

WHAT ARE WE LEARNING IN SPACE MEDICINE? (HUMAN ADAPTATION TO SPACE), with Charles A. Berry, M.D., Director of Medical Research and Operations, NASA, Houston, Texas. Dr. Berry reveals how he and his team of physicians have answered the question: "What is the worst thing that can happen to the astronauts during a flight?" Such considerations as prophylactic surgery and medication aboard the flight are disclosed. (14 minutes) (in color). **2313705**

WHAT ARE WE LEARNING IN SPACE MEDICINE? (IN-FLIGHT CONCERNS), with Charles A. Berry, M.D., Director of Medical Research and Operations, NASA, Houston, Texas. Dr. Berry takes us through the countdown of medical activity during a rocket launch. He offers anecdotes, supplemented with official NASA film — such as the implications of losing Alan Shepard, Jr.'s EKG sensor prior to Apollo 14 liftoff. (28 minutes) (in color) **2313704**

WHAT ARE WE LEARNING IN SPACE MEDICINE? (THE PHYSIOLOGICAL ENVIRONMENT), with Charles A. Berry, M.D., Director of Medical Research and Operations, NASA, Houston, Texas. Among the many medical problems Dr. Berry highlights in this telecast are loss of red cell mass on long flights and new monitoring leads for various bodily functions with a suggestion of how they might be used in "conventional" patient practice. (13 minutes) (in color) **2313703**

WHAT IS A COMPUTER?

A tour through a computer laboratory with demonstrations of the computer's use in medicine — with Leo Joseph Tick, M.D., Research Professor of Geophysical Statistics, New York University School of Engineering and Science. (19 minutes). **2303201**

INTENSIVE CARE

A COMPREHENSIVE INTENSIVE CARE UNIT IN A GENERAL HOSPITAL — PART I — "History and Organization" — with Albert H. Douglas, M.D., Director, Department of Medicine, and Erwin Lear, M.D., Director, Department of Anesthesiology, Queens Hospital Center; Edward Meilman, M.D., Physician-in-Chief of Medicine, and Charles Trey, M.D., Attending Physician, The Long Island Jewish Hospital. (17 minutes). **0301931**

A COMPREHENSIVE INTENSIVE CARE UNIT IN A GENERAL HOSPITAL — PART II — "Clinical Applications" — with Albert H. Douglas, M.D., Director, Department of Medicine, and Erwin Lear, M.D., Director, Department of Anesthesiology, Queens Hospital Center; Edward Meilman, M.D., Physician-in-Chief of Medicine, and Charles Trey, M.D., Attending Physician, The Long Island Jewish Hospital. (16 minutes). **0302032**

ACUTE RESPIRATORY INSUFFICIENCY: MECHANISMS AND DIAGNOSIS, with Alfred P. Fishman, M.D., Associate Dean of the University of Pennsylvania School of Medicine and Director of the Cardiovascular Pulmonary Division; and Robert M. Rogers, M.D., Assistant Professor of Medicine and Director of the Respiratory Intensive Care Unit. The general principles of diagnosing respiratory failure are presented for physicians unfamiliar with the recent advances in pulmonary physiology and respiratory intensive care. (18 minutes) (in color) **0110104**

BEDSIDE PULMONARY ARTERY CATHETERIZATION, with T. Crawford McAslan, M.D., Associate Clinical Director, Maryland Institute for Emergency Medicine, and Professor of Anesthesiology, University of Maryland School of Medicine, Baltimore.

An introduction to the Swan-Ganz flow-directed, balloon-tipped catheter. Indications, method of insertion at bedside, and techniques for avoiding complications. (15 minutes) (in color) **0223621**

CARE OF THE CRITICALLY ILL. How new techniques of monitoring and computers are contributing to the care of the acutely ill patient are demonstrated by Paul K. Hanashire, M.D., Assistant Professor of Medicine, University of Southern California School of Medicine. (16 minutes). **0307603**

CONTAMINATION OF INTRAVENOUS INFUSIONS, with Richard J. Duma, M.D., Chairman, Division of Infectious Diseases and Immunology, and Associate Professor of Medicine, The Medical College of Virginia, Richmond, and President-Elect of the National Foundation for Infectious Diseases. How to recognize and prevent contamination of intravenous infusions. (A Drug Spotlight Program, presented in cooperation with the American Society for Clinical Pharmacology and Therapeutics) (17 minutes) (in color) **0321781**

INTERNAL JUGULAR VEIN CATHETERIZATION, with T. Crawford McAslan, M.D., Associate Clinical Director, Maryland Institute for Emergency Medicine, and Professor of Anesthesiology, University of Maryland School of Medicine, Baltimore.

The internal jugular vein . . . an attractive alternative to the basilic with its high failure rate and the subclavian with its high incidence of pneumothorax. (11 minutes) (in color) **0923735**