

SUPPORTING DOCUMENTS

HISTORY

USAF AEROSPACE MEDICAL CENTER

BROOKS AIR FORCE BASE, TEXAS

VOLUME II

1 JULY 1960 - 31 DECEMBER 1960

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MEDICAL RESEARCH ACTIVITIES

SCHOOL OF AVIATION MEDICINE

BROOKS AFB
FISCAL YEAR 61

NEW RESEARCH TASKS ANNOUNCED

OCTOBER 1960

7756-180 - CARDIO-PULMONARY PHYSIOLOGY IN SURGICALLY CORRECTABLE HEART DISEASE. INTERNAL MEDICINE BRANCH

7756-181 - ANTIGENOUS CORTICAL BONE GRAFT WITH INTACT NUTRIENT VASCULAR SUPPLY. EXPERIMENTAL SURGERY BRANCH

7756-182 - TIME VITAL CAPACITY AND AIR FLOW RATES IN UPPER RESPIRATORY INFECTIONS OF AIR FORCE PERSONNEL. INTERNAL MEDICINE BRANCH

7756-183 - 1. EFFECT OF DEHYDRATED PANCREAS ON; (A) ORAL CALCULUS, (B) GINGIVAL INFLAMMATION, AND 2. THE VALUE OF DEHYDRATED PANCREAS AS A DEBRIDEMENT AGENT IN THE TREATMENT OF PERIODONTAL DISEASES, AND AS AN ORAL PROPHYLACTIC AGENT. EXPERIMENTAL DENTISTRY BRANCH

7756-184 - AN EVALUATION OF PROBLEM AREAS OCCURRING DURING THE APPLICATION OF STANNOUS FLOURIDE PASTE (SAM-X-5) TO THE TEETH OF APPROXIMATELY 3,000 SCHOOL CHILDREN. EXP. DENTISTRY BRANCH

7756-185 - ERYTHROPOIETIC STIMULATION INDUCED BY NUCLEIC ACID DERIVATIVES FROM HUMAN RED CELLS. MICROBIOLOGY BRANCH

7756-186 - A STUDY OF ATELECTASIS RELATED TO BREATHING OXYGEN CONCENTRATION AND "G" FORCES IN FIGHTER PILOTS. (In-House Task) FLT. MED BR

7756-187 - AN EVALUATION OF ONE METHOD OF STABILIZING PERIODONTALLY WEAKENED TEETH WITH A COMBINATION OF PERIODONTAL THERAPY & REMOVABLE PROSTHESIS UTILIZING GUIDE PLANES. CLINICAL DENTISTRY BRANCH

7757-42(a) - STUDY DOSE-RESPONSE RELATIONSHIPS IN MAMMALIAN ACUTE HEMATOLOGIC RADIATION INJURY. RADIOBIOLOGY BRANCH

7757-42(b) - STUDY DOSE-RESPONSE RELATIONSHIPS IN MAMMALIAN ACUTE HEMATOLOGIC RADIATION INJURY. RADIOBIOLOGY BRANCH

7758-146 - CONVULSIVE MECHANISM OF HEDRAZINE DERIVATIVES AND RADIATION. (In-House Task) EXPERIMENTAL TOXICOLOGY BRANCH

7930-33 - ENDOGENOUS PULMONARY HEAT EXCHANGER FOR PROFOUND HYPOTHERMIA TOGETHER WITH SUBACUTE HIBERNATION. EXP. SURGERY BRANCH

NOVEMBER 1960

7756-178 - A QUANTITATIVE IMMUNOCHEMICAL INVESTIGATION OF CERTAIN ASPECTS OF THE RENAL EXCRETION OF PROTEIN BY PATIENTS WITH ORTHOSTATIC PROTEINURIA & BY THE NORMAL MAMMALIAN KIDNEY. MICRO-BIO BR

7757-23 - ANALYSIS OF RADIATION INJURY TO BRAIN CELLS WITH TISSUE CULTURE METHOD. RADIOLOGY BRANCH

DECEMBER 1960

7757-67041 - DEVELOPMENT & PREPARATION OF TIME-DELAY-RELEASE TABLETS FOR THE SPECIALIZED ADMINISTRATION OF RADIO-PROTECTIVE DRUGS TO SMALL PRIMATES. RADIOBIOLOGY BRANCH

RESEARCH TASKS TERMINATED

OCTOBER 1960 - - - NONE

NOVEMBER 1960

7756-19 - OCULAR BURNS. (Contract with Tulane Univ.) OPHTH. BRANCH

7756-123 - PLASMAPHERESIS-METHODS RESEARCH PROJECT. (Contract with Miami Heart Institute) INTERNAL MEDICINE BRANCH

7756-153 - THE ESTABLISHMENT OF AN ELECTROENCEPHALOGRAPHIC REPOSITORY. (In-House Task) NEUROPSYCHIATRY BRANCH

7758-133 - LIMB BLOOD FLOW AFTER EXERCISE DURING HUMAN ALTITUDE ACCLIMATIZATION. (Contract with University of Washington) PHYSIOLOGY BRANCH

7758-141 - AN INVESTIGATION OF THE POST HYPOXIC VENTILATORY RESPONSE TO VARIOUS OXYGEN ENRICHED MIXTURES. (In-House Task) PHYSIOLOGY BRANCH

7930-14 - INVESTIGATION OF HYPOTHERMIA ON ANIMALS. (Contract with Northwestern Univ.) BIODYNAMICS BRANCH

DECEMBER 1960

7753-39 - EVALUATION OF THE POST-MORTEM TEST FOR HYPOXIA IN THE HUMAN. (Contract with University of Texas) PATHOLOGY BRANCH

NEW RESEARCH REPORTS DISTRIBUTED

OCTOBER 1960

THE ARTERIAL PRESSURE-VOLUME CURVE OF THE HUMAN EXTREMITY MEASURED IN VIVO: THE EFFECTS OF AGE, ARTERIOSCLEROSIS, AND ORAL UNSATURATED FATTY ACIDS. (Report #60-61)

BIOLOGIC EFFECTS OF NUCLEAR RADIATION IN PRIMATES. (Report #60-66)

THE INFLUENCE OF HIGH ALTITUDES ON THE ELECTRICAL ACTIVITY OF THE HEART: ELECTRO-CARDIOGRAPHIC AND VECTOR-CARDIOGRAPHIC OBSERVATIONS IN THE NEWBORN, INFANTS AND CHILDREN. (Report #60-79)

PSYCHIATRY AND SPACE FLIGHT. (Report #60-88)

INFLUENCE OF INTERMITTENT EXPOSURE TO SIMULATED ALTITUDE ON ORGAN HISTOLOGY IN RATS. (Report #60-81)

AUDIOLOGIC FINDINGS IN AN UNUSUAL CASE OF EIGHT NERVE LESION. (Report #60-84)

NOVEMBER 1960

EFFECTS OF CHRONIC LOW DOSE NEUTRON IRRADIATION UPON PERIPHERAL BLOOD ELEMENTS IN THE MONKEY (MACACA MULATTA). (Rpt. #60-60)

AN APPARATUS FOR THE SPIRAL AFTEREFFECT TEST (SAET). (Report #60-69)

FLOW RATE RESPONSES OF THE HUMAN PAROTID GLAND. (Report #60-85)

A SIMPLE BEAM SPLITTER FOR THE ZEISS RUNDUS CAMERA. (Report #60-87)

THE PHYSIOLOGIC EFFECTS OF HYDRODYNAMICS INDUCED BY WATER IMMERSION. (Report #60-88)

DECEMBER 1960

GLOMERULAR FILTRATION AND RENAL PLASMA FLOW DURING HYPOTHERMIA. (Report #60-76)

A METHOD OF PHOTOGRAPHING FLUORESCENCE IN CIRCULATING BLOOD OF THE HUMAN EYE. (Report #60-82)

OFFICIAL PROGRAM



**SYMPOSIUM on the
MEDICAL and BIOLOGICAL
ASPECTS of the
ENERGIES of SPACE**

UNCLASSIFIED

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PUBLICATIONS OF THE SCHOOL OF AVIATION MEDICINE

Index, Fiscal Year 1960

**SCHOOL OF AVIATION MEDICINE
USAF AEROSPACE MEDICAL CENTER (ATC)
BROOKS AIR FORCE BASE, TEXAS**

January 1961

PUBLICATIONS FOR FISCAL YEAR 1960

A. Research Reports

- 60-1 William C. Levin, Martin Schneider, and Herbert B. Gerstner. Initial Clinical Reaction to Therapeutic Whole-Body X-radiation—Some Civil Defense Considerations, Nov. 1959. Radiobiology 7757-36.
- 60-2 E. Anne Dickens and Bernard Shapiro. Protein Binding of AET and Its Alteration by Ionizing Radiation, Jan. 1960. Radiobiology 7757-43.
- 60-3 James R. Neville. A Simple and Rapid Polarographic Method for Blood Oxygen Determination, Sept. 1959. Physiology-Biophysics 7758-96.
- 60-4 Margaret F. Allen and Lawrence J. Milch. Serum Lipid and Lipoprotein Concentrations in Military Academy Graduates—Trends from 1952 Through 1958, Oct. 1959. Pharmacology-Biochemistry and Biometrics 7756-10.
- 60-5 Loren C. Logie, W. Lynn Brown, Joseph S. Pizzuto, and John E. Overall. Some Evidence Suggesting the Perception of Moderate-Intensity Radiation Among Albino Rats, Sept. 1959. Radiobiology 7757-3.
- 60-6 Canceled.
- 60-7 Baltazar Reynafarje and Rowand R. Chaffee. Pyridine Nucleotide—Cytochrome C Reductases in Acclimatization to Cold, Dec. 1959. Physiology-Biophysics 7758-39.
- 60-8 Tulio Velasquez. Correlation Between Altitude and Consciousness Time in High-Altitude Natives, Dec. 1959. Physiology-Biophysics 7758-39.
- 60-9 Canceled.
- 60-10 Loren C. Logie, Milford D. Harris, Robert E. Tatsch, and Eugene N. Van Hooser. An Analysis of the $LD_{50/30}$ as Related to Radiation Intensity, Sept. 1959. Radiobiology 7757-3.
- 60-11 Vincent A. Segreto, Norman O. Harris, and Warren P. Hester. A Stannous Fluoride - Silex - Silicone Dental Prophylaxis Paste with Anticariogenic Potentialities, Nov. 1959. Dental Sciences 7756-148.

- 60-12 T. T. Odell, Jr., and A. C. Upton. Late Somatic Effects of Internally Deposited Radioisotopes, Jan. 1960. *Radiobiology* 7757-51.
- 60-13 Raj Raghu Bahadur. Probability and Statistics in Item Analysis and Classification Problems: On Classification Based on Responses to n Dichotomous Items, Sept. 1959. *Biometrics* 7755-23.
- 60-14 Henry B. Hale. Human Cardioaccelerative Responses to Hypoxia in Combination with Heat, Sept. 1959. *Physiology-Biophysics* 7758-22.
- 60-15 Thomas P. Leffingwell, Robert W. Riess, and George S. Melville, Jr. Liquid Scintillator Beta Counting of Iron-59 in Clear and Colored Systems, Mar. 1960. *Radiobiology* 7757-3.
- 60-16 Milton Vernon Johns. Probability and Statistics in Item Analysis and Classification Problems: An Empirical Bayes Approach to Non-parametric Two-Way Classification, Sept. 1959. *Biometrics* 7755-23.
- 60-17 James P. Ellis, Jr., Robert T. Clark, Jr., Walter A. Rambach, and John E. Pickering. Prompt Effects of High-Level Irradiation on Animal Metabolism, Jan. 1960. *Radiobiology* 7757-1.
- 60-18 David R. Rovner. Neutron Activation of Biologic Materials: Neutron Exposure Facility, Feb. 1960. *Radiobiology* 7757-41.
- 60-19 Lennart L. Kopra, Roger W. Fullington, and Lee F. Strickland. Relationship Between Alternate Binaural Bifrequency Loudness-Balance Test and Threshold Tone-Decay Test Responses in Normal and Subnormal Ears, Apr. 1960. *ENT* 7755-31.
- 60-20 Robert A. Davidson. Botanic Aspects of Pollinosis in the Area of San Antonio, Texas, Jan. 1960. *ENT* 7756-125.
- 60-21 Ira L. Shannon, John R. Prigmore, Robert A. Brooks, and Ralph P. Feller. Parotid Fluid, Serum, and Urine 17-Hydroxycorticosteroids Following a Two-Hour Intravenous Infusion of Adrenocorticotropin, Oct. 1959. *Pathology and Dental Sciences* 7758-23.
- 60-22 Joseph S. Pizzuto and Hugh L. Perry. A New Chronic Low-Dose Cobalt-60 Facility of the Radiobiological Laboratory, Jan. 1960. *Radiobiology* 7757-3.
- 60-23 Cesar Fernandez, Rene Alzate, and John R. Lindsay. Experimental Observations on Postural Nystagmus: Lesions of the Nodulus, Jan. 1960. *ENT* 7756-86.
- 60-24 Walter Sellers, Roland B. Mitchell, and Harry M. Hughes. Influence of Sodium Chloride on Fat Formation by *Escherichia Coli* and Certain Other Gram-Negative Bacteria, Jan. 1960. *Microbiology - Cellular Biology* 7756-127.

- 60-25 E. Hardin Strickland, Eugene Ackerman, and Adam Anthony. Effects of Altitude Acclimatization on the Equilibrium Constant of Rat Oxymyoglobin, Feb. 1960. *Physiology-Biophysics* 7758-72.
- 60-26 George S. Melville, Jr., and Robert W. Riess. Effects of Rare-Earth Nitrate and Oxide on Irradiated and Nonirradiated Rats, June 1960. *Radiobiology* 7757-3.
- 60-27 Lucian Szmyd and Clarence M. McCall, Jr. Restorative Dentistry Workload of the USAF Dental Service, Jan. 1960. *Dental Sciences* 7756-147.
- 60-28 Edwin M. Uyeki. Effect of X-irradiation on Spleen Nucleotide Levels, Apr. 1960. *Radiobiology* 7757-5.
- 60-29 George T. Hauty and G. R. Wendt. Secondary Ocular Nystagmus as a Function of Intensity and Duration of Acceleration, Apr. 1960. *Space Medicine* (Unnumbered).
- 60-30 James F. Jerger and Earl R. Harford. The Alternate and Simultaneous Binaural Balancing of Pure Tones, Jan. 1960. *ENT* 7755-19.
- 60-31 James Jerger and Tom Tillman. A New Method for the Clinical Determination of Sensori-Neural Acuity Level, Jan. 1960. *ENT* 7755-19.
- 60-32 Norman Weiner. Substrate Specificity of Brain Amine Oxidase of Several Mammals, Feb. 1960. *Pharmacology-Biochemistry* 7756-132.
- 60-33 Raymond A. Popp and G. E. Cosgrove. Solubility of Hemoglobin as a Red Cell Marker in Irradiated Mouse Chimeras, Feb. 1960. *Radiobiology* 7757-51.
- 60-34 Henry B. Hale and Roy B. Mefferd, Jr. Effects of Somatotropin on Metabolic Responses to Cold, Heat, and Altitude, Jan. 1960. *Physiology-Biophysics* 7758-45 and 7758-82.
- 60-35 J. A. Davis, Loren C. Logie, Eddie M. Robinson, and B. S. Heathington. A Correlation Analysis of the Relationship Between Weather Variables and Atmospheric Radioactivity, Feb. 1960. *Radiobiology* 7757-3.
- 60-36 W. Lynn Brown, John E. Overall, Loren C. Logie, and James E. Wicker. Lever-Pressing Behavior of Albino Rats During Prolonged Exposures to X-radiation, Feb. 1960. *Radiobiology* 7757-3.
- 60-37 J. B. Hickam and H. O. Sieker. Retinal Vascular Reactivity in Patients with Diabetes Mellitus and with Atherosclerosis, Feb. 1960. *Internal Medicine* 7756-29.

- 60-38 Canceled.
- 60-39 Hubertus Strughold and Oskar L. Ritter. Solar Irradiance from Mercury to Pluto, Feb. 1960. Advanced Studies Group (Unnumbered).
- 60-40 George S. Melville, Jr., and Thomas P. Leffingwell. Radioprotection of Female Rats with AET, May 1960. Radiobiology 7757-3.
- 60-41 Juergen Tonndorf. Shearing Motion in Scala Media of Cochlear Models, Apr. 1960. ENT 7756-113.
- 60-42 Juergen Tonndorf. Dimensional Analysis of Cochlear Models, Apr. 1960. ENT 7756-113.
- 60-43 Thomas P. Leffingwell, George S. Melville, Jr., and Quentin L. Hartwig. The Effect of Acute Doses of Nuclear Radiations on the Peripheral Blood Picture of the Monkey (*Macaca Mulatta*), Apr. 1960. Radiobiology 7757-3.
- 60-44 Canceled.
- 60-45 Canceled.
- 60-46 Clarence M. McCall, Jr., Lucian Szmyd, and Richard M. Ritter. A Study of Personality Characteristics in Patients with Temporomandibular Joint Symptoms, Mar. 1960. Dental Sciences 7756-116.
- 60-47 Melvin J. Fregly. Interaction of Adrenal and Thyroid Hormones in Maintenance of Body Temperature of Rats Exposed to Cold, May 1960. Physiology-Biophysics 7758-104.
- 60-48 Stephen M. Cain. Respiratory Effects of Carbonic Anhydrase Inhibition, June 1960. Physiology-Biophysics 7758-42.
- 60-49 Ira L. Shannon and John R. Prigmore. The Automatic Determination of Calcium, Inorganic Phosphate, Urea Nitrogen, and Glucose in Parotid Fluid, Apr. 1960. Pathology and Dental Sciences 7758-23.
- 60-50 Albert E. Sobel. Interrelationship of Tooth Composition, Body Fluids, Diet, and Caries Susceptibility, Aug. 1960. Dental Sciences 7756-83.
- 60-51 Canceled.
- 60-52 Raymond A. Popp and W. St. Amand. Studies on the Mouse Hemoglobin Locus: Identification of Hemoglobin Types and Linkage of Hemoglobin with Albinism, Apr. 1960. Radiobiology 7757-51.

- 60-53 Canceled.
- 60-54 Canceled.
- 60-55 Franklin Hutchinson. Dosimetry and Technic for the Irradiation of Biologic Samples with Heavy Ions, Dec. 1960. *Space Medicine* 7930-9.
- 60-56 G. W. Dolphin and Franklin Hutchinson. The Action of Fast Carbon and Heavier Ions on Biologic Materials: Inactivation of Dried Enzymes, Dec. 1960. *Space Medicine* 7930-9.
- 60-57 John E. Pickering, Wright H. Langham, and Walter A. Rambach (eds.). The Effects from Massive Doses of High Dose Rate Gamma Radiation on Monkeys, July 1960. *Radiobiology* 7757-6.
- 60-58 D. A. DeBias and K. E. Paschkis. Hormonal and Nervous Factors in the Rat's Tolerance to Reduced Barometric Pressure, May 1960. *Physiology-Biophysics* 7758-128.
- 60-59 Ira L. Shannon and John R. Prigmore. Parotid Gland Flow Rate and Patroid Fluid Urea Concentration, June 1960. *Pathology and Dental Sciences* 7758-23.
- 60-60 George S. Melville, Jr., Robert J. Young, Henry Borella, and John E. Pickering. Effects of Chronic Low Dose Neutron Irradiation upon Peripheral Blood Elements in the Monkey (*Macaca Mulatta*), Aug. 1960. *Radiobiology* 7757-3.
- 60-61 J. Edwin Wood. The Arterial Pressure-Volume Curve of the Human Extremity Measured In Vivo: The Effects of Age, Arteriosclerosis, and Oral Unsaturated Fatty Acids, Sept. 1960. *Internal Medicine* 7758-79.
- 60-62 William G. Malette, John B. Fitzgerald, and Ben Eiseman. Rapid Decompression: A Protective Substance, June 1960. *Experimental Surgery* 7758-132.
- 60-63 Raymond Reiser. Metabolism of Myristic and Linoleic Acids, July 1960. *Pharmacology-Biochemistry* 7756-108.
- 60-64 Mary E. Bates and Jack H. Bates. Blood Volume in Rats Exposed to Potential Space Cabin Atmospheres: Hematologic Responses to Pure Oxygen Atmospheres at 190 mm. Hg Total Pressure, July 1960. *Internal Medicine* 7930-25.
- 60-65 Norman Weiner. The Distribution of Monoamine Oxidase and Succinic Oxidase in Brain, June 1960. *Pharmacology-Biochemistry* 7756-132.
- 60-66 Robert W. Zellner and John E. Pickering. Biologic Effects of Nuclear Radiation in Primates, Aug. 1960. *Radiobiology* 7757-32.

- 60-67 Harold L. Bitter, W. O. Baentsch, and Bruce E. Jacobson. Extending the Range of the Cartesian Diver, Aug. 1960. *Radio-biology* 7757-35.
- 60-68 Richard E. McKenzie, Bryce O. Hartman, and Duane E. Graveline. An Exploratory Study of Sleep Characteristics in a Hypodynamic Environment, Oct. 1960. *Space Medicine* 7930-27.
- 60-69 Richard E. McKenzie and Bryce O. Hartman. An Apparatus for the Spiral Aftereffect Test (SAET), Sept. 1960. *Neuropsychiatry* 7755-9.
- 60-70 William E. Straile and Herman B. Chase. Development, Dosimetry, and Use of Micro-beams of X-rays for Simulating Microlesions Produced in Animal Tissues by Heavy Cosmic Ray Primaries, Oct. 1960. *Space Medicine* 7930-11.
- 60-71 Ralph P. Feller. Modification of the Trihydroxyindole Method for the Estimation of Epinephrine and Norepinephrine in Urine, Aug. 1960. *Pathology* 7758-23.
- 60-72 Bryce Hartman, Richard E. McKenzie, and Duane E. Graveline. An Exploratory Study of Changes in Proficiency in a Hypodynamic Environment, July 1960. *Neuropsychiatry and Space Medicine* (Unnumbered).
- 60-73 William G. Malette, John B. Fitzgerald, and Ben Eiseman. A Rapid Decompression Chamber for Small Animals, Aug. 1960. *Experimental Surgery* 7758-138.
- 60-74 Canceled.
- 60-75 Laverne C. Johnson, George A. Ulett, Jacob O. Sines, and John A. Stern. Cortical Activity and Cognitive Functioning, Oct. 1960. *Neuropsychiatry* 7752-14.
- 60-76 G. S. Kanter. Glomerular Filtration and Renal Plasma Flow During Hyperthermia, Sept. 1960. *Physiology-Biophysics* 7758-49.
- 60-77 Ira L. Shannon and John R. Prigmore. The Effect of Flow Rate on Parotid Fluid Composition, July 1960. *Pathology and Dental Sciences* 7758-23.
- 60-78 Canceled.
- 60-79 Dante Penaloza, Raul Gamboa, Juan Dyer, Max Echevarria, and Emilio Marticorena. The Influence of High Altitudes on the Electrical Activity of the Heart: Electrocardiographic and Vectorcardiographic Observations in the Newborn, Infants, and Children, Aug. 1960. *Physiology-Biophysics* 7758-39.

- 60-80 Bernard E. Flaherty, Don E. Flinn, George T. Hauty, and George R. Steinkamp. Psychiatry and Space Flight, Sept. 1960. Neuro-psychiatry and Space Medicine (Unnumbered).
- 60-81 Robert A. Brooks and Johnie L. Reeves. Influence of Intermittent Exposure to Simulated Altitude on Organ Histology in Rats, Sept. 1960. Physiology-Biophysics 7758-108.
- 60-82 H. R. Novotny and D. L. Alvis. A method of Photographing Fluorescence in Circulating Blood of the Human Eye, Sept. 1960. Internal Medicine 7756-29.
- 60-83 Clyde Biddulph, H. Hof, Richard Clancy, and E. B. Brown, Jr. Plasma and Tissue Electrolyte Changes Produced in Dogs by Hypercapnia, Hypocapnia, and Hypoxia, Sept. 1960. Experimental Toxicology 7758-97.
- 60-84 James Jerger. Audiologic Findings in an Unusual Case of Eighth Nerve Lesion, Sept. 1960. ENT 7755-19.
- 60-85 Ira L. Shannon and John R. Prigmore. Flow Rate Responses of the Human Parotid Gland, Sept. 1960. Pathology and Dental Sciences 7758-23.
- 60-86 Harry G. Albaum. The Effect of Central Nervous System Drugs on the Enzyme Activity of Rat Brain, Nov. 1960. Pharmacology-Biochemistry 7756-30.
- 60-87 John B. Hickam. A Simple Beam-Splitter for the Zeiss Fundus Camera, Sept. 1960. Internal Medicine 7756-29.
- 60-88 Duane E. Graveline and Bruno Balke. The Physiologic Effects of Hypodynamics Induced by Water Immersion, Sept. 1960. Space Medicine 7930-27.
- 60-89 L. Joe Berry and Dorothy S. Smythe. Effect of Cortisone on Protein Loss and Carbohydrate Gain in Normal and Altitude-Exposed Mice, Sept. 1960. Physiology-Biophysics 7758-132.
- 60-90 Canceled.
- 60-91 Canceled.
- 60-92 Anne E. Hudock and L. Joe Berry. Citric Acid Changes in Tissues of Male and Female Mice Exposed to Chronic Hypoxia and Fluoroacetate Poisoning and Their Bearing on Susceptibility to Mouse Typhoid Infection, Dec. 1960. Physiology-Biophysics 7758-132.
- 60-93 Stephen M. Cain. A Ventilatory Effect of Carbonic Anhydrase Inhibition in Man, Oct. 1960. Physiology-Biophysics 7758-89.

B. Aeromedical Reviews

- Review 1-60** Marcel J. Dallemagne and Leon Richelle. *Isotope Studies on Bone Salts*, June 1960.
- Review 2-60** Irving Davis and John D. Fulton. *Microbiologic Studies on Ecologic Considerations of the Martian Environment*, Oct. 1959.
- Review 3-60** Max H. O'Connell. *Aircraft Noise*, June 1960.
- Review 4-60** Ralph N. Kraus. *Progress in Stapes Mobilization Surgery: Aviation Medicine Implications*, Sept. 1960.
- Review 5-60** Raymond O. Waters. *Ototoxic Drugs*, Oct. 1960.