Interpolation formulas containing parameters: J. F. REILLY.

On sets of three consecutive integers which are quadratic residues of primes: A. A. BENNETT.

A solution of the quadratic congruence, modulo p, p = 8n + 1, n odd: PERRY A. CARIS.

The nullity of a matrix relative to a field: C. C. MACDUFFEE.

On groups of order p^m which contain an abelian subgroup of order p^{m-1}: H. A. BENDER.

On orders of operators in the group of isomorphisms of prime power abelian groups: H. A. BENDER.

Imprimitive substitution groups: G. A. MILLER.

On a problem in diophantine analysis: G. E. WAHLIN.

Expansions in terms of solutions of partial differential equations, third paper: C. C. CAMP.

Non-synchronized relative invariant integrals: K. P. WILLIAMS.

On some properties of polynomials: J. A. SHOHAT.

On functions of closest approximation: H. L. SMITH.

On the convergence of certain processes of closest approximation over an infinite interval: DUNHAM JACKSON.

On vector analysis in function space—preliminary communication: DUNHAM JACKSON.

Two related functional equations: W. H. WILSON.

On thermal convection: R. W. BABCOCK.

The deflection of a rectangular plate with two opposite edges supported and two edges free: H. W. MARCH.

Solution of certain functional equations relative to a general number system: M. H. INGRAHAM.

Postulates for order on a closed line: I. Reversible order (separation of point-pairs): E. V. HUNTINGTON.

On the classification of linear algebras: J. B. SHAW.

Associated types of linear connection: LOUIS INGOLD.

The geometry of a set of n vectors: LOUIS INGOLD.

On a central difference summation formula: W. A. JENKINS.

Note on prime factors: J. S. TURNER.

Surfaces with constant absolute invariants: P. G. ROBINSON.

A general theory of linear sets: M. H. INGRAHAM.

ARNOLD DRESDEN,
Assistant Secretary

MADISON, WISCONSIN

CONFERENCE OF APPARATUS MAKERS AND USERS

THE annual meeting of the National Research Council's Committee of Scientific Apparatus Makers and Users was held April 23 at the building of the National Academy of Sciences and the National Research Council.

It was decided that the committee ought to be continued and the executive committee of last year was reelected. It is constituted as follows: W. D. Collins, Geological Survey, chairman; Paul Moore, National Research Council, secretary; George K. Burgess, Bureau of Standards; A. L. Day, Geophysical Laboratory; M. E. Leeds, Leeds and Northrup; F. K. Richtmyer, Cornell University; J. M. Roberts, Central Scientific Company.

A number of reports of work done by various organizations along the lines in which the committee is interested were made.

Professor F. K. Richtmyer told of the progress of the *Journal of the Optical Society of America and Review of Scientific Instruments,* which had increased in circulation and had devoted last year 857 pages to instruments of all kinds, including optical, out of 1,544 pages of text.

Paul Moore told of some of the informational work of the Research Information Service of the National Research Council, which, while it had its limitations, had also some facilities for the guiding of inquirers as to sources of apparatus.

Mr. Collins presented a brief report from Dr. R. M. Meiklejohn, to the effect that the Committee on Standardization of the Manufacturing Chemists' Association had continued to assist in the more general adoption of its report issued in 1922. The committee specifications agreed in the main with those recommended by the American Chemical Society as regards elimination of items, the Manufacturing Chemists' Association giving more details of dimensions and tests.

Dr. Fay C. Brown, of the Bureau of Standards, chairman of the American Physical Society's committee, was not able to report much progress in the success of the recommendations of his committee in the standardization of rods, clamps and bases. In a discussion of this situation suggestions were made that while the adoption of the National Screw Threads Commissions' standards would be a fine thing, it would involve changes in almost every laboratory of the country, working a hardship; but new thread standards might be adopted in connection with any new apparatus, just as it was expected there would be more uniformity in the care of newly designed electric meters.

Mr. J. M. Roberts, secretary of the American Association of Scientific Apparatus' Manufacturers of the United States, said that body had considered a number of new items in the chemical glassware division and expected to continue investigations along the line of elimination.

Mr. Collins presented also the report of the American Chemical Society's Committee on Standard Apparatus.

The National Research Council's committee consists of representatives of various organizations and a number of members at large, all interested in procurement of apparatus and instruments.

F. K. RICHTMYER