



THE DEPARTMENT OF ANESTHESIOLOGY

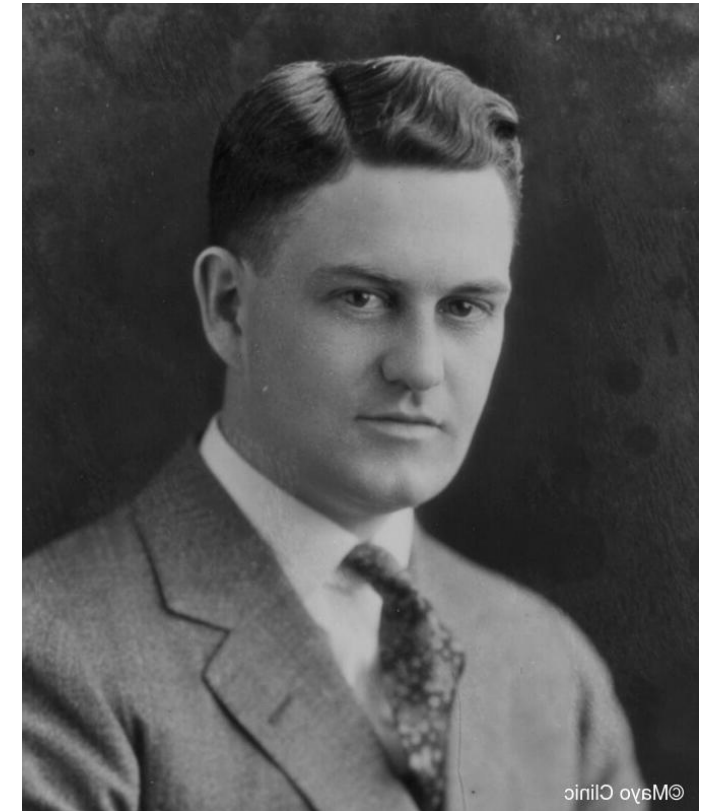
CONTRIBUTING TO MORE THAN A CENTURY OF ADVANCES IN ANESTHESIOLOGY AND MEDICINE



The Department of Anesthesiology and Perioperative Medicine:

April 2024-2025 Centennial Celebration

- April 1, 1924 was the official start of a Section on Regional Anesthesia and coincided with the recruitment of Dr. **John Lundy** from Seattle
- The section underwent three name changes between 1931 and 1960, eventually becoming the Department of Anesthesiology in 1970



John Lundy, M.D.

Thirty-Five Years of Anesthesia Before the Section Designation

- **Edith Graham**, the future Mrs. Charlie Mayo, was taught by Dr. William Worrell Mayo, to give anesthesia for his sons in 1889
- Subsequently, Edith trained **Alice Magaw** to deliver anesthesia; she became known as “the mother of anesthesia”
 - Her 1906 publication of zero deaths from ether anesthesia set a high bar for anesthesia safety for nearly a century.
- Alice Magaw and Florence Henderson subsequently delivered more than 25,000 anesthetics between 1893 and 1917



Edith Graham, RN



Alice Magaw, RN



Florence Henderson, RN

Physicians Providing Anesthesia in the Pre-Section Years

- Dr. **Isabella Herb** (1899-1904): Mayo Clinic's first physician anesthetist, working primarily with Dr. Charlie Mayo
- Dr. **Gaston Labat** (September 1920-October 1921): The primary catalyst for the use of regional anesthesia in North America
- Dr. **William Meeker** (1921-1923): Trained with Dr. Labat in regional anesthesia; trained as a surgeon subsequently



Isabella Herb, M.D.



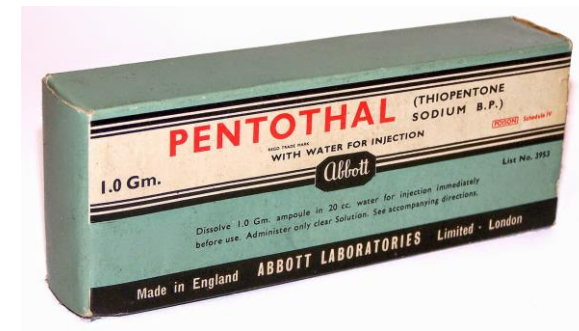
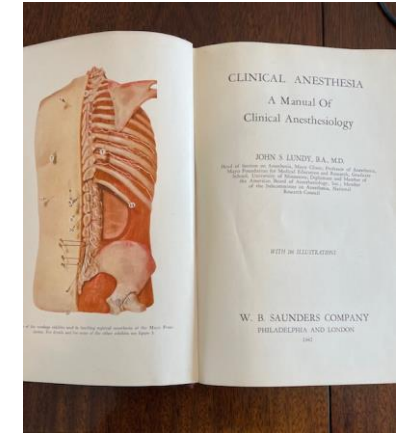
Gaston Labat, M.D.



William Meeker, M.D.

There Is a Lot to Cheer About

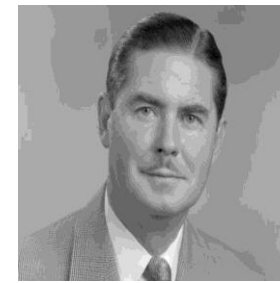
- Advocacy for regional anesthesia in the U.S.
- First clinical anatomy lab in the U.S.
- Introduction of sodium pentothal
- First clinical blood bank in the U.S.
- Advocacy for the use of postoperative recovery rooms
- Development of the first postoperative intensive care units
- WW II training of physicians in a short course for anesthesia
- Development of the Tuohy needle and neuraxial catheter techniques
- Introduction of the first iv catheter-over-a-needle
- Hemoglobin transfusion trigger
- Insights into the impact of glucose on the ischemic brain



The first U.S. blood bank

And More to Cheer About

- Development of the Mayo-Gibbons heart-lung machine
- First uses of EEG for intraoperative brain monitoring
- Discovery of the etiology of halothane hepatitis
- Understanding of pulmonary mechanics, anesthesia, and positioning
- First use of the term, “neuroanesthesia” and development of the subspecialty
- First use of intrathecal narcotics for clinical care
- Delineation of succinylcholine and its issues with burns, hyperkalemia, and malignant hyperthermia
- Clarity on anticoagulation use and neuraxial techniques
- And so much more . . .



R. Charles Adams, MD



Robert T. Patrick, MD



Albert Faulconer, MD



Kai Rehder, MD



Russell Van Dyke, PhD



John (Jack)
Michenfelder, MD



J. Thomas Martin, MD



Josef Wang, MD



Lee Nauss, MD



Gerald Gronert, MD



Denise Wedel, MD



Terese Horlocker, MD

Anesthesiology Leadership

- The department has provided leadership for the evolution of the specialty
 - Ten members have been president of the **ABA**
 - Ten members have been president of the **ASA**
 - Seven members have chaired the Board of Trustees of the **IARS**
 - One Executive Director and one president of the **AANA**, as well as the **IFNA**
 - Editors-in-chief of *Anesthesiology*, *Anesth Analg*, *J Applied Phys*, *J Phys*, and more
 - Multiple chairs of NIH review committees
 - Mayo Clinic Board of Trustees, Board of Governors, Deans, high-level committees

American Society of
Anesthesiologists® 

ABA
®

THE AMERICAN BOARD OF
ANESTHESIOLOGY



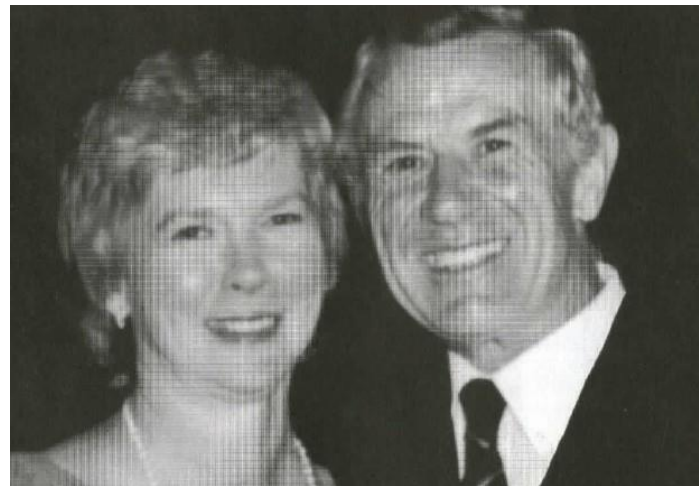
IARS

International Anesthesia Research Society

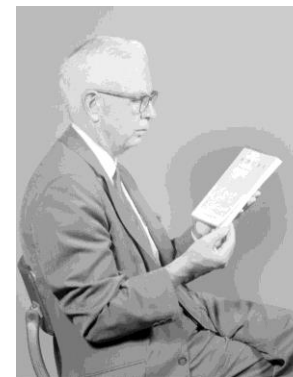
AANA

The Mayo Three-Shield Emblem

- Rochester “Pill Hill” parties were fashionable in the mid-1970s on Saturdays after long work weeks
- In 1975, Dr. **Brian Dawson** and his wife, **Sonja**, hosted a party at their home directly across the street from the former home of Dr. Will Mayo (i.e., the Foundation House)
 - At that party, Mayo librarian **Tom Keys** noted Brian’s British medical school shield and Sonja suggested that Mayo should also have a shield
- Sonja put pen-to-napkin during the party and promptly designed Mayo’s three intersecting shields
 - She intended for the shields to represent Drs. William Worrell, Will, and Charlie Mayo
 - The Mayo Board of Governors loved the idea but wanted the shields to represent clinical practice, education, and research, the 3 Mayo Clinic missions



Sonja and Brian Dawson, M.D.



Tom Keys



THE MAYO CLINIC DEPARTMENT OF ANESTHESIOLOGY: A GREAT FIRST 100+ YEARS

- A sincere congratulations to the more than 3,000 alumni of the Department of Anesthesiology's training programs
 - Anesthesiology
 - Nurse Anesthesia
 - Respiratory Care
- Currently, there are more than 2,100 members of the department institution-wide
- More than 500 individuals hold academic rank
- Eighty-five alumni have served as academic department chairs around the world



The Mayo Clinic Rochester
Department of Anesthesiology
2023