

Aero Medical Association

Scientific Program for Twenty-Third Annual Meeting Washington, D. C., March 17-19, 1952

ALL PHASES of the many current problems and innovations in aviation medicine together with new and interesting scientific exhibits will be presented at the twenty-third annual meeting of the Aero Medical Association in Washington, D. C., March 17-19, 1952, under the presidency of Major General Harry G. Armstrong, Surgeon General of the Air Force.

The afternoon of the first day of the meeting, which will be held at the Statler Hotel, will be devoted to a combined airline and Civil Aeronautics Authority medical examiners forum with Dr. W. B. Smith of Hartford, Connecticut, acting as moderator. Emphasis will be placed on the psychiatric aspects of the physical examination for flying in the panel discussions which are being arranged for this part of the program. On March 19, the Space Medicine Branch of the Association has planned a series of presentations immediately preceding and following a luncheon sponsored by this group.

Individual papers which at press time had been accepted for presentation, according to Captain J. L. Holland, MC, USN, Chairman of the Scientific Program Committee, follow:

"Vision from the Prone Position in Aircraft" by Lt. Col. G. O. Emerson USAF (MC), Aero Medical Laboratory, Wright-Patterson Air Force Base, Dayton, Ohio.

"EKG Studies on Human Subjects Breathing Oxygen at Extreme High Pressures" by Maj. D. I. Mahoney USAF (MC) and Capt. J. V. Kennedy USAF (MC), Aero Medical Laboratory, Wright-Patterson Air Force Base, Dayton, Ohio.

"Forces Produced in the Thorax by Explosive Decompression" by 1st Lt. E. G. Vail USAF (MC), Aero Medical Laboratory, Wright-Patterson Air Force Base, Dayton, Ohio.

"High Altitude Resuscitator" by Dr. D. R. Good, Aero Medical Laboratory, Wright-Patterson Air Force Base, Dayton, Ohio.

"The General Practice of Training" by Cdr. L. S. Beals, Jr. (MC) USN, Special Devices Center, Long Island, New York.

"Monocular Depth Perception in Flying" by Dr. H. Rose, School of Aviation Medicine, Randolph Field, Texas.

"Eye Movements During Radar Observations" by Dr. S. J. Gerathewohl, School of Aviation Medicine, Randolph Field, Texas.

"Serum Lipoproteins During Aging of Air Force Flying Personnel" by Maj. L. J. Milch, 1st Lt. R. F. Redmond, et al, School of Aviation Medicine, Randolph Field, Texas.

"Preliminary Report on Physiological Negative G Studies on the 50-foot Centrifuge" by Lt. J. E. Ziegler (MC) USN, 1st Lt. R. L. Wechsler (MC) USAR, Lt. T. D. Duane (MC) USNR, Lt. Cdr. E. L. Beckman (MC) USN, Aviation Medical Acceleration Laboratory, NADC, Johnsville, Pennsylvania.

"Involuntary Hyperventilation During Pressure Breathing at 43,000 Feet" by Lt. A. L. Hall (MSC) USN, School of Aviation Medicine, NAS, Pensacola, Florida.

"Variability in the Tolerance of Adult Males to Positive Radial Acceleration"

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by Lt. Cdr. F. R. Stauffer (MC) USN, School of Aviation Medicine, NAS, Pensacola, Florida.

"Preliminary Studies on the Ease with Which Pilots Can Grasp and Pull the Ejection Seat Face Curtain Handles" by Lt. L. B. Cochran (MSC) USN, School of Aviation Medicine, NAS, Pensacola, Florida.

"Exposure Hazards from Cosmic Radiation Beyond the Stratosphere and in Free Space" by Dr. H. J. Schaefer, USN School of Aviation Medicine, Pensacola, Florida.

"An Apparatus for the Continuous Determination of Cardiac Output by the Fick Principle" by Drs. I. L. Patterson, Jr., R. A. Lee, Frederick Dixon, and J. V. Warren, Emory University.

"Crash Worthiness of Aircraft and Crash Injury Prevention" by Dr. E. J. Baldes, Mayo Clinic, Rochester, Minnesota.

"The Influence of Loud Speaking on Pulmonary Gas Exchange" by Dr. F. G. Hall, Duke University; Dr. J. W. Black, Ohio State University; Dr. K. K. Neely, Ohio State University; Dr. K. Hall, Duke University.

"Operational Aviation Medicine" by Cdr. S. I. Brody (MC) USN, Air Development Squadron, NAS, Atlantic City, New Jersey.

"The Reminiscences and Observations of a Civilian Flight Surgeon" by Dr.

William Smith, Air Line Medical Examiners Association, Wethersfield, Connecticut.

"Experimental Approach to Airman Certification" by Dr. R. M. Miller, Regional Medical Officer, CAA, New York.

"Myoglobin Studies During Adaptation to Altitude" by Dr. R. T. Clark, Jr., USAF School of Aviation Medicine, Randolph AFB, Texas.

"Effects of Various Degrees of Hypoxia on Pulmonary and Systemic Hemodynamics in Narcotized Dogs" by Drs. E. F. Beard and J. D. Alexander and Lt. Col. T. W. Howell, USAF School of Aviation Medicine, Randolph AFB, Texas.

"Air Transportation of Neuropsychiatric Patients" by Col. B. A. Strickland, Jr., and Capt. Charles Ferris, Gunter Air Force Base, Alabama.

"Pathological Changes in the Central Nervous System After Negative G" by Dr. H. Ratcliffe, University of Pennsylvania, and Lt. Cdr. E. L. Beckman (MC) USN, Aviation Medical Acceleration Laboratory, Johnsville, Pennsylvania.

"The Effect of Variations in Alveolar Oxygen and Carbon Dioxide Tensions on the Latent Period of Blackout Due to Increased Intraocular Pressure" by Dr. E. H. Lambert, Mayo Clinic, and Dr. A. G. Hilding Bjurstedt, Karolinska Institute, Stockholm, Sweden.