

**PRELIMINARY PROGRAM: 1958 ANNUAL MEETING
AMERICAN SOCIETY OF ANESTHESIOLOGISTS, INC.
Penn-Sheraton Hotel, Pittsburgh, Pennsylvania**

SATURDAY, OCTOBER 18, 1958

- 1:30-9:00 P.M.: REGISTRATION—Check Room, 17th Floor
9:00 A.M. and 2:00 P.M.: ORGANIZATIONAL MEETING, THE BOARD OF DIRECTORS
Terrace Room
1:30 P.M.: SOCIAL PROGRAM, University of Pittsburgh—University of West Virginia,
Football Game, THE STADIUM

SUNDAY, OCTOBER 19, 1958

- 8:00 A.M.-6:00 P.M.: REGISTRATION—Check Room, 17th Floor
9:00 A.M.-12:30 P.M. and 2:00-5:30 P.M.: REFRESHER COURSES, 4th Floor
9:00 A.M. and 2:00 P.M.: ORGANIZATIONAL MEETING, THE BOARD OF DIRECTORS
Terrace Room

MONDAY, OCTOBER 20, 1958

- 8:00 A.M.-5:00 P.M.: REGISTRATION—Check Room, 17th Floor
9:00 A.M.-12:30 P.M. and 2:00-5:30 P.M.: REFRESHER COURSES, 4th Floor
8:30 P.M.: ORGANIZATIONAL MEETING, Parliamentary Procedure—Terrace Room
10:30 A.M.: SOCIAL PROGRAM—Visit to Decorator's Studio and Luncheon, Beck's Char-
Oak. 1:15 P.M.: Tour of Steel Mills

TUESDAY, OCTOBER 21, 1958

- 8:00 A.M.-5:00 P.M.: REGISTRATION—Check Room, 18th Floor
9:00 A.M.-12:30 P.M. and 2:00-5:30 P.M.: REFRESHER COURSES, 4th Floor
12:40 P.M.: ROUND TABLE LUNCHEON—Ballroom, 17th Floor
9:00 A.M. and 2:30 P.M.: MOTION PICTURES—Ballroom, 17th Floor
9:00 A.M. and 2:30 P.M.: ORGANIZATIONAL MEETING, HOUSE OF DELEGATES—Terra-
Room
9:00 A.M.-5:30 P.M.: SCIENTIFIC AND TECHNICAL EXHIBITS—17th Floor
10:30 A.M.: SOCIAL PROGRAM—Sightseeing Tour of Pittsburgh and Oakland, Luncheon
Park Schenley Restaurant. 6:00 P.M.: Reception by Local Committee—Pittsburgh
Room, Lower Lobby

WEDNESDAY, OCTOBER 22, 1958

- 8:00 A.M.-5:00 P.M.: REGISTRATION—Check Room, 17th Floor
9:00 A.M. and 2:30 P.M. PANEL DISCUSSIONS
MORNING: Ballroom, 17th Floor—*The Exchange of Water and Electrolytes During the
Operative Period*: John J. Bonica, M.D., and Leroy D. Vandam, M.D.,
Chairmen; Mark A. Hayes, M.D., John M. Kinney, M.D., and Solomon
Papper, Participants
Pittsburgh Room, Lower Lobby—*Resuscitation: Pneumatic, Electronic and
Expired Air*: Pearl G. McNall, M.D., and James O. Elam, Chairmen; Peter
Safar, M.D., Stanley J. Sarnoff, M.D., Archer S. Gordon, M.D., and
Col. John A. Jenicke

AFTERNOON: Ballroom, 17th Floor—*Morbidity and Mortality in the Operating Room; Where Lies the Responsibility:* S. G. Hershey, M.D., and M. Digby Leigh, M.D., Chairmen; Leonard Bachman, M.D., John Adriani, M.D., Bernard Fisher, M.D., William B. Keisewetter, M.D., Robert R. MacDonald, M.D., and Jack D. Myers, M.D., Participants

Pittsburgh Room, Lower Lobby—*The Monitoring of Vital Functions During Anesthesia:* Robert T. Patrick, M.D., and Duncan A. Holaday, M.D., Chairmen; John W. Bellville, M.D., William K. Hamilton, M.D., John Severinghaus, M.D., and Seymour Schotz, M.D.

12:40 P.M.: **PANEL LUNCHEON**—Ballroom, 17th Floor—*Biomedical Aspects of Space Flight:* Brigadier General Don Flickinger, USAF, Speaker

9:00 A.M. and 2:30 P.M.: **MOTION PICTURES**—Aero Room, Club Floor

9:00 A.M. and 2:30 P.M.: **ORGANIZATIONAL MEETING**, Reference Committees—17th Floor

9:00 A.M.—5:30 P.M.: **SCIENTIFIC AND TECHNICAL EXHIBITS**—17th Floor

12:30 P.M.: **SOCIAL PROGRAM**—Luncheon and Fashion Show at Kaufmann's Department Store
6:00 P.M.: Reception and Premier Showing of Film—*Operating Room Hazards*, Pittsburgh Room

THURSDAY, OCTOBER 23, 1958

8:30 A.M.—5:00 P.M.: **REGISTRATION**—Check Room, 17th Floor

9:00 A.M. and 2:30 P.M.: **SCIENTIFIC PAPERS ON "WORK COMPLETED"**—Ballroom, 17th Floor

MORNING: Perry P. Volpitta, M.D., Chairman

Methohexital—A New Ultra Short Acting Barbiturate: Cyril Taylor and Vernon K. Stoelting, M.D.

The Relief of Intractable Abdominal Pain by Serial Epidural Injection of Varying Concentrations of Alcohol: Irant H. Stone, M.D., and Celeste C. Donnell, M.D.

Oxygen CO₂ Transport in Man, During Artificial Ventilation with a CO₂ Regulated Respiator: M. J. Frumin, M.D., N. A. Bergman, M.D., and D. A. Holaday, M.D.

The Effects of Muscle Temperature on the Action of d-Tubocurarine, Decamethonium and Succinylcholine in Man: T. H. Cannard, M.D., E. Zaimis, M.D., and K. Ichiyannagi, M.D.

The Combined Use of Depolarizing and Non-Depolarizing Muscle Relaxants: Deryck Duncalf, M.D., Francis F. Foldes, M.D., Henry Brunn, M.D., and Ludwin R. Koukal, M.D.

A Controlled Study of Complications and Death During and Following Anesthesia and Surgery: J. P. Bunker, M.D., H. H. Bendixen, M.D., M. K. Sykes, M.D., D. P. Todd, M.D., and H. K. Beecher, M.D.

Blood Dyscrasias As an Anesthetic Problem: Jay Jacoby, M.D., and William Hamelberg, M.D.

AFTERNOON: Leroy D. Vandam, M.D., Chairman

A Feasible Method for Multiple Determinations of Cardiac Output in Anesthetized Patients: Richard T. Cathcart, M.D., Thomas F. Nealon, Jr., M.D., William Fraimow, M.D., Louis J. Hampton, M.D., and John H. Gibbon, Jr., M.D.

Newer Aspects of Management of Open Heart Surgery: David Mendelsohn, Jr., M.D., Thomas N. Mackrell, M.D., and Douglas MacDonald, M.D.

Renal Function During Anesthesia for Cardiovascular Surgery: George Morris, Jr., M.D., John H. Moyer, M.D., and Michael E. De Bakey, M.D.

Body Surface Area As a Dosage Criterion in Fluid Therapy: W. D. Snively Jr., M.D.

Relationship of Bowel and Liver to Drug Protection Against Shock: E. A. Rovenstine, M.D., S. G. Hershey, M.D., S. Lanza, M.D., A. Baez, M.D., and S. Baez, M.D.

Nesacaine (2-Chloroprocaine)—Its Relative Nontoxicity as Demonstrated by In Vivo Studies: F. Paul Ansbro, M.D.

The Nervous Effects of Drugs and Metabolic Poisons Measured by the Electroretinogram: Werner K. Noell, M.D.

Acetylcholine: Its Significance in Controlling Ciliary Activity of Human Respiratory Epithelium In Vitro: Gunter Corssen, M.D., and Charles R. Allen, M.D.

9:00 A.M. and 2:00 P.M.: SCIENTIFIC PAPERS ON "WORK IN PROGRESS"—Pittsburgh Room, Lower Lobby

MORNING: James E. Eckenhoff, M.D., Chairman

The Relative Potency of Two Ganglionic Blockers: BW54-48 and Tetraethylammonium: J. W. Belleville, M.D., J. C. Seed, M.D., N. Sager, B.S., K. C. Colville, M.D., and W. S. Howland, M.D.

The Effect of Anesthesia and Muscle Relaxants on the Elastic Properties of the Human Thorax: Walter H. Massion, M.D., and J. M. White, M.D.

Effects of Muscle Relaxants on the Lungs and Circulation of Man: Thomas J. Dekornfeld, M.D., and Peter Safar, M.D.

Postoperative Disturbances in Ventilation Following the Use of Muscle Relaxants in Anesthesia: Henrik H. Bendixen, M.D., Trutomu Oyama, M.D., A. Dennis Surtees, M.D., and John P. Bunker, M.D.

The Effect of Neuromuscular Blocking Agents on the Esophagus: E. L. Fredericksen, M.D., and E. A. Schenk, M.D.

Cardio-Circulatory Effects of Muscle Relaxants During Cyclopropane Anesthesia in Humans: T. H. Li, M.D., and Benjamin Elsten, M.D.

Clinical Investigation of R01-5733, A New Curare Antagonist: Ludwig S. Koukal, M.D., Francis F. Foldes, M.D., John F. Zeelick, M.D., and Deryck Duncaif, M.D.

The Hemodynamic Response to Alterations in Circulating Calcium: Hans J. Eberlein, M.D., William R. Brewster, M.D., and John P. Bunker, M.D.

A Simple Method of Removing Potassium and Ammonium from Bank Blood: David C. Schechter, M.D., Thomas F. Nealon, Jr., M.D., and John M. Gibbon, Jr., M.D.

The Effect of Cyclopropane Anesthesia on Blood Clotting: W. S. Howland, M.D., Marjorie Zucker, Ph.D., and C. Paul Boyan, M.D.

Effects of Anesthesia on Renal Function: Louis W. Lewis, M.D., and Jack Lapidus, M.D.

The Postoperative Renal Excretion of Water in Infants: Daniel S. Fleisher, M.D., Wallace W. McCrory, M.D., and Leonard Bachman, M.D.

AFTERNOON: William K. Hamilton, M.D., Chairman

Polarographic Method for Arterial Oxygen Tension Studies During Nitrous Oxide-Oxygen Anesthesia: Morris L. Heller, M.D., Ferdinand Kreuzer, M.D., and Richard Watson, Jr., M.D.

Electrodes for Blood pO_2 and pCO_2 Determination: John W. Severinghaus, M.D., and A. Freeman Bradley, M.D.

The Production of Precisely Measured, Quantitative Mixtures of Anesthetic Vapors in Oxygen: M. Jack Frumin, M.D., Arnold S. J. Lee, B.A., H. Rackow, M.D., E. Salanitro, M.D., and E. M. Papper, M.D.

Gas Chromatography in Anesthesiology: F. W. Summers, M.D., and John Adriani, M.D.

An Application of Analog Computational Methods Through Physiologic Recordings: William Thornton, B.S., Kenneth Sugioka, M.D., and David A. Davis, M.D.

An Appraisal of the Efficacy of Vesprin in Anesthesia: Hrant H. Stone, M.D., and Celeste C. Donnelly, M.D.

Glutethimide (Doriden) as an Anesthetic Agent: C. R. Stephen, M.D.

The Modification by Thiopental of the Cardiovascular Responses to Electroshock Therapy: Lawrence D. Egbert, M.D., Peter A. Dumas, M.D., and George C. Ginter, M.D.

Measurement of Electrical and Mechanical Events of the Cardiac Cycle During Cyclopropane Anesthesia: David M. Little, Jr., M.D., and James B. Given, M.D.

Comparative Studies of Hepatic Function Following Anesthesia with the Halogenated Agents: Lucien E. Morris, M.D.

Effect of Ether Anesthesia on Human Skeletal Muscle Metabolism: Dorothy H. Henneman, M.D., and Leroy D. Vandam, M.D.

A Clinical and Electroencephalographic Study of the Changes Observed in Humans During Prolonged Administration of Low Graded Concentrations of Diethyl Ether: Benton D. King, M.D., Stanley W. Weitzner, M.D., and Harry A. Kaplan, M.D.

12:40 P.M.: PANEL LUNCHEON—Ballroom, 17th Floor—*The Influence of Disease on the Course of History:* George T. Pack, M.D., Speaker

9:00 A.M. and 2:30 P.M.: ORGANIZATIONAL MEETING, HOUSE OF DELEGATES—Terrace Room

9:00 A.M.—5:30 P.M.: SCIENTIFIC AND TECHNICAL EXHIBITS—17th Floor

11:00 A.M.: SOCIAL PROGRAM—Boat Trip on the "Three Rivers." 8:00 P.M.: Dinner Dance, Ballroom, 17th Floor

FRIDAY, OCTOBER 24, 1958

8:30 A.M.—5:00 P.M.: REGISTRATION—Check Room, 17th Floor

9:00 A.M. and 2:30 P.M.: SCIENTIFIC PAPERS ON "WORK COMPLETED"—Ballroom, 17th Floor

MORNING: E. M. Papper, M.D., Chairman

Carbon Dioxide Production and Excretion During Anesthesia: George Miller, M.D., and John Adriani, M.D.

Oxygen Uptake and Carbon Dioxide Excretion in the Anesthetized and Paralyzed Patient: Louis R. Orkin, M.D., George Morales, M.D., Rodrigo Gabuyé, M.D., and Thomas Chun, M.D.

The Development of the Laryngoscope: Robert A. Miller, M.D.

Cerebrospinal Fluid Pressure Response During Hypercapnia and Hypoxia: H. S. Small, M.D., S. W. Weitzner, M.D., and G. G. Nahas, M.D.

Does Respiratory Acidosis Influence the Arterial Blood Pressure During Cyclopropane Anesthesia? Benjamin Etsten, M.D., and T. H. Li, M.D.

Anomalies of Ventilation During Anesthesia: C. R. Stephen, M.D.

The Resuscitation Dilemma: P. Safar, M.D., and L. A. Escarraga, M.D.

Effects of Moisture Content on the Exhaustion Rate of Soda Lime: Elwyn G. Brown, M.D., and Veronica Bakamjian, M.D.

AFTERNOON: Louis J. Hampton, M.D., Chairman

A Technique for Measuring Concentrations of Fluothane During Closed Circuit Anesthesia with an Infra-red Analyser: Deirdre M. Gillies, M.B., Ch.B., J. G. Robson, F.F.A.R.C.S., W. G. Cullen, M.D., F.A.C.A., and H. R. Griffiths, M.D., F.A.C.A.

A Clinical Comparison of Chloroform and Fluothane by a Blind Study Technique: Betty J. Bamforth, M.D., Karl L. Siebecke, M.D., John E. Steinhilber, M.D., and O. Sidney Orth, M.D.

A Comparative Study of the Circulatory Depression Produced by Fluothane, Chloroform, Cyclopropane and Ethyl Ether: David A. Davis, M.D., Kenneth Sugioka, M.D., Norman O. Reese, M.D., J. William Caffey, M.D., Joseph S. Redding, M.D., Samuel R. Smith, M.D., and Charles Fowler, M.D.

Acid-Base Homeostasis During Fluothane Anesthesia: Allen B. Dobkin, M.D., *Plasma Epinephrine and Norepinephrine Concentrations During General Anesthesia in Man:* H. L. Price, M.D., R. E. Jones, M.D., M. L. Price, A.B., and R. D. Dripps, M.D.

Variations in the Response to Vasopressors in the Presence of Promethazine (Phenergan), Mepazine (Pactal) and Chlorpromazine (Thorazine): G. W. Eggers, Jr., M.D., Gunter Corrsen, M.D., and Charles R. Allen, Ph.D., M.D.

Studies on Renal Vasoconstrictor Responses: Antonio Boda, M.D., Samuel R. Powers, Jr., M.D., and Arthur A. Stein, M.D.

Blood Pressure Monitoring System: D. E. Hale, M.D., W. L. Proudfit, M.D., and Joseph Dobosy

Concerning Nausea and Vomiting During Spinal Anesthesia: Julie S. Crocker, M.D., and Leroy D. Vandam, M.D.

9:00 A.M. and 2:00 P.M.: SCIENTIFIC PAPERS ON "WORK IN PROGRESS"—Pittsburgh Room, Lower Lobby

MORNING: Arthur S. Keats, M.D., Chairman

Prolonged Maintenance of Coronary Sinus Catheters in Dogs: A Technique for the Study of Myocardial Metabolism in the Conscious and Anesthetized State: S. J. Galla, M.D., A. W. R. Williamson, F.R.C.S., and L. D. Vandam, M.D.

The Prevention and Treatment of Cardiac Arrhythmias with Lidocaine: Philip Hitchcock, Ph.D., M.D., and Kenneth K. Keown, M.D.

Histopathological Effects of Prolonged and Repeated Exposures of Nerve Tissues to Local Anesthetics: Philip Pizzolato, M.D., and O. J. Renegar, M.D.

Arterial Oxygen Saturation in the Severely Burned Patient: Its Significance to the Anesthesiologist: Capt. Fred K. McCune, MC, Capt. Charles Baxter, MC, Capt. Jerome Decosse, MC, and Lt. Col. John A. Jenicke, MC

Circulatory Responses to Carbon Dioxide in Human Volunteers: Philip H. Seehzer, M.D., and Lawrence D. Egbert, M.D.

The Effect of Reserpine on the Action of Various Vasopressors and Anesthetic Agents: E. I. Eger, M.D., and W. K. Hamilton, M.D.

Innovations in Inhalation Anesthesia Equipment: Mask, Valves, Absorber, Vaporizer and the "Ventimeter": James O. Elam, M.D.

Bronchoscopy and Laryngoscopy with the Wrap-Around Chest Respirator: Sidney W. Helperin, M.D., and Walter H. Waskow, M.D.

Electromyography of the Diaphragm: B. R. Fink, M.D., and Shih-Hsun Ngai, M.D.

The Effect of Varied Expiratory Pressures Upon the Lung Volume During Artificial Respiration: N. A. Bergman, M.D., E. Salanitro, M.D., H. Rackaw, M.D., and M. J. Frumin, M.D.

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The Effect of Alternating Positive and Negative Endotracheal Pressures on the Caliber of the Bronchi: S. Lynch, M.D., A. Levy, M.D., and K. Ellis, M.D.

A Comparison of Thiopental Meperidine and Lidocaine as Depressants of the Cough Reflex: John E. Steinhaus, M.D.

AFTERNOON: Benjamin Etsten, M.D., Chairman

Evaluation of Medication for Labor: C. W. White, Jr., M.D., and George M. Ryan, M.D.

Influence of Premedicating Drugs on Vasomotor Stability During Spinal Anesthesia: Miguel Santiago, M.D., T. M. Moore, Jr., M.D., and Robert B. Dodd, M.D.

The Combined Use of Narcotics and Narcotic Antagonist for Premedication: Henry M. Brunn, Jr., M.D., Francis F. Folds, M.D., Pearl G. McNeill, M.D., and Ludwig R. Koukal, M.D.

The Effects of Combinations of Promethazine and Meperidine on the Respiratory Center in Man: Joseph M. White, M.D., and James F. Hammarsten, M.D.
Comparative Respiratory Effects of Commonly Used Hypnotic and Analgesic Drugs in the Young and in the Aged: Yoshio Kurosui, M.D., and Arthur S. Kents, M.D.

Pediatric Anesthesia: An Evaluation of Methods of Premedication: Alfred Freeman, M.D., and Leonard Bachman, M.D.

New Approaches to Anti-Emetic Drug Evaluation: Carter M. Ballinger, M.D., and Issaku Ueda, M.D.

Electroencephalographic Patterns During Hypothermia and Occluded Circulation: Verne L. Brachner, M.D., and John Dillon, M.D.

Electric Activity of the Heart During Hypothermia: T. C. West, Ph.D., and E. L. Fredericksen, M.D.

Studies of Techniques for Induction of Hypothermia: William H. L. Dornette, M.D.

The Effect of Anesthesia on Thyroid Activity in Humans: N. M. Greene, M.D., and I. S. Goldenberg, M.D.

The Effect of Certain Anesthetic Agents and Techniques on the Twenty-Four Hour I-131 Uptake: Major William H. Wright, MC, and Capt. Alan C. Randall, MC

12:40 P.M.: LUNCHEON FOR COMMITTEE CHAIRMEN—Club Room, 4th Floor

9:00 A.M. and 2:30 P.M.: MOTION PICTURES—Aero Room, Club Floor

9:00 A.M.: ORGANIZATIONAL MEETING, BOARD OF DIRECTORS—Terrace Room

9:00 A.M.-2:00 P.M.: SCIENTIFIC AND TECHNICAL EXHIBITS—17th Floor

SATURDAY, OCTOBER 25, 1958

1:30 P.M.: SOCIAL PROGRAM, University of Pittsburgh—Army Football Game