

Association of American Medical Colleges

48th Alan Gregg Lecture

“Beyond Our Borders”

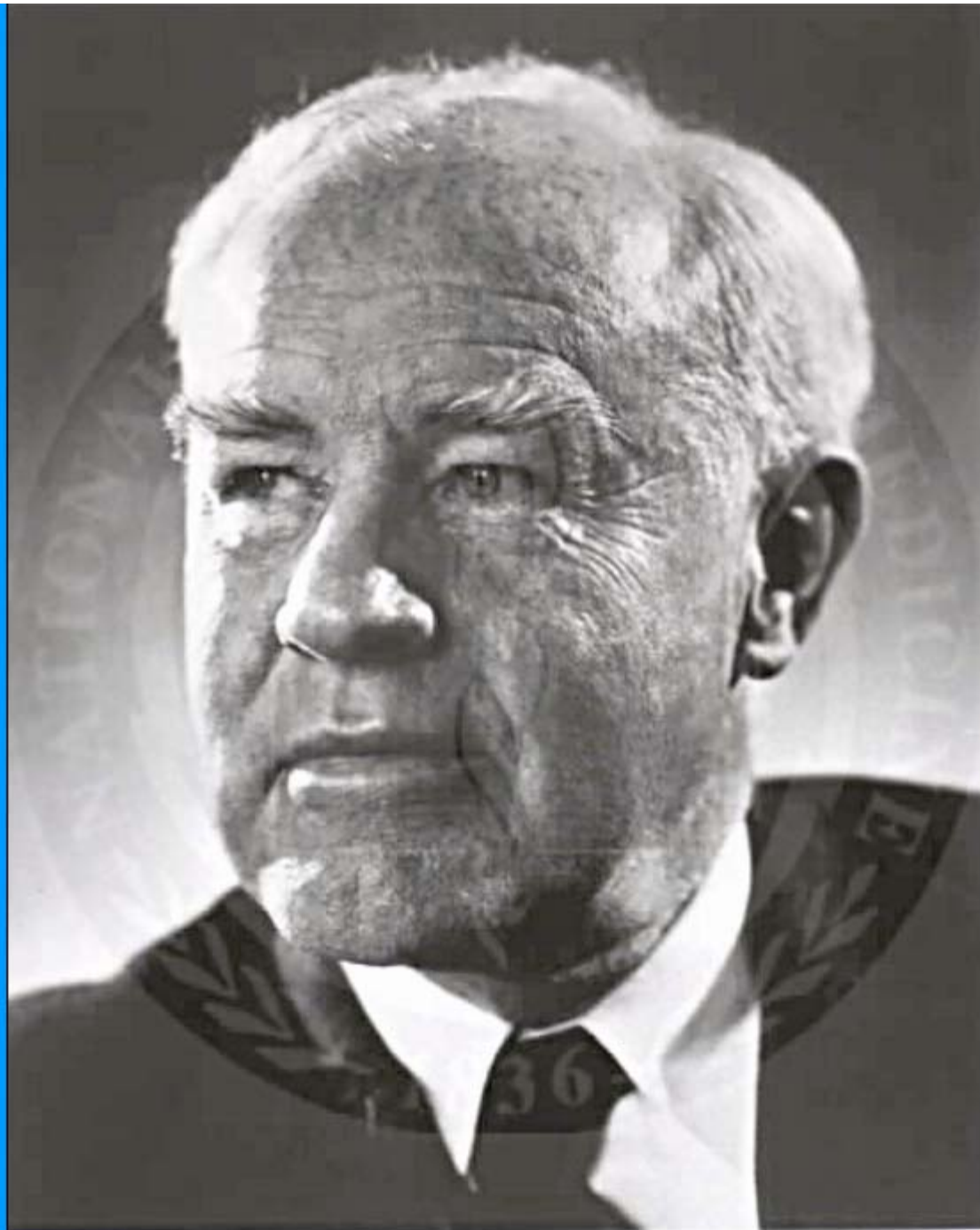
by

M. Roy Schwarz, M.D.
President, China Medical Board

November 7, 2005

Beyond Our Borders

- Insights Into Alan Gregg's Life.
- Forces of Globalization and Penetration Into Our Lives.
- Impact of Globalization on 4 Cornerstones of Medicine.



Alan Gregg, 1956

Alan Gregg Life I

- Born Colorado Springs, Colorado
- Harvard College
- Harvard Medical School
- Massachusetts General Hospital
- Medical Corp WWI – British Army

Alan Gregg's Life II

- 1919 – Rockefeller Foundation (RF) → Brazil Hookworm Disease in South America.
- 1922 – Return to RF, NYC.
- 1924 – Paris, European Office of RF.
- 1931 – Return to NYC, Director of Medical Sciences Division of RF.
- 1955 – Retired as Vice President, RF.

Alan Gregg's Life III

- **Lived** in U.S.A., Brazil, France, Mexico, Columbia and Italy.
- **Traveled** Europe, Russia, China, Asia, South and North America.
- **Published** 100's papers
 - Distilled water
 - Life of The Mind
 - Emergent Ability
 - Travel and Its' Meaning
 - Dormant Torment
 - Gratitude
 - Brevity

Alan Gregg Influence

- Medical Education - “Except for Abe Flexner, Alan Gregg knows more about medical education in the world than anyone alive.”
- Science – Mental illness is a biological disease.
- Public Health – Greatest Love.

Alan Gregg, The Person

- **Jim Schofield:** Quiet, great listener, humble.
- **Wu Jieping:** Engaging, intensely funny, devoted to medical education.
- **Raymond B. Fosdick (President, RF):** Refreshing, original, independent, humor, with, “mimic”, limericks.
- “There was a young lady...”

Forces Driving Globalization I

- Global Economy
- \$5.2 T (U.S.) goods traded in 2002 via 44 Trade Agreements between 137 nations.
- 63,000+ Multiple Corporations 220 countries, 186/500 Largest U.S.A. owned.
- \$5.976T (U.S.) foreign investments in 2003
- Problem: standards for governance, financial management, subsidies and antitrust.

Forces Driving Globalization II

- **Language**
 - 6,198 languages in World
 - English – Global Language
 - 56 dialects
 - Language of business, math, science and education
 - **Problem:** Acceptance – esp. France.

Forces Driving Globalization III

- **Global Communication Network**
 - Communication satellites + cable.
 - Internet grafted into network.
 - 2002 – 147 M people in 220 countries.
 - **Corporation of Assigned Names and Numbers** – Challenge EU, China, et al.
 - **Galileo Project** – 2008 15 nations Global Positioning Satellite. \$4.6B (U.S.).
 - **Hands On The Universe** – Access to Astronomy Scopes in U.S., Japan, Australia, Germany, Pakistan.

Forces Driving Globalization IV

Transportation

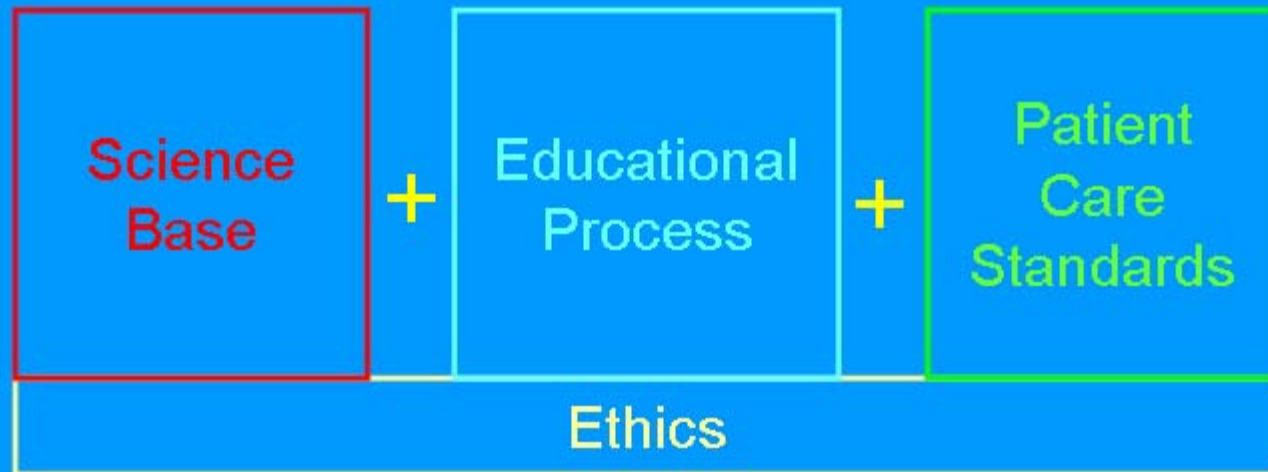
- Move goods, people rapidly
- Ulaan Baatar → NYC in less than 24 hours
- Circle Globe
 - Magellan – 2 years
 - Jets – 2 days
 - Space Shuttle – 2 hours

Forces Driving Globalization

- **Summary** – Four Forces Driving Us Closer and Closer To Those Beyond Our Borders → Ever Smaller Global Village → Mandates A New Way of Life For The Inhabitants.



Cornerstones of the Medical Profession



Globalization And Cornerstones

- **Science: Global Enterprise** because Products May Be Sold in Global Market → ↑ GDP of country.
 - **Japan:** 30 Nobel Prizes by 2050.
- 32% ↑ \$ Lifescience 2005
 - **EU:** “European Research Area”
- 3% → GDP Science 2010.
 - **China:** Future of economy depends on science and Technology.
 - **France:** 67 – Silicone Valley – Like “Competitive Clusters by 2010”.
 - **U.S.A.:** “Above The Gathering Storm”.



Globalization and Cornerstones

- Patient Care: Global Business
 - Medical Tourism – India.
 - For Profits 4X↑ - China.
 - Global Epidemic → Global Care.
 - CPR (Canada, Great Britain), EBM – Cochrane → Global Expectations of Care.
 - Global Medical Malpractice Conference.
 - Airlines (24) agreement on water quality.
 - Multinational Employees – same quality as home.

Globalization and Cornerstones

- **Ethics**

- **Science:** Intellectual Property Rights, Conflicts of Interest, Fraud, Plagiarism, Scientific Misconduct – global agreements.
- **Medicine – A Global Profession?**
 - **Core Values Must Be Same**
 - e.g.: Patient Welfare and advocacy, confidentiality, informed consent.
 - Clinical Trials – definition and standards of conduct – SAME.

Globalization and Cornerstones

- **Medical Education**

- General Education – science, math
- MBA Programs – Global Ranking
- **Curriculum and Global Epidemics**
 - Prevent and Treat any Disease seen in the world.
 - “Any Disease, Anywhere”

- **Workforce**

- F. Mullen’s NEJM “Brain Drain”
 - National Workforce Plans “global context”.

Globalization and Cornerstones

- Medical Education – **Bologna Accords**
 - 45 Ministers – 10 “Action Lines”
 - Degrees easily readable and comparable.
 - 2 cycles – at least 3, 2 years.
 - European Credit Transfer System
 - Mobility – students, Professors, Doctors.
 - Cooperation In Quality Assurance
 - Accreditation and **Beyond**.
 - **Tuning Project**: Competency Based Medical Education.

Global Minimum Essential Requirements (GMER)



Dr. Andrzej Wojtczak

Dr. David Stern

Dr. M. Roy Schwarz

Global Minimum Essential Requirements (GMER)

- CMB created Institute for International Medical Education in 1999
- Purpose: What want graduating medical student to know and do and what behaviors and thoughts to have
- 3 Phases

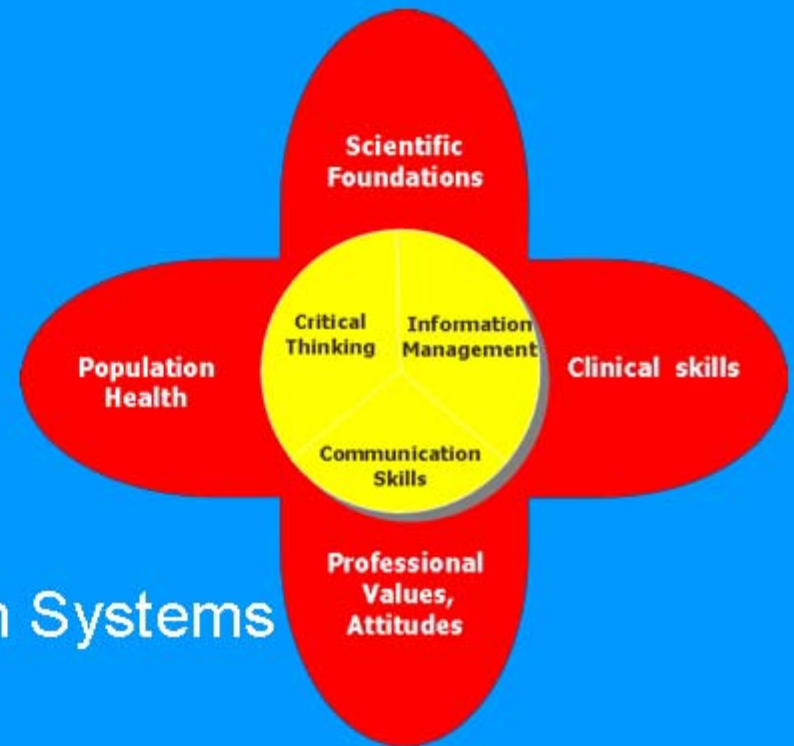
Global Minimum Essential Requirements (GMER)

- Phase I
 - Define Competence and Tests
- Phase II
 - Pilot examinations in 8 Chinese medical schools
- Phase III
 - Share results with the globe



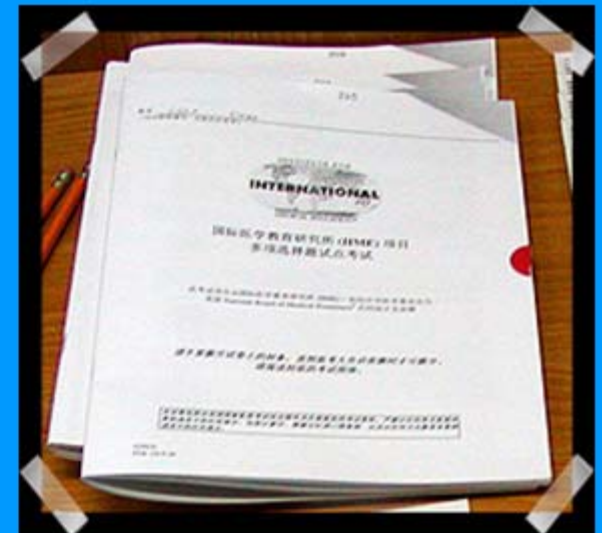
Global Minimum Essential Requirements – Phase I

- 60 Competencies
- 7 Domains
 - Professionalism
 - Sciences Basic to Medicine
 - Clinical Skills
 - Population Health and Health Systems
 - Communication Skills
 - Information Management
 - Scientific Reasoning and Research



Global Minimum Essential Requirements – Phase I

- **Three (3) Evaluation Methods**
 - Multiple Choice Questions (MCQ's)
 - Objective Structured Clinical Evaluations (OSCE's)
 - Standardized Patients (SP's)
 - Structured Observations on Clinical Wards (SO's)



GMER Phase II – Pilot Study

- **October 2003 Examination**
 - 8 graduating classes – 8 schools
 - 400 students
 - Exam
 - 150 MCQ's
 - 15 OSCE's (10 SP's)
 - 3 months SO



GMER Phase II – Pilot Study

- **Standard Setting**
 - Student Performance – Cut Scores → Strengths and Weaknesses
 - School Evaluations
- Report Cards
 - Students – All competencies
 - Schools – All domains
 - Ministers – All schools

GMER Cooperation

- 66 Experts
- 6 Committees/task forces
- 30 Countries
- 400 Faculty Observers



Global Cooperation

GMER: Phase III

- Website: 1000+ hits per day from over 200 countries
- GMER → 12 languages
- 10 nations await Phase II
- Spanish and Mexican Deans accept GMER as educational targets
- Negotiations with Mexico for Phase II Evaluation
- China: First Prize Medical Education Award
- China: Blueprint for Reform

Prediction: For Success In Global Village

- **Global vision** – 4 forces
- **Multinational** – focus, strategy, programs
 - Partners “Beyond Our Borders”.
- Willing to be creative on a Global stage **and Take Risks!**
- Think “**Outside The Box**” and go where **never has gone before!**

Alan Gregg IV

- 1914 – RF created **China Medical Board** → Peking Union Medical College (1915).
 - **William Welch** (J. Hopkins) and **Abe Flexner** were involved.
 - PUMC – “JH of Asia”.
 - **University of Chicago, Harvard** also involved.
- 1946 – **Reopen PUMC** Commission III.
 - Harold Loukes, Surgeon
 - Sydney Burwell, Dean, HMS
 - **Alan Gregg – Chair**

Alan Gregg V

- 1947 – **Special Meeting** of RF Board
 - Rec. \$9M → CMB endowment.
 - **J.D. Rockefeller, Jr.** – attended and with Alan Gregg → \$10M for CMB.
 - RF → PUMC **\$44,652,490.**
- Alan Gregg 2 terms on CMB Board of Trustees.
- 1957 CMB created Alan Gregg Fellowships – Senior Academics.

Alan Gregg VI

- Spoke 6 languages – quoted writings.
- Lived in 6 countries – traveled extensively on all continents except Africa.
- Published paper “Not They But We”
- Spoke of “One World”.
- Fosdick: “large horizon – sweeping vision” with “disdain for five and ten cent stuff”.

Why is Alan Gregg So Honored and Revered?

- Answer
- Global Vision – understood One World
- Multinational In Thinking and Programs He Supported at the RF.
- Creative – Curiosity and took Risks.
- Reveled in Thinking Outside the Box and going where no one had gone before.



Alan Gregg Journal Returning from Trip to China, 1935

- “Why Do Men Fear The Unknown.....?”
- “...that comes from living **Beyond Our Borders** in a global village where the opportunity for creativity is greater than at anytime in the history of “civilization”?



Prepublication Copy

M. J. Schwab

RISING ABOVE THE GATHERING STORM

*Energizing and
Employing America
for a Brighter
Economic Future*

NATIONAL ACADEMY OF SCIENCES,
NATIONAL ACADEMY OF ENGINEERING, AND
INSTITUTE OF MEDICINE
OF THE NATIONAL ACADEMIES



P-2. Peking Union Medical College

P. 2

85%

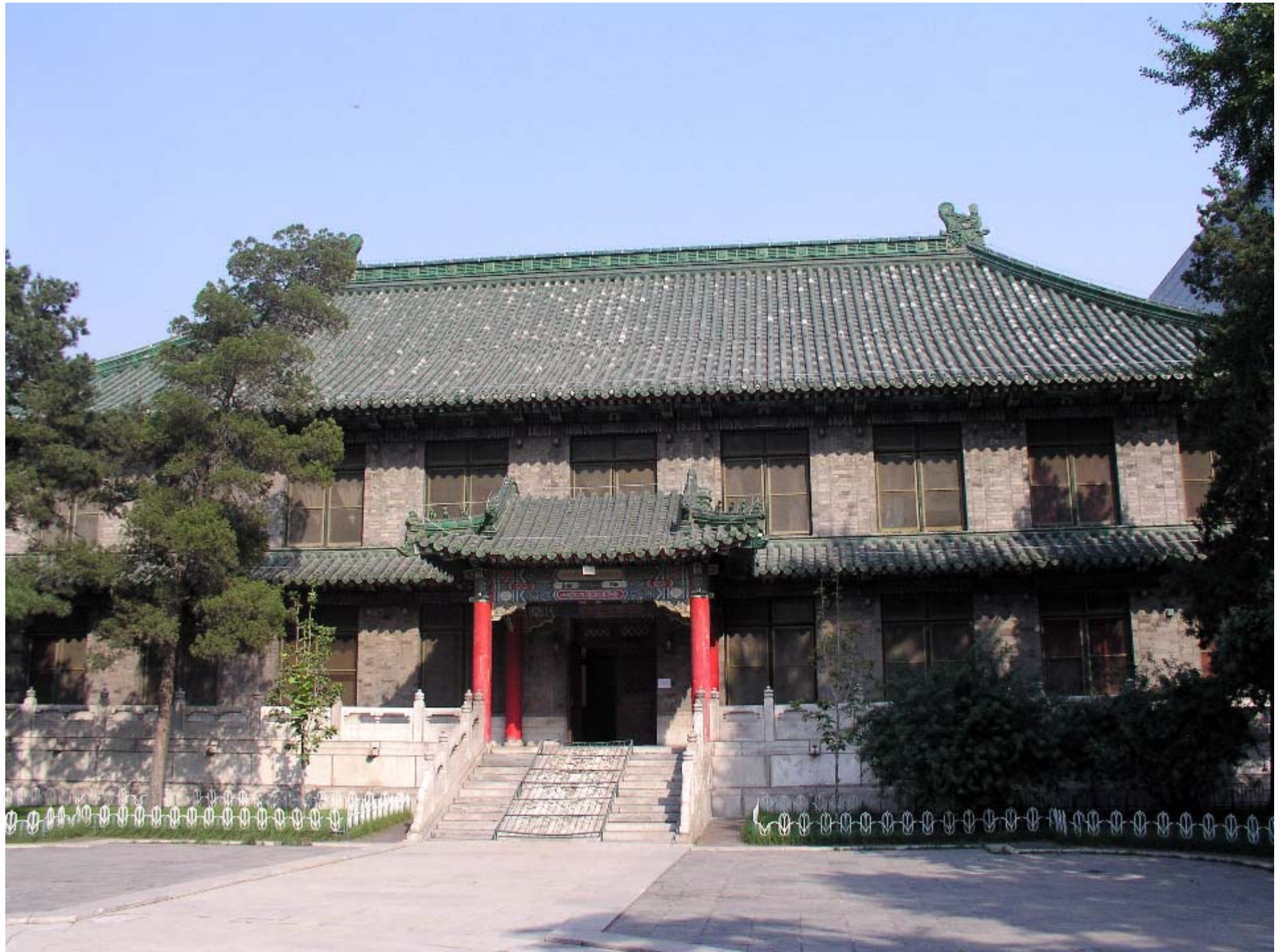
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William H. White







Reverend and Mrs. James Bartlett Gregg with their children, Colorado Springs,
1891. Top row: James, Donald, Faith; bottom row, Marjorie, Alan (age one),
Richard, Elinor





C H I N A M E D I C A L B O A R D

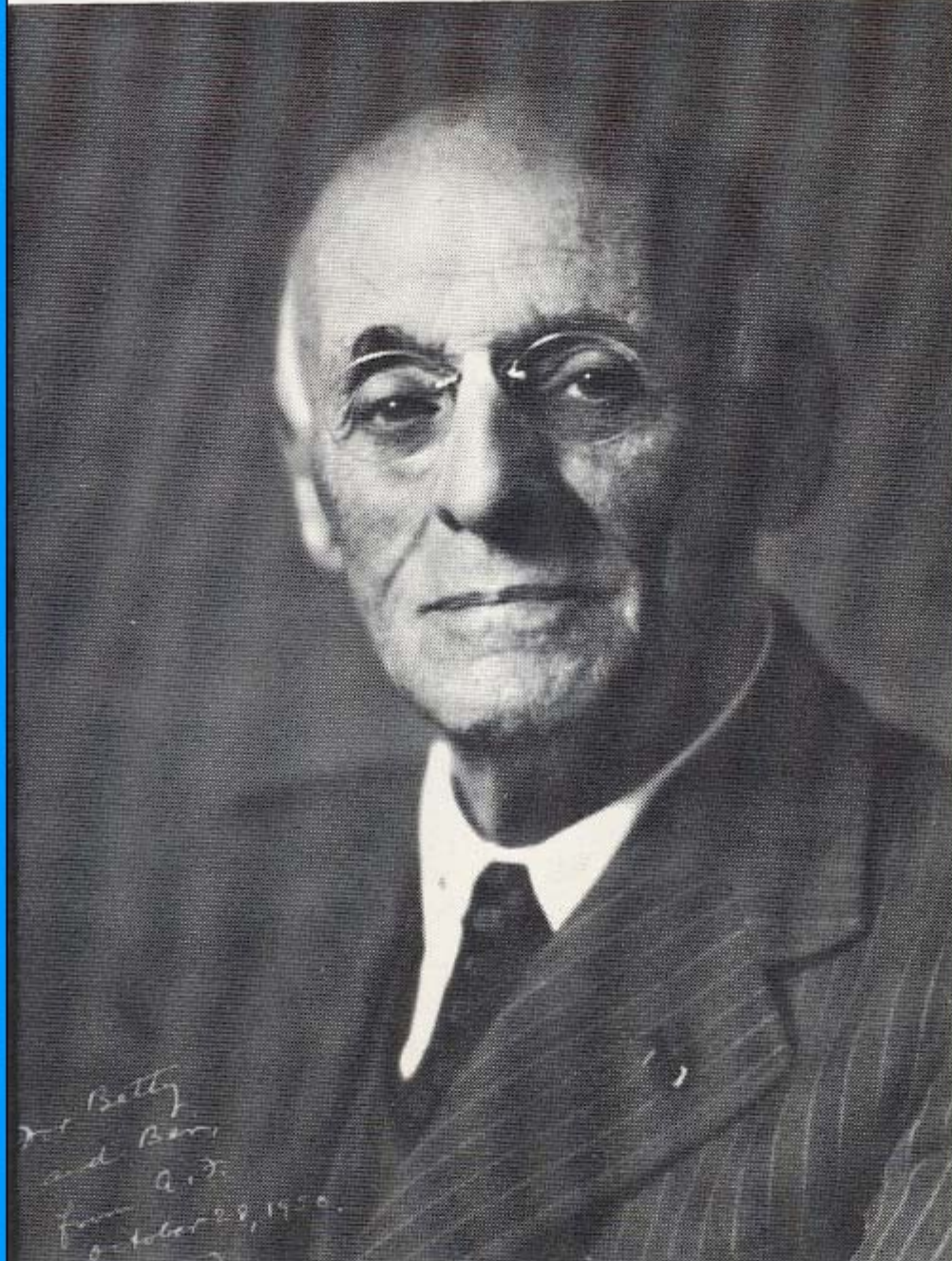
O F N E W Y O R K



• **1928-2003** •



Abraham Flexner







• 1928 •

CHINA
MEDICAL
BOARD
OF NEW YORK, INC.



Twenty-Fifth Anniversary Exercises
of the
Yale University School of Nursing

SATURDAY, 5 FEBRUARY 1949

Program

President CHARLES SEYMOUR presiding.

Addresses:

"Dreams and Awakenings"

CHARLES-EDWARD AMORY WINSLOW, *Anna M. R. Lauder
Professor Emeritus of Public Health, Yale University.*

"The Nursing Profession and the Layman"

MRS. AUGUST BELMONT, *Honorary Master of Arts, Yale University, 1948.*

"The Future of Nursing"

ALAN GREGG, *Director, The Medical Sciences, The Rockefeller
Foundation.*

"Problems of the Early Years of the School of Nursing"

JAMES ROWLAND ANGELL,* *President Emeritus of Yale University.*

Held in the Historical Library of the School of Medicine

*Deceased March 4, 1949.



William A. Welch