The action of the Institute in promoting the introduction of the Gill School City System of Civic Education into the public schools of Philadelphia resulted in eliciting the unqualified endorsement and earnest advocacy of the movement from the public press, and in enlisting the active support of a very considerable number of our leading citizens. The School City movement has thereby been brought up to a point where its further progress is largely dependent on the official action of our municipal school authorities.

During the past year the Institute has suffered the loss of a number of active and prominent members by death. The following list of names of deceased members is hereto appended, although it is probably not entirely complete :

Edward W. Clark, Luther L. Cheney, S. Lloyd Wiegand, Henry M. Boies, Howard White, Jr., William Weightman, Samuel Wetherill, Henry George Ormsby, Col. A. M. Miller, U.S.A.; T. A. Mackinnon, Morton McMichael, Thomas L. Luder, Dr. B. B. Gumpert, Dr. Thomas M. Drown.

By order of the Board,

JOHN BIRKINBINE, *President.*

REPORT OF THE LIBRARY COMMITTEE FOR THE YEAR 1904.

To the President and Members of the Franklin Institute :

The Committee on Library respectfully submits the following annual report :

The contents of the Library have been increased during the past year by 2,397 titles. In 1903 the accretions numbered 4,924, but the present falling off is due almost entirely to a great reduction in the number of pamphlet additions, which amounted to 662 in 1904 as against 3,179 in the preceding year. Pamphlets are obtained almost exclusively as gifts, many being sent in with the view of their inclusion in a permanent repository; others as contributions from friends of the Institute. It is in this latter respect that we have this year been less fortunate than in the preceding twelve months, the accretions of pamphlets from general sources remaining fully up to the average.

The additions during 1904 comprised:

- 1,174 bound volumes,
- 517 unbound volumes,
- 673 pamphlets,
- 1 chart,
- 1 photograph,
- 31 drawings.

These accretions were derived as follows:

- 115 through the Bloomfield Moore Fund,
- 30 " " Memorial Library Fund,
- 48 " " M. Carey Lea Fund,
- 50 " " James T. Morris Fund,
- 20 " " general Library appropriations,
- 91 " " binding of periodicals,
- 64 " " *Journal of the Institute*,
- 17 " " exchange of duplicates,
- 83 " " an old exchange account,

and the remainder through deposits from the Federal and State governments, through contributions from societies and institutions at home and abroad and through gifts from individual donors.

The Ogden N. Rood Donation.—Of the gifts from individuals, a most welcome and valuable addition to the Library was that made by Mrs. Rood, widow of the late Ogden N. Rood, Professor of Physics at Columbia University, who died in 1903. Mrs. Rood's gift comprises the following important items:

Annalen der Physik und Chemie—

Poggendorff series, Vols. 1 to 160, 1824 to 1877.

Wiedemann series, Vols. 1 to 69, 1877 to 1899.

Drude series, Vols. 1 to 9, 1900 to 1902.

Beiblätter, Vols. 1 to 26, 1877 to 1902.

Fortschritte der Physik, Vols. 1 to 57, 1845 to 1901.

Verhandlungen der physikalischen Gesellschaft, 1888 to 1902.

American Journal of Science, 1860 to 1902.

A number of unbound volumes of these periodicals are being bound and will shortly be made accessible for reference.

Through the generosity of Mr. Alfred C. Harrison it has become possible for the Committee to complete the set of specifications of United States Patents without expending any of its regular appropriation in that direction. These reports were five years in arrears and Mr. Harrison expressed his readiness to defray the cost of purchase and gave the sum of \$216 for the purpose. These important documents will now be up-to-date and will include the specifications of the year 1904, most of which are still to be issued.

Other considerable gifts of books and pamphlets were afforded to the Library by Drs. Harry F. Keller, William H. Greene, Walter N. James; Messrs. George S. Barrows, John E. Carter, E. P. Cowell, W. J. Donohugh, Morris Ebert, Richard W. Gilpin, Stephen Greene, E. B. Gumpert, Carl Hering, J. Y. McConnell, C. P. Roepper, Samuel Shoemaker, W. Thum, John C. Trautwine, Jr., U. C. Wanner, and by the Crocker-Wheeler Company, the McGraw Publishing Company, Lewis F. Shoemaker Company, and Wilson, Harris & Richards.

The present contents of the Library are as follows:

57,956 volumes (bound and unbound),
42,579 pamphlets,
2,864 maps and charts,
690 drawings and designs,
1,244 photographs,
192 newspaper clippings,
31 manuscripts,

a total of 105,556 titles.

The list of periodicals currently received by the Library now numbers 546, an increase of 13 during the past year. The large majority are obtained in exchange for the *Journal* of the Institute, the present increase being all derived from that source.

Binding.—Binding and rebinding were effected during the past year as follows:

92 volumes of completed serials,
11 paper-bound books,
3 rebindings,

106 total.

Three hundred and sixty-four volumes are still in the binder's hands and much further work of this nature is urgently demanded. An expenditure of \$500 in this direction could be made with great advantage to the Library. An especially pressing need of this nature is the binding of the sheets of the great mass of British Patent Specifications. The movement, mentioned in last year's report, for an advance in this direction by means of contributions to a fund specially for this purpose was halted by reason of other demands, and the situation remains unimproved.

The Pamphlet Library.—The pamphlet section of the Library remains as yet in a condition leaving much to be desired. The pamphlets are stored on shelves in the south room, on the first floor of our building, where they are well preserved but practically unavailable through lack of proper classification. Many of these pamphlets are of great value as records of important transactions, and as treatises not otherwise published, and to make them accessible for consultation they should be thoroughly classified and represented in the card catalogue of the Library. This work will require the services of a trained assistant for a considerable period of time. An expenditure of some \$1,500, covering wages, boxes and cards, would about accomplish this most desirable improvement of the Library.

Increase of the James T. Morris Fund.—Of the various special funds now sustaining the Library, that established by Mr. John T. Morris, in February, 1899, with a foundation of \$1,000, and since augmented by several additions of \$1,000, has again been enriched by his contribution on December 27th, ult., of another sum of \$1,000. The income of this fund has been made available by Mr. Morris for the purchase of books on the subject of mechanics, and this section of the Library is already largely reaping the benefits of his good-will.

Evening Attendance.—The attendance of the Library after business hours in the evening shows a continuance of the falling off noticeable in recent years. The Library was open on 80 evenings during the past year with a total attendance of 238, a decrease of 155 from the preceding year. This condition emphasizes nothing so much as the fact alluded to in our last report, that the location of the Institute in the heart of the business section of the city, while leaving it amply accessible in the daytime, places it far out of the channels of active intercourse after nightfall, and renders it in that respect correspondingly less available for that large class of the community which has only the evening hours at its disposal.

LOUIS EDWARD LEVY,

Chairman.

REPORT OF THE COMMITTEE ON SCIENCE AND THE ARTS
FOR THE YEAR 1904.

To the President and Members of the Franklin Institute:

The Committee on Science and the Arts has the honor to submit the following statement of the work done during the year just closed:

To facilitate the work of assigning the applications to appropriate sub-