

200.1  
Black box

COLORADO  
SCHOOL OF MINES

THIRTIETH  
ANNUAL COMMENCEMENT

OPERA HOUSE  
FRIDAY, JUNE THIRD, NINETEEN HUNDRED FOUR  
AT TWO O'CLOCK

GOLDEN COLORADO

BOARD OF TRUSTEES

PRESIDENT, DR. JAMES P. KELLY, GOLDEN  
SECRETARY, JAMES T. SMITH, DENVER  
OTTO F. THUM, DENVER  
JAMES J. CONE, CANON CITY  
JOSEPH S. JAFFA, DENVER

TN  
210  
C625  
1904  
VAULT

# PROGRAM

OVERTURE—Light Cavalry - - - - - Suppe  
LOHMANN'S ORCHESTRA

INVOCATION  
REV. J. W. MADDUX

VANCE ELEGANTE—Laces and Graces - - - - - Bratton  
LOHMANN'S ORCHESTRA

ADDRESS - - - - - PROF. HENRY S. MUNROE  
School of Mines, Columbia University, New York

SELECTION—The Storks - - - - - Chopin  
LOHMANN'S ORCHESTRA

ADDRESS - - - - - THE QUEST OF THE GOLDEN FLEECE  
MR. HARRY H. LEE, Denver, Colo.

WALTZ—On the Beautiful Rhine - - - - - Kela Bela  
LOHMANN'S ORCHESTRA

ACCEPTANCE OF MEMORIAL TABLETS IN MEMORY OF - - -  
PROF. ROBERT NELSON HARTMAN,  
RAYMOND BISHOP, Class of 1901, and  
WADE L. CROWE, Class of 1901  
- - - - - PROF. HORACE B. PATTON

ADDRESS TO THE GRADUATING CLASS AND CONFERRING OF DEGREES  
PRESIDENT VICTOR C. ALDERSON

INTERMEZZO—Rosebud - - - - - Platzmann  
LOHMANN'S ORCHESTRA

BENEDICTION  
REV. H. B. COLLINS

MARCH—Imperial - - - - - Anthony  
LOHMANN'S ORCHESTRA

## CLASS OF 1904

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The degree of E. M. (Engineer of Mines) is conferred upon

LOYAL WINGATE TRUMBULL,  
TRUMAN DELMAR PRIER,

THESES: Methods of mining and treatment, and plans for mill and power for "Telegraph Lode" mine.

WILLIAM DOUGLAS KILBOURN,  
HOWARD G. WASHBURN,

THESES: Determination of molybdenum and its concentration in ore containing molybdenite.

ALBERT CARL FRANCK,  
ROBERT PHILIP FRANCK,  
LEE L. FILLIUS,

THESES: An attempt to cyanide the low grade ores of the Empire Tunnel company.

JOHN SARGENT THOMAS,  
AXEL E. ANDERSON,

THESES: Equipment of Little Mattie M. M. and P. Co's properties, with plans for development.

JACOB WEIL,

THESES: The volumetric estimation of lead by potassium permanganate.

HOWARD JAMES WALLACE,  
TENNEY COOK DESOLLAR,

THESES: Design of a mill for the concentration of Leadville lead-zinc ores.

CHARLES ADAMS,

THESES: Cyanide tests on Cripple Creek ores, and the design of a one hundred ton mill.

LAFAYETTE GARFIELD JOHNSON,  
HENRY P. NAGEL, JR.,

THESES: The determination of copper.

GEORGE JOHN WACKENHUT,  
SCOTT HOLCOMB SHERMAN,

THESES: Comparison of methods of gold and silver assays of copper and zinc bearing materials.

FRANK CULBERTSON HILL,  
HUGH JAMES CARNEY,

THESES: History and development of the Chlorination process and its present practice in Colorado.

WALTER A. EMEIS,  
SAMUEL TESCHER,

THESES: Cyanide tests on black ore from Gilt Edge, Montana.

ROBERT MATTHEWS VAUGHN,  
WALTER IRVING SPENCER,

THESIS: The evolution and development of the milling practice in the Clear Creek district, Colorado.

WALTER STUART LARSH,

THESIS: Report on the "Gold Bug" mine, Empire, Colorado.

FRANCES ANDREW THOMPSON,  
STEPHEN L. GOODALE,

THESIS: Report on the Portland Chlorination mill, Colorado Springs.

BENJAMIN TAYLOR WELLS,  
HARLOW MCCONNELL KIMBALL,

THESIS: Metallurgical sampling.

WALLACE LEE,

THESIS: The dissolution of iron from pyrites by sulphuric acid.

GEORGE PHILIP ROBINSON,

THESIS: Design of a one hundred ton cyanide plant.