professors MacNeish, Wahlin, Betz, Dodd and Ettlinger were read by title.

> ARNOLD DRESDEN, Assistant Secretary

MEETING OF THE UTAH ACADEMY OF SCIENCES

A MEETING of the academy was held at the Agricultural College, Logan, on October 31 and November 1, 1924. A brief business session was held at which a number of new members were admitted to membership in the academy. The program consisted of the following papers:

Acid tolerance of strawberry plants: LAVAL S. MORRIS. Piracy on the Provo and Weber rivers: WILLIAM PETERSON.

Capillary potential in relation to irrigation and drainage: O. W. ISRAELSON.

Wheat straw studies: THOMAS L. MARTIN.

Some anomalous results in the measurements of capillary potential function by the vapor pressure method: L. B. LINFORD and WILLARD GARDNER.

The precision of the porous cup method of measuring the capillary potential: WILLARD GARDNER and C. A. CHAMBERS.

A new concept of light carrying medium: LLOYD GARRISON.

Advantages to be derived from locally developed sugar beet seed: DEAN A. PACK.

Contribution to the geology of the southern Wasatch: MURRAY O. HAYES.

Sound intensity measurements: ORIN TUGMAN.

Occurrence of nematode and crown wart in alfalfa fields in Utah: B. L. RICHARDS.