members, indicating as it does, a steady maintenance of the scientific activities of this Institute.

HARRY W. JAYNE,

Chairman of Committee on Publications.

PHILADELPHIA, PA., January 2, 1905.

REPORT OF THE COMMITTEE ON INSTRUCTION FOR THE YEAR 1904.

To the Board of Managers.

GENTLEMEN: The interest shown by the members of the Institute in the popular lecture courses given in co-operation with the Central Branch of the Young Men's Christian Association has been quite satisfactory to the Committee, the attendance at the lectures having been excellent. As heretofore, the services of the eminent lecturers who have contributed to make the Committee's work successful, have been given without compensation, and the thanks of the Board are due to them.

The schools have been well patronized, although the number of pupils enrolled has fallen off somewhat from the high figures of the previous year. The comparative data for the years 1903 and 1904 make the following exhibit:

	1903.	1904.
Drawing School	445	349
School of Machine Design	107	87
School of Naval Architecture	85	38
	<u>637</u>	<u>474</u>

With the sanction of the Board, the important step was taken, during the past year, of increasing considerably the teaching force, by the appointment of a number of eminent specialists as professors and lecturers on special subjects. The change thus instituted has already begun to exhibit its advantages in giving substantial assistance to the various branches of the Institute's activity.

Respectfully submitted,

WM. H. WAHL,

Chairman of Committee on Instruction.

ANNUAL REPORT OF THE COMMITTEE ON ELECTION AND RESIGNATION OF MEMBERS FOR THE YEAR 1904.

To the Board of Managers of the Franklin Institute:

The Committee on Election and Resignation of Members respectfully submits the following membership figures for the year 1904.

The Committee has continued its special systematic efforts to obtain new members.

The Committee's work, supplemented by that of several members who have from time to time presented a new name, and by the very considerable assistance rendered by Mr. Robert C. H. Brock, member of the Board, has been enabled to place on the rolls the names of 101 new members. The losses through death, resignation and non-payment of dues are noted in the accompanying schedule, showing that, numerically, the membership remains about

the same as at the close of 1903. The Committee again urges the membership in general to participate in the work of increasing the numerical strength by inducing new persons to join. The result of the presentation of one new name by each member is easy to calculate.

The membership at the close of 1903 was	1,605
New members secured in 1904	101

1,706

Loss by death, resignation and non-payment of dues	109
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Members at close of 1904	1,597
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ALEXANDER KRUMBHAAR,

Chairman.

PHILADELPHIA, January 2, 1905. _____

REPORT OF THE COMMITTEE ON SECTIONAL ARRANGEMENTS FOR THE YEAR 1904.

To the Board of Managers:

Your Committee on Sectional Arrangements respectfully reports that during the year 1904 the Sections of the Institute held thirty-four meetings, nearly all of which were devoted to the consideration and discussion of subjects of strictly technical or scientific interest. The pages of the *Journal* afford the best evidence of the value of the work thus accomplished.

The Committee is pleased to be able to report that the interest of the members in this branch of the Institute's activity is well maintained. The report of the secretaries is appended hereto.

JAMES CHRISTIE,

Chairman Com. on Sectional Arrangements.

PHILADELPHIA, January 2, 1905.

APPENDIX.

To the Committee on Sectional Arrangements:

The several Sections have had thirty-four meetings during 1904, all being joint sessions of the entire Section body. In respect of attendance and the general character of the subjects discussed, the past year will compare favorably with any of its predecessors. The *Journal* has been enriched by numerous contributions of value from this source.

Some modification of present methods will be introduced in 1905, for the purpose of keeping more prominently before the members the idea of the separate organization of the individual Sections, which, naturally, has been forced more or less into the background by the placing of all the special routine work hitherto done by each Section in the hands of an Executive Committee appointed by the Committee on Sectional Arrangements. With the restoration of these functions, it is believed that the only serious criticism that has been brought against the "joint session" plan as now in vogue, will be met satisfactorily.

WM. H. WAHL,

for the Secretaries.

PHILADELPHIA, January 3, 1905.