The work of Danneal is devoted to the special electrochemistry of the elements and inorganic compounds; their production by electrochemical methods and their electrolysis.

Longuth's work is an interesting contribution to the history and application of the methods of magnetic separation and concentration of ores.

W.

Franklin Institute.

[*Proceedings of the Annual Meeting held Wednesday, January 21, 1903.*]

HALL OF THE FRANKLIN INSTITUTE,
PHILADELPHIA, January 21, 1903.

Vice-President WASHINGTON JONES in the chair.

Present, 210 members and visitors.

The annual election held this day resulted as follows:

<i>For President</i>	(to serve one year)	JOHN BIRKINBINE.
" <i>Vice-President</i>	(" three years)	THEO. D. RAND.
" <i>Secretary</i>	(" one year)	WM. H. WAHL.
" <i>Treasurer</i>	(" ")	SAMUEL SARTAIN.
" <i>Auditor</i>	(" three years)	W. O. GRIGGS.

For Managers (to serve three years).

CYRUS BORGNER,	JAWOOD LUKENS,
JAMES CHRISTIE,	LAWRENCE T. PAUL,
F. L. GARRISON,	HORACE PETTIT,
H. W. JAYNE,	OTTO C. WOLF.

(To serve for two years.)

CHARLES LONGSTRETH,	WALTON CLARK,
LOUIS E. LEVY.	

(To serve for one year.)

WALTER WOOD.

For Members of the Committee on Science and the Arts (to serve three years).

H. F. COLVIN,	C. C. HEYL,	LUCIEN E. PICOLET,
THOMAS P. CONARD,	H. R. HEYL,	CHAS. E. RONALDSON,
GEO. S. CULLEN,	GEO. A. HOADLEY,	CLAYTON W. PIKE,
CHARLES DAY,	H. F. KELLER,	SAMUEL P. SADTLER,
ARTHUR FALKENAU,	LOUIS E. LEVY,	HENRY LEFFMANN,
J. M. HARTMAN,	TINIUS OLSEN,	W. N. JENNINGS,
ERNEST M. WHITE,	RICH'D L. HUMPHREY.	

(To serve for two years.)

KERN DODGE,	WERNER KAUFFMANN,
E. GOLDSMITH,	JESSE PAWLING, JR.,
FRANK ROSELLE.	

(To serve for one year.)

ROBERT H. BRADBURY,
WM. O. GRIGGS,J. W. RIDPATH,
CHAS. A. RUTTER,

URBANE C. WANNER.

The annual report of the Board of Managers, with appendices embracing the annual reports of the Sections and of the various Standing Committees was presented, and is hereto appended.

Prof. Joseph W. Richards, of Lehigh University, presented a communication, illustrated by specimens and lantern photographs, on the "Aluminum Industry," with particular reference to the contributions of Mr. Chas. M. Hall.

Mr. E. E. Taylor, M.E., of Boston, read a paper describing the "Under-Feed Mechanical Stoking of Steam Generators," with special reference to the Jones Under-Feed Stoker. The speaker illustrated the subject freely with the aid of the lantern. The paper was discussed by a number of members, and the invention described was referred to the Committee on Science and the Arts for investigation and report.

A communication by Mr. H. Armor Ward, on the "Brazing of Iron Castings," was postponed until the next stated meeting on account of the lateness of the evening.

Adjourned,

WM. H. WAHL. *Secretary.*

ANNUAL REPORT OF THE BOARD OF MANAGERS OF THE
FRANKLIN INSTITUTE FOR THE YEAR 1902.

HALL OF THE FRANKLIN INSTITUTE,
PHILADELPHIA, January 17, 1903.

To the Members of the Franklin Institute:

In presenting its report for the year 1902, the Board of Managers of the Franklin Institute congratulates the members upon the determination evinced, by personal sacrifice, to maintain the work of the organization, which for nearly four-score years has been a leader in scientific progress.

An increase of the annual dues was often presented to the management, and as often discouraged, to exploit some other suggested method of bettering the financial condition of the Institute.

The Board, while realizing that the Institute offered its members in numerous instructive meetings, discussions and lectures, and in unexcelled library privileges, more than any other technical or semi-technical society, hesitated to recommend an increase of annual dues, equal to those charged by other organizations, until all other means had been tried.

For many years the income of the Institute has been insufficient to support its work properly, and assistance was obtained from exhibitions to supplement the income. But although the Institute originated industrial exhibitions in America, and held numerous successful displays, the magnitude of such functions at the present time involves a financial risk which the Institute cannot assume, and the amended charter requires that all special incomes pass to the Trustees for investment, the interest on which only can be applied to current expenses.