# Division of Medical Sciences 1946-1973

# Part 1

This collection contains the records of the activities of the Division of Medical Sciences for the years 1946-1973. The collection spans approximately 50 linear feet. Please note that the following listing is only an index of the activities and units represented in this records group. Due to the volume of this collection, the finding aid is in two parts.

#### **ADMINISTRATION**

#### **EXECUTIVE BOARD**

Chemical-Biological Coordination Center: 1949-1950

#### **INSTITUTIONS – ASSOCIATIONS & INDIVIDUALS**

- American Medical Association
  - Commission on Emergency Medical Services
    - Conference on Categorization of Emergency Hospital Capabilities: 1971
- Commission on Plasma Fractionation & Related Processes
  - Meetings: Minutes & Reports: 1950-1952
- Conference on Research Needs in Tropical Medicine
  - Fourth: Proceedings: Apr 1960
- Federation of American Societies for Experimental Biology
  - Symposium on Problems in Toxicology: 1960
- Given Foundation
  - Scientific Advisory Committee
    - Meetings: 1961
    - Survey on Given Foundation Endowed Professorships: 1961
    - General: 1961
- James Picker Foundation
  - Awards: Grants & Fellowships in Radiological Research
    - History & Description: 1962
- National Society for Crippled Children & Adults
  - o Easter Seal Research Foundation: Proposed
    - NRC Cooperation: Proposed: 1954-1956
- New York Academy of Medicine: 1962-1963
- North American Association of Alcoholism Programs: 1959-1961
- Protein Foundation Inc
  - Committee on Serum Gamma Globulin: Advisory: 1964
- Research Council on Problems of Alcohol: 1940-1947, 1949
- Symposium on Development of Model System for Emergency Medical Services in Metropolitan Area: National
  - Joint with Delaware Valley Council et al: 1971

- U of Pennsylvania
  - o Germ-free Research Project: Steering Committee
    - Joint with Walter Reed Army Institute of Research: 1953-1957

# INTERNATIONAL RELATIONS

- Academies & Councils Abroad
  - o Swedish Medical Research Council: Fellowship Program
    - US Participation: NRC Administration: Proposed: 1962-1963
- Institutions Associations Abroad
  - o Icelandic Medical Association: Medical Center
    - NRC Support: Proposed: 1962
- International Congresses
  - International Conference on Sarcoidosis: 1958-1961
    - London: 1958

# NATIONAL ACADEMY OF SCIENCE (NAS)

• Conference on Consolidated Communication Systems for Nebraska: 1967

# **DIVISIONS OF THE NRC**

#### **BIOLOGY & AGRICULTURE**

Food & Nutrition Board: 1952-1954

# **ENGINEERING & INDUSTRIAL RESEARCH**

- Materials Advisory Board
  - o Panel on Toxicity of Beryllium: 1957-1958

# INTERNATIONAL RELATIONS

- International Congresses
  - o International Audiology Conference: 1948-1949

# **MATHEMATICS**

 Committee to Review Division of Medical Sciences Report on Uses of Computers in Biology & Medicine: 1960-1961

# **MEDICAL SCIENCES**

- Armed Forces-NRC Committee on Bioastronautics
  - o Activities: Reports: 1960
  - o Bio-Astronotes: Newsletter: Nos 1-3: 1959-1960
  - Committee on Vestibular Studies Ad Hoc

- Site Visits: US Naval Aviation Medical Center Pensacola Florida: Report: 1960
- Conference
  - Panel Recommendations: 1959
  - Sessions: 1959
    - Critique & Presentation of Panel Recommendations
    - Address: Long-Range Space Sciences Program of NASA: Briefing
  - General: 1959
- o Directory: 1959-1960
- o End of Program: 1960-1961
- Executive Council
  - Meetings
    - Military Representatives: 1960-1961
    - Seventh: 1960
      Sixth: 1960
      Fifth: 1959
      Fourth: 1959
      Third: 1959
      Second: 1959
      First: 1958
- Meetings
  - Chronology: 1958-1961
  - Funding of Annotated Bibliography on Aviation Medicine of Library of Congress:
     1959-1960
  - Staff Meeting re Committee: Sep 1958
  - Staff Meeting with Bibliographers: Jan 1959
- Panels
  - Acceleration Stress
    - Meetings: 1959-1961
    - Reports: Zero-G Devices & Weightlessness Simulators Gerathewohl S J: 1961
    - Working Group on Physiological & Psychological Testing
      - o Report: 1960
      - Working Paper: Performance Tests: 1960
    - General: 1958-1961
  - Bioengineering of Protective Systems: 1959-1960
  - Bioinstrumentation: 1959
  - Biological Orientation & Navigation
    - Meetings: 1959-1960
    - Reports: Relevance of Biological Orientation Research to Field of
    - Bioastronautics: 1961 Closed Ecological Systems
      - Meetings: 1959-1960
        - Reports
          - Gas Regeneration & Food Production in Closed Ecological System: Myers J E & Brown AH: 1961
          - Waste-Recovery Processes for Closed Ecological System Pipes W 0: 1961

o General: 1959-1961

Extraterrestrial Life

• Meetings: 1959

Reports

o On Origin & Planetary Distribution of Life: Sagan G: 1961

Organic Matter & The Moon: Sagan C: 1961

- Identification of Long-Range Problems: 1959
- Information

Meetings: 1959-1960

Working Group on Publications: 1959

Psychology

Meetings: 1959-1960

Reports

 Human Performance as Function of Work-Rest Cycle: Review of Selected Studies: 1961

Working Groups

Personnel Selection for Man in Space Meetings: 1959

o Sensory & Perceptual Problems Related to Space Flight: 1961

- Radiation Biology: 1959
- o Reports
  - Russian Scientific Literature: Guide to Sources Translations & Translators: 1960
- Working Group on Intersociety Liaison: Meetings: Second 1960
- o General: 1958-1960
- Committees
  - Advisory to Bureau of Narcotics
    - Joint with AMA (American Medical Association): 1965-1966
  - Advisory to Federal Radiation Council: 1964-1968
  - Advisory to Federal Security Agency on Commodities & Materials Pertaining to Health:
     1941
  - o Adenine Specifications: Ad Hoc
    - Meetings
      - Fourth: Executive Session: 1971
        - Open Session: 1971
          - Report
          - Transcript of Proceedings
          - General
      - First Third: 1969-1971
    - Reports: Chemical Specifications for Adenine for Medical Use: 1974
  - o Adenine-Fortified Anticoagulant Solutions: Ad Hoc
    - Beginning of Program: 1968
    - Meetings
      - Current Status of Studies on Adenine-fortified Anticoagulant Solutions
        - Open Session: Transcript of Proceedings: Mar 1968
        - o Report: 1968
        - o General: 1968
      - Second
        - Background Material: 1969

Proceedings: 1969

First

o Minutes: 1969

o Program & Papers: 1969

o General: 1969

- Projects: Swedish Institutions Using Adenine-ACD Blood: 1969
- Reports
  - Preliminary: Mar 1969
  - Review of Current Research on ACD-Adenine Anticoagulant Solution: Dec 1969
- General: 1969
- o Adverse Reactions to Anesthetic Agents: Ad Hoc
  - Meetings: Dec 1971
  - Position Paper: Operating Room Pollution by Anesthetic Gases: 1972
  - General: 1971
- Ambulance Design Criteria
  - Meetings: 1968-1969
  - Report: 1969
  - General: 1967-1969
- American Registry of Pathology
  - Reports: Annual: 1940-1946
  - General: 1940-1946
- Anesthesia
  - Conferences
    - Effects of Anesthetics in Circulation Joint with New York Academy of Medicine: 1963
    - Neurophysiology in Relation to Anesthesiology Joint with U of Washington: 1966
    - Uptake & Distribution of Anesthetic Agents Joint with New York Academy of Medicine: 1962
  - Meetings
    - Twenty-Sixth: May 1971
    - Twenty-Fifth: Apr 1969
    - Eighteenth-Twenty-Third: 1963-1966
    - Thirteenth-Seventeenth: 1958-1962
  - Requests for Advice
    - Anesthetic Agents & Equipment for Civil Defense Emergency Hospitals & Treatment Stations: 1958-1960
    - Resuscitators for Use in Military Dental Clinics: 1959
  - Review of Red Cross Manual on First Aid Supplement on Artificial Respiration:
     1959
  - Statement: Role of Methoxyflurane in Production of Renal Dysfunction: 1971
  - Subcommittee on National Halothane Study
    - Follow-up: Proposed: 1968-1969
    - Meetings
      - First Ninth: 1963-1966General: 1963-1965

Panel on Pathology: 1964-1968

Report: Final: 1969

• Statistical Task Force: 1965

General: 1963-1968

- Workshops
  - Assessment of Circulation in Acutely III Patient: Joint with Committee on Shock & Division of Engineering

o Agenda & Proceedings: 1967

o Transcript: 1967

- Considerations of Prospective Study of Liver Complications Following Repeated Administration of Halothane: 1969
- Effects of Anesthesia on Metabolism & Cellular Functions: 1964
- Electrical Hazards in Hospitals: Joint with Committee on Shock: 1968
- Evaluation of Inhalation Anesthetics

Program & Proceedings: 1970Transcript: Oct 15-16, 1970

• Intensive Care Units: 1963

• General: 1959-1968

- o Anticoagulants: Ad Hoc: 1965-1966
- Army Medical Education

Background Data: 1953

Meetings: Minutes: 1954-1955

- Reports
  - Data on Army Medical Education Background Medical Field Service School: Aug 1954
  - Medical Officers' Opinions on Professional & Personal Problems of Army Service - Bradley T: Jul 1955
  - Report to Surgeon General US Army: Jan 1956

General: 1953-1956

Army Medical Library

• Meetings: 1951

Report: 1951

General: 1950-1952

Army Medical Service Graduate School

Meetings: Minutes: 1951-1953

General: 1949-1954

- Blood & Blood Derivatives
  - Committees

Blood Refrigeration Ad Hoc: 1950

Blood Substitutes: 1949

• Blood Types & Isoagglutinins: 1950

- Chemical Sterilization of Blood & Blood Derivatives: 1950
- Plasma Sterilization Ad Hoc: 1948
- Preservation of Formed Elements & of Proteins of Blood: 1948-1949
  - Meetings

■ Formed Elements of Blood: 1950-1951

■ First – Ninth: 1948-1951

- Panels
  - Blood Transfusion Equipment: 1951
  - Materials & Equipment for Blood Collection & Administration: 1950
  - Preservation & Sterilization of Blood & Blood Derivatives: 1950
  - Preservation of Whole Blood & Red Cells: 1951
  - Sterilization of Plasma & Whole Blood: 1951
- Relationships: American National Red Cross National Blood Program: 1949-1951
- Requests for Advice: 1948-1951
- Subcommittees
  - Equipment Ad Hoc: 1948
  - Sterilization of Blood & Plasma: 1951-1952
- General: 1948-1951
- o Blood & Related Problems
  - Committee on Uses of Gamma Globulin Ad Hoc
    - Meetings: 1952
    - Panel on Allocation of Gamma Globulin
      - Conference on Epidemiology of Poliomyelitis: 1953
      - o Meetings: 1953
      - Statement: Distribution & Use of Gamma Globulin: 1953
      - o General: 1952-1953
    - General: 1952
    - Conference on Differential Agglutination of Erythrocytes
      - o Proceedings: 1952
      - o General: 1952-1953
    - Meetings
      - o Thirtieth Thirty-fourth: 1961-1963
      - o Twenty-second Twenty-ninth: 1958-1960
      - o First Sixth: 1952-1953
    - Panel on In Vivo Survival Methods Ad Hoc: 1962
    - Relationships: American National Red Cross National Blood Program:
       1952
    - Reports: Activities: 1952-1953
    - Requests for Advice: 1952-1953, 1960-1963
    - Studies: Preservation of Blood at Low Temperatures: Proposed: 1962-1963
    - Subcommittee on Blood Coagulation
      - Conference on Platelets
    - Third: 1959
    - Subcommittee on Plasma
      - Conference on Artificial Colloidal Agents: 1962
        - Joint with Committees on Shock & Trauma: 1962-1963
      - Conference on Colloidal Agents Derived from Human Blood:
         1963
      - Meetings
        - Ad Hoc Panels: Sep 1962
        - Ad Hoc Planning: Jun 1961
        - Twenty-third Twenty-eighth: 1961-1963

- Reports
  - Evaluation of Heat-treated Plasma Preparations & Methods of Long-term Preservation of Blood
    - Final: Progress Report: 1961
- o Requests for Advice: Hypogammaglobulinemia: 1961-1962
- Statement
  - Biological Testing of Artificial Colloidal Agents Proposed for Intravenous Use as Plasma Volume Expander: Apr 1963
  - Criteria for Satisfactory Plasma Volume Expander: Apr 1963
  - Studies on Physical Chemical & Physiological Properties of Certain Artificial Macromolecular Agents: 1963
  - General: 1963
- o Symposium on Gamma Globulin: 1962
- o Task Group on Gamma Globulin:1963
- O Working Group on Gamma Globulin Ad Hoc: 1961-1962
- Working Group on Immunotransfusion in Treatment of Burns:
   Ad Hoc: 1961
- Subcommittee on Thrombosis & Hemorrhage
  - Conference on Pathogenesis of Thrombosis Platelet Contribution: 1962
  - o Meetings: First Eighth: 1959-1963
  - Military Advisory Services Weiss H J: 1962
- Subcommittee on Transfusion Problems
  - Conference on Status of Rh Blood Grouping System: 1960
  - Meetings: Seventh Sixteenth: 1958-1962
  - Reports: General Principles of Blood Transfusion: 1963
  - Statement
    - Blood Preservation Program at US Naval Hospital Chelsea Massachusetts: 1960
    - Inquiry into Scientific Basis for Racial Separation of Blood for Transfusion: 1959-1960: Maximal Radiation Exposure of Potential Blood Donors in Event of Nuclear Warfare: 1958-1959
    - Preparation & Use of Separated Red Cells in Maximum Utilization of Blood: 1959
    - Protection Against Transfusion Problems: 1960
    - Screening of Flight Personnel for Abnormal Hemoglobin:
       1959
    - Transfusion of Sickle-Cell-Trait Blood: 1959
    - Use of Glucose-6-phosphate Dehydrogenase-deficient (Glutathione-unstable) Red Cells for Transfusion: 1960
- Symposium on Structure & Cellular Dynamics of Red Blood Cell: 1953
- Blood & Transfusion Problems
  - Conferences
    - Long-Term Preservation of Red Blood Cells
      - > Proceedings: 1964

- o General 1964
- Platelet Transfusions: 1965
- Use of Blood & Blood Substitutes for Extracorporeal Circulation: 1965
- Meetings
  - Role of Leukocytes in Blood Transfusion Round-Table Discussion: Jun 1964
  - First Fifth: 1963-1965
- Requests for Advice
  - Review of American National Red Cross Statement on Use of Packed Red Blood Cells for Transfusion: 1965
  - Statements
  - Current Practices for Blood Typing & Recording of Blood Types in Department of Army: 1963-1964
  - Evaluation of Practical Utility of Adenine-fortified Anticoagulants: 1964
  - Uniformity in Blood Collections Recommended: 1964-1965
  - Use of Group O & Group A Blood in Emergency Situations & on Proposed "Palm Test" as Rapid Technique for Blood Grouping: 1963-1964
- Studies: Preservation of Blood at Low Temperatures: 1963-1964
- Symposium on Role of Nucleotides in Metabolism of Human Red Blood Cells:
   1964
- Task Force on Platelet Transfusions Ad hoc: 1965-1966
- Cancer Diagnosis & Therapy
  - Meetings
    - NRC Representatives & Agencies Sponsoring Committee on Cancer Diagnosis & Therapy: Mar 1956
    - Eighteenth: 1957
    - Sixteenth Seventeenth: 1956
    - Thirteenth Fifteenth: 1955
    - Tenth Twelfth: 1954
    - Seventh Ninth: 1953
    - Fourth Sixth: 1952
    - First Third: 1951
  - Reports
    - Legal Considerations Pertaining to Studies of New or Unproven Products
       & Devices: Oct 1956
    - Progress Report to American Cancer Society Inc: 1954
    - Progress Report to National Cancer Institute: 1953
  - Studies
    - Chemical Hormone Corp: Antineol: 1953-1955
    - Ferguson W H: Head Shrinking Compound: 1953
    - Hoxsey Cancer Clinic: 1954-1956
    - Institute of Applied Biology: Lipid Therapy: 1953-1956
  - Krebiozen: 1953-1955
  - Lincoln Foundation: Bacteriophage Therapy
    - NCR Review: Proposed: 1951-1952
    - Report: 1952, 1954-1955

General: 1953-1954

Pawlotzky J: Carcin & Neo-Carcin: 1953

- Policy
  - Criteria for Evaluation of Proposals: 1954-1956
  - Principles & Procedures for Evaluation of Proposals: 1953-1956
  - Statement of Procedures & Requirements for Evaluation Studies: Jul 1953
- Revici Cancer Control: 1955-1956

Rife R R: 1954Samuels J: 1956Smalpage E H: 1953

- Zuccala G S
  - Z-50 Anticarcergen & Zuccala Test for Diagnosis

o Report on Evaluation: Nov 1956

o General: 1954-1956

General: 1953-1954

General: 1951-1957

- Cardiopulmonary Resuscitation: Ad Hoc
  - Conferences: Proceedings: May 1966

Final Report: 1966Meetings: 1966Statement: Oct 1966

- Statement: Oct 1966
- Cardiovascular Literature Project: Advisory
  - Background Data: 1955-1956
  - Beginning of Program
    - Transfer of Project from Chemical-Biological Coordination Center: 1956-1957
  - End of Program: 1963
    - Transfer of Project to Institute for Advancement of Medical Communication: 1960-1961

Funding: 1958-1962
Meetings: 1957-1961
Membership: 1957-1962
Military Advisory Services

Collins S C: 1961Shumacker H B: 1961

- Reports
  - Combined Indexing-Abstracting System Welt I D: 1958
  - Detailed Indexing of Biological Effects of Chemical Substances Welt I D: 1957
  - Guide to World Literature on Cardiovascular Agents Welt I D: 1959
  - Mechanical Aids to Storage & Retrieval in Biomedical Sciences Welt ID:
     1959
  - Progress Reports to NIH (National Institutes of Health): 1957-1959
  - Some Personnel Problems of Small Indexing Project MacMillan J T & Welt I D: 1959

- World Literature on Cardiovascular Drugs Welt ID & MacMillan J T: 1957
- General: 1957-1961
- Symposiums
  - Central Nervous System Control of Circulation: 1959
  - Vascular Smooth Muscle: 1961
- General: 1957-1959
- Chemotherapeutic & Other Agents
  - Subcommittee on Venereal Diseases
    - Committee Advisory to National Institute of Health Syphilis Study Section
      - Conference on Penicillin: Joint with US Public Health Service & Food & Drug Administration: 1946
      - Meetings: Penicillin Investigators: (Joint with US Public Health Service): 1946
- Chemotherapy
  - Meetings: 1948
  - Projects
    - Allocation of Bacitracin: 1948-1949
    - Evaluation of Chloresium: 1948-1949
  - Reports
    - Clinical Investigation of Streptomycin: 1946
    - Present Status of Study of Systemic Administration of Bacitracin in Treatment of Infections: Interim - Meleney F L: 1948
  - General: 1947-1950
- Communication Services in Initial Care & Transportation in Medical Emergencies: Ad Hoc: 1963
- Cutaneous System
  - End of Program: 1965
  - Institute for Dermatology: Proposed: 1960-1962
  - Meetings: 1959-1965Membership: 1959-1964
  - Military Advisory Services
    - Bernstein I A: 1959
      - Knox J M: 1960-1961
      - Lorincz A L: 1961
      - March C: 1962
      - Urbach F: 1962
  - Requests for Advice: Dermatological Problems of US Army: 1962-1963
  - Statement: Military Dermatological Problems: 1965
  - Survey of Current Research Related to Skin: 1959
  - Symposium on Biology of Epidermis: Joint with NIH (National Institutes of Health): 1963
    - Proposed: 1962-1963
  - Symposium on Cutaneous Responses to Thermal Stress: 1965
    - Joint with Committee on Sanitary Engineering & Environment: 1963-1965

General: 1959-1965Dental Research: Ad Hoc: 1951

- Dentistry
  - Conference on Research in Periodontal Disease

Proceedings: 1960General: 1959-1960End of Program: 1961-1962

Meetings

• Twenty-eighth: 1960

• Nineteenth - Twenty-seventh: 1954-1958

• Ninth – Eighteenth: 1950-1953

• First – Eighth: 1947-1949

- Membership: 1955-1961Military Advisory Services
- Avco Manufacturing Corp: 1958

Brauer G M: 1960

Eichel B & Lisanti V F: 1960

Ershoff B H: 1958Gardner A F:1960Harris R S: 1960-1961

Hess W C: 1949-1961

Muhler J C: 1961Parker R B: 1960Pigman W: 1960

Shafer W G & Muhler J C: 1961

Shaw J H: 1960
Smith D J: 1960-1961
Smith L F: 1955-1957
Sobel A E: 1956-1961

Sperry Gyroscope Co: 1960

- Panel on Magnetostrictive Cutting Devices Ad hoc: 1955-1956
- Requests for Advice

Fluoridation of Water: 1953

Wondra Fluoride Toothpaste: 1954

General: 1948-1955

Subcommittees

Biochemistry: 1951-1955Biology: 1951-1955

• Caries: 1948-1951

Clinical Investigation: 1951-1955
Etiology & Pathology: 1951-1955
Follow-up Studies: 1947-1950
Material & Equipment: 1947-1950

Meetings

 Biochemistry Biology Clinical Investigation & Etiology & Pathology: 1951-1955 Pathology: 1950-1951

Pathology & Trauma: 1948-1949Periodontal Diseases: 1948-1950

Personnel: 1947-1950
Pharmacology: 1947-1950
Prostheses: 1948-1950
General: 1947-1949

Survey of Dental Research: 1951-1960

General: 1947-1959

- Drug Addiction & Narcotics
  - Requests for Advice

Numorphan: 1954

Substitution of Synthetic Drugs for Morphine & Its Derivatives: 1953

• General: 1947-1951

- Statement
  - Use of Narcotic Drugs in Medical Practice & Medical Management of Narcotic Addicts Joint with AMA: 1963
- General: 1954
- o Effects of Atmospheric Contaminants on Human Health & Welfare

Membership: 1968-1969

Effects of Dextran on Bleeding: Ad Hoc

Beginning of Program: 1964

Development of Study Protocols: 1964-1965

Planning Group: Meetings: 1964

Report: 1965

- Emergency Medical Services
  - Meetings

Tenth: 1972Ninth: 1971Eighth: 1970

Sixth-Seventh: 1969Third-Fifth: 1968First-Second: 1967

- Reports
  - Roles & Resources of Federal Agencies in Support of Comprehensive Emergency Medical Services: 1972
- Subcommittees
  - Ambulance Services
    - Meetings

Joint with Federal Agency Representatives: Oct 1969

Subcommittee: 1968-1970

- Task Forces
  - Advanced Course for Emergency Medical Technician Training: 1970
  - Examinations Emergency Medical Technicians-Ambulance: 1969-1970

Job Description: 1970-1972

- Medical Requirements for Ambulance Design & Equipment: 1967-1968
- Police: 1970
- General: 1967-1970
- Cardiac Emergencies: 1972
- Emergency Medical Communications
  - Meetings
    - Third: 1972Second: 1971
    - First: 1970
- General: 1970-1971Hospital Emergency Services
  - Meetings
    - Feb 1970
    - May 1969
    - Nov 1968
    - o Panel on Categorization: 1968-1971
  - Task Force on Guidelines for Survey of Hospital Emergency Facilities: 1969
  - o General: 1968-1970
- National Center for Emergency & Disaster Medical Services
  - Meetings
    - Feb 1970
    - Jul 1968
  - o General: 1968-1969
- Task Forces
  - Guidelines for Training of Ambulance Personnel: 1967-1968
  - Trauma Registries: 1971
- General: 1967-1970
- Environmental Physiology
  - Evolving Patterns in Management of Man's Environment-Staff Paper: 1967
  - Meetings: 1965-1967
  - Membership: 1965-1967
  - Symposium on Physiological Characterization of Health Hazards in Man's
  - Environment: 1966
    General: 1965-1968
  - Enzyme Detergents: Ad Hoc
    - Funding:1970-1971
    - Meetings: 1971
    - Membership: 1971
    - Report
      - Comments: 1971-1972
      - Text & Transmittal: 1971
    - Research Data
      - Individuals
        - Bernstein I L: 1971Dubos R: 1970-1971

Weill H: 1971General: 1971

• Industry: 1971-1972

• General: 1971

- Review of American Academy of Allergy Protocol for Study of Possible Allergic Reactions to Enzyme Detergents: 1971
  - General: 1970-1971
- Evaluation of National Pituitary Agency
  - Meetings: 1973-1974
  - Panel I Assessment of Impact of NPA on Scientific Community: 1973
     Panel II Review of NPA Operations: Cost-Effectiveness Analysis: 1973
  - Panel III Assessment of Research Needs in Field of Endocrinology: 1973
- Executive Committee: 1967
  - Meetings: 1973
- Fluoridation of Water Supplies: Ad Hoc

Meetings: 1951Report: 1951

General: 1950-1951

- Follow-up Study of Radiologists: Ad Hoc: 1959
- General Research Support Programs of National Institutes of Health (NIH)
  - Beginning of Program: 1964

■ Meetings: 1965

Membership: 1964-1965

Report: 1965

- Genitourinary System
  - Conferences
    - Radionuclides in Diagnosis of Renal & Urinary Tract Disease: 1970
    - Urolithiasis: 1971
  - Meetings

Informal: 1969

• Fourth – Sixth: 1968-1970

Third: 1967Second: 1966

- Symposium on Renal Neoplasia International: 1965
- Workshops
  - Bacterial Infections of Male Genital System

o Papers: Abstracts: 1967

Proceedings: Report & Transcript: 1967

o General: 1966-1968

Hydrodynamics of Micturition: 1968

- Hydrodynamics of Upper Urinary Tract
  - o Papers: Abstracts: 1969
  - o Proceedings: Transcript: 1969
  - Report: Urodynamics: Hydrodynamics of Ureter & Renal Pelvis:
     1969
- Ureteral Reflux in Children: 1966
- Hearing

- Beginning of Program
  - Background Data: 1945-1946
  - Meetings: 1947-1952
  - Panels
    - Army Research Projects: 1948-1949
    - Audiometry
      - Meetings: 1949-1951General: 1948-1952
  - Projects: Problems of High-Intensity Noise: 1952
     Reports: Physical Standards of Hearing: 1949
  - Requests for Advice: Selection of Hearing Aids: 1952
  - General: 1947-1953
- Committee on Human Engineering: Proposed: 1951
- o Human Engineering: Proposed: 1951
- Hyperbaric Oxygenation
  - Conference on Hyperbaric Oxygenation: 1964
    - Joint with New York Academy of Sciences: 1963-1965
  - Meetings: 1963-1965Membership: 1963-1966
  - Newsletter
    - Joint with FASEB (Federation of American Societies for Experimental Biology): Proposed: 1963-1965
  - Projects: Program on Hyperbaric Oxygenation for Medical Society of DC Joint with Walter Reed Army Institute of Research: 1963
  - Reports: Fundamentals of Hyperbaric Medicine: 1965-1966
- General: 1963-1967Imferon: Proposed: 1960
- o Infectious Diseases & Chemotherapy
  - Meetings: 1959
  - Requests for Advice: Antibiotics for Stockpiling 1959
  - General: 1958-1959
- Insect & Rodent Control: 1948-1956Malaria Therapy: Ad Hoc: 1950-1951
- o Medical Care in Public Fallout Shelters: Ad Hoc
  - Meetings: 1964Report: 1964General: 1964
- Medical Classification of Manpower: Proposed: 1951
- Medical Education for National Defense Program (MEND): Ad Hoc
  - Background Data
    - Initial Staff Analysis of Problem: 1968
    - General: 1968-1969 Beginning of Program: 1968
  - Meetings
    - Second: 1969First: 1968
  - Membership: 1968-1969

- Report
  - Final: 1969
  - General: 1969
- General: 1968-1969
- Medical Microbiology: Ad Hoc: 1959-1960
- o Medicine
  - Meetings
    - Ninth Seventeenth: 1950-1953
    - First Eighth: 1946-1949
  - Requests for Advice: 1948-1953
  - Subcommittees
    - Cardiovascular Diseases
      - o Meetings: 1946-1953
      - Panels
        - Army Studies in Rheumatic Fever: Joint with Subcommittee on Infectious Diseases: 1948
        - Navy Studies in Rheumatic Fever: Joint with Subcommittee on Infectious Diseases: 1946-1947
      - Requests for Advice
        - Proposed Cardiovascular Pulmonary Laboratory: 1949-1950
        - Reassignment of Military Personnel Following Cold Injury: 1951
      - o General: 1946-1953
    - Dermatology
      - o Meetings: 1951-1953
      - > Panels
        - Antifungal Agents
          - Requests for Advice
          - Carmer's Foot & Body Powder: 1952
          - Cycloborate: 1953
          - Sopronol & Sprint: 1951-1952
        - General: 1951
        - Revision of Air Force Manual 25-1: 1952-1953
      - o General: 1950-1953
    - Infectious Diseases
      - o Meetings: 1947-1949
      - o Reguests for Advice: 1947-1950
      - General: 1946-1950
    - Infectious Diseases & Chemotherapy
      - Conference on Prophylaxis of Poliomyelitis: 1952
      - Meetings
        - Sterilization of Blood & Blood Derivatives: Joint with Armed Forces Epidemiological Board & NIH (National Institutes of Health): 1951
        - First Fifth: 1950-1952
      - Requests for Advice: 1950-1952

o General: 1951-1952

Liver Diseases

o Meetings: 1947-1951

o Requests for Advice: 1947-1948

o General: 1946-1951

Malaria

Meetings: 1951-1953Studies of Antimalarials

Daraprim

Background Data: 1951-1952

• General: 1951-1953

Primaquine Plaquenil & Chloroquine: 1951-1953

General: 1951-1953

• Skeletal System

Joint with Committee on Surgery: 1953

• Tropical Medicine: 1947-1949

• Tuberculosis

o Conference on Streptomycin Therapy in Tuberculosis: 1947

Meetings

 Joint with Subcommittee on Thoracic Surgery of Committee on Surgery: 1948

■ Ninth – Fourteenth: 1950-1952

First – Eighth: 1946-1949

Panels

 BCG (Bacillus Calmette & Guerin) Vaccination in Armed Forces: 1946-1951

■ Mortality Rates in Veterans: 1947-1949

Physical Standards: 1951

Sarcoidosis: 1948

Veterans Administration Film File: 1949-1951

Projects: Minimal Case Study

Reports

 Effect of Air-evacuation on Military Personnel with Tuberculosis: Report to Subcommittee: 1949

Final: 1949

• General: 1948-1950

o Requests for Advice: 1947-1951

Revision of Military Technical Bulletins: 1947-1949

o General: 1946-1952

Venereal Diseases

Conferences

 Experimental Prophylaxis of Venereal Diseases Ad hoc: 1952

Oral Use of Penicillin Ad hoc: 1947

Meetings

- Joint with NIH (National Institutes of Health) Syphilis Study Section: 1947-1949
- Seventh Twelfth: 1950-1952
- First Sixth: 1946-1949
- o Requests for Advice: 1947-1951
- Revision of Army & Air Force Manual TB Med-230: 1950-1951
- o Revision of Military Technical Bulletins: 1947-1948
- o General: 1946-1953
- Medicine & Surgery
  - Committee on Tissue Transplantation: Ad Hoc: 1956-1957
  - Conference on Physiology of Induced Hypothermia: 1955
  - Meetings
    - Seventh Tenth: 1956-1958
    - Fourth Sixth: 1955First Third: 1953-1954
  - Membership: 1953-1957
  - Panels
    - Pilonidal Cysts & Sinuses: Ad Hoc: 1954
    - Stockpiling for Nasogastric Tube Feeding: Ad Hoc
      - Meetings: 1955Report: 1955
      - o Research Data: 1955
      - o General: 1955
  - Requests for Advice
    - American National Red Cross First-Aid Textbook
      - o Revised Edition: Review: 1955
    - Criteria for Selection of Blood Donors: 1953
    - Diluents for Plasma Volume Expanders: 1956-1957
    - Revision of Federal Civil Defense Administration Manual on Emergency Medical Treatment: 1955-1956
    - Salcolan (Rich Burn Oil): 1955-1957
    - Sterilization of Thermometers: 1955
    - Stockpiling of Plasma Volume Expanders: 1954-1958
  - Subcommittees
    - Anesthesia
      - Meetings
        - Eleventh & Twelfth: 1957
        - Eighth-Tenth: 1956
        - Sixth & Seventh: 1955
        - Requests for Advice
          - Cito-Eunarcon: 1954-1955
          - Federal Procurement Specifications for Soda Lime:
             1955-1956
          - Hingson Anesthesia & Resuscitation Equipment: 1958
          - Revision of Military Technical Bulletin: 1954-1957
        - o General: 1953-1957
    - Blood & Related Problems

#### Conferences

 Blood Problems in Extracorporeal Circulations & Massive Transfusions: 1958

 Derivatives of Plasma Fractionation Joint with Subcommittee on Shock: 1953

Hemoglobin: 1957

# Meetings

■ Fourteenth-Twenty-first: 1956-1958

■ Eleventh: 1955

Seventh-Tenth: 1953-1954

# Panels

Blood Coagulation

• Conferences: Second: 1955

• Meetings: Ninth-Nineteenth: 1953-1958

• Military Advisory Services

Penick G A: 1954-1957

Reports

Coagulation of Blood: Methods of Study: 1955

Requests for Advice

 Use of Petroleum Cracking Catalysts in Separation of Blood Components: 1955-1956

 Statement: Continued Support of Basic Research: 1957

General: 1953-1955

Establishment of Hemoglobin Standard: Ad hoc

Meetings: First-Eighth: 1954-1957

Report: Final: 1958General: 1954-1955

Sterilization of Blood & Plasma

Meetings: Thirteenth-Sixteenth: 1955-1957
 Sterilization of Plasma: Progress Report: 1957

Transfusion Equipment: Ad hoc: 1954-1955

Transfusion Problems

Meetings: First – Sixth: 1956-1958

Requests for Advice

 Botwick Blood Grouping & Rh Typing Test Kit: 1956-1957

 Review of Manual on Operating Armed Services Blood Donor Centers: 1955-1957

Statements

 Preparation & Use of Concentrated Red Cells: 1957

 Recommendation on Liver Function Tests: 1958

- Recommendation on Use of Animal in Place of Human Subjects for Testing In Vivo Survival of Red Cells: 1957
- General: 1955
- **Reports** 
  - Storage of Blood Plasma
  - Prevention of Virus Hepatitis by Room Temperature Storage of Pooled Plasma: Progress Report: 1956
- Requests for Advice
  - Blood Apartheid: 1956-1957
  - Blood Grouping & Transfusion for Mass Casualties: 1955
  - Hemolysin Tests for Universal Donors: 1955-1956
  - General: 1953-1957
- Symposium on Red Cell Metabolism: Second: 1954
- o General: 1953-1957
- Cardiovascular System
  - Funding: 1958
  - o Meetings: 1953-1958
  - o Membership: 1957-1958
  - o General: 1953-1958
- **Cutaneous System** 
  - o Meetings: 1953-1957
  - Panels
    - **Antifungal Agents** 
      - Requests for Advice
        - o S-D-0: 1955
        - o General: 1953-1954
    - Revision of Air Force Manual 25-1: 1953-1954
  - Requests for Advice
    - ACTAMER: 1954
    - Military Dermatological Problems: 1954
    - Sunburn First-Aid: 1954
  - General: 1953-1958
- Infectious Diseases & Chemotherapy
  - Meetings: 1953-1955
- **Panels** 
  - Sterilization of Blood & Plasma
    - Meetings
      - Eleventh Twelfth: 1955
      - Ninth Tenth: 1954
      - Eighth: 1953
    - Symposium on Laboratory Propagation & Detection of Agent of Hepatitis: Joint with AFEB (Armed Forces Epidemiological Board): 1954
    - General: 1953
  - Tuberculosis
    - Panel on Sarcoidosis: 1957-1958

- Venereal Diseases
  - Meetings: 1955-1956
  - Requests for Advice
    - Revision of TB Med-230: 1954-1955
    - General: 1953-1955
  - General: 1953-1955
  - Vectors of Disease: 1954-1955
    Requests for Advice
    - Dipenicillin G: 1953
- o General: 1953-1955
- Nervous System
  - Meetings: 1953-1957
  - Military Advisory Services
    - Campbell J B: 1953-1956
  - Requests for Advice
    - Helmet Composition: 1957
  - o General: 1953-1958
- Shock
  - Conferences
    - Dextran Fractions: Second: 1954
    - Heat-Treated Plasma Preparations: Joint with Panel on Plasma: 1956
  - Meetings
    - Thirty-first Thirty-sixth: 1957-1958
    - Twenty-fourth Thirtieth: 1955-1956
    - Twentieth Twenty-third: 1954
    - Eighteenth Nineteenth: 1953
  - Panels
    - Glycerol Pectate Ad hoc
      - Background Data
        - Experimental Evaluation of Glycerol Pectate for Plasma Volume Replacement & Expansion-Handford S
          - W et al: 1954
        - Glycerol Pectate as Blood Plasma Replacement-Burke Research Co: 1954
        - Plant Colloids for Evaluation as Plasma Extenders & for Complexing (with Protein Sparing Substances)-Burke Research Co: 1953
        - o General: 1953-1954
      - Beginning of Program: 1954
      - Follow-up: Desertification Studies: 1955-1959
      - Meetings: 1954-1955
      - Research Reports
        - Armed Services Medical Materiel
           Standardization Committee: 1955

- Armed Services Medical Procurement Agency: 1955
- Army Medical Service Graduate School -Department of Hematology: 1955
- o Burke Research Co: 1955
- o Feigen G A et al: 1955
- Harvard U Gibbs Laboratory-Doty P: 1955
- Laboratory of Industrial Hygiene Inc: 1955
- Naval Medical Research Unit No 3-Handford S W: 1955
- General: 1954-1955
- Plasma
  - Meetings: First Sixteenth: 1953-1958
    Projects: Heat-Treated Plasma: 1955-1958
  - Reports
    - Evaluation of Heat-treated Plasma Preparations & Other Quick Methods of Plasma Treatment: Progress Report: 1957
  - Statements
    - o Plasma Volume Expanders: 1955
    - Requirements for Acceptance of Heattreated Plasma Preparations for Comparative Clinical Trial: 1956-1957
  - Summary of Statements & Recommendations on Plasma Substitutes-1948-1954: 1954
  - General: 1954-1958
- Projects: A Cournand's Research on Plasma Volume Expanders:
   1954-1956
- Requests for Advice
  - Adrenoxyl: 1953-1954General: 1953-1958
- o General: 1954-1958
- Skeletal System
  - Meetings: Third Sixth: 1953-1958
  - General: 1953-1955
- Trauma
  - o Conference on Enzymatic Debridement Agents Ad hoc
    - Agenda & Proceedings: 1954
    - General: 1954
  - o Meetings
    - Twenty-first Twenty-fifth: 1957-1958
    - Thirteenth Twentieth: 1953-1956
  - Military Advisory Services
    - Nardi G L: 1957

- Requests for Advice
  - Aloe Vera as Burn Remedy: 1954-1957
  - Artificial Hibernation: 1953
  - Bland Ointment Burn Remedies: 1956-1958
  - Burnaer B: 1957-1958
  - Floxolf Ointment: 1956-1957
  - Tung Oil in Treatment of Burns: 1954-1955
  - Use of Hydrocortisone for Treatment of Burns During
    - Civil Defense Emergency: 1955-1956
  - General: 1953-1958
- Statement
  - Immediate Local Treatment of Cutaneous Thermal

Burns: 1956

- o General: 1953-1958
- Tuberculosis

Meetings: 1953-1956General: 1953-1958

- General: 1953-1958
- Naval Medical Research
  - Committees
    - Clinical Investigation & Education in Naval Hospitals: Ad Hoc
      - o Beginning of Program: 1971
      - Meetings

Fifth-Seventh: 1973Second-Fourth: 1972

• First: 1971

o Report: 1974

o General: 1971-1972

- Navy Dental Research & Postgraduate Education Programs: Ad Hoc
  - Meetings

Fourth: 1974Third: 1973

■ First-Second: 1972

o Report: 1974

General: 1972-1974

- Navy Nonionizing-Radiation Research Program
  - Meetings

Fourth-Fifth: 1973First-Third: 1972

o Report: 1974

General: 1972-1973

- Group on Clinical Investigation & Teaching Programs in Naval Hospitals: Ad Hoc: 1970
- Meetings
  - Fortieth: Joint with USN Bureau of Medicine & Surgery

o Agenda & Supporting Documents: 1973

Minutes: 1973

General: 1973

Thirty-ninth

Agenda & Minutes: 1971
 Thirty-eighth-Thirty-seventh: 1971

• Thirty-sixth: 1970

• Thirty-fifth-Thirty-fourth: 1969

• Thirty-third: 1968

Thirtieth-Thirty-second 1967

• Twenty-fourth-Twenty-ninth 1964-1966

Twenty-third: 1964

Sixteenth-Twenty-second: 1960-1963

• Fifteenth: 1959

Eighth-Fourteenth: 1954-1957First-Seventh: 1952-1953

#### Panels

 Deep Submergence Systems Program Microbiological Research: Ad Hoc: 1968-1969

• Education & Training Research Department of Naval Medical Research Institute: Ad hoc: 1972

• Preventive Medicine: 1955

• Research Program of Naval Medical Research Institute: Ad hoc: 1971

#### Reports

• Activities: 1952-1954

Certain Aspects of Navy Biomedical Research Program

Part I: 1968Part II: 1968-1969

• Certain Navy Biomedical Research Programs: 1970

 Clinical Investigation & Postgraduate Education in Navy's Hospital System: 1970

#### Site Visits

Naval Aerospace Medical Center

Naval Aerospace Medical Institute: 1968

Naval Air Development Center

Aerospace Medical Research Department: 1968-1969

• Naval Biological Laboratory: 1967-1969

Naval Blood Research Laboratory: 1968-1969

Naval Dental Research Institute: 1969-1971

Naval Hospital Oakland California

Clinical Investigation Center: 1967

Naval Medical Field Research Laboratory: 1967-1970

Naval Medical Research Institute: 1969-1971

Naval Medical Research Unit 112: 1968

Naval Medical Research Unit 114: 1967-1971

Naval Radiological Defense Laboratory: 1967

• Navy Medical Neuropsychiatric Research Unit: 1968-1970

Submarine Medical Center: 1969

General: 1968-1970

- Statements
  - Naval Medical Research Program in Underwater Operations: 1965
  - Naval Radiological Defense Laboratory Biomedical Research Program FY 1968: 1966
- General: 1966-1971
- Nervous System: 1958-1959
- Neurobiology: Proposed: 1945
- Neurology: 1950-1951
- Neuropsychiatry
  - Meetings: 1946-1950
  - Subcommittees
    - Neurology: 1948-1950Psychiatry: 1948-1950
  - General: 1946-1950
- Ophthalmology
  - Meetings: 1947-1954
  - Projects
    - Contact Lenses for Military Personnel: 1948-1951
      National Institution for Blind: Proposed: 1947-1950
    - Radiation Injury to Eyes: 1947-1949
  - Reports
    - R F Shropshire's Non-Surgical Treatment of Cataract Digest & Compilation of Background Materials
      - o Original Documents: 1952
      - Supplement & Appendices XXVII XXXIII: 1953
      - o Text: 1952
      - o General: 1952-1953
    - General: 1953
  - Requests for Advice: General: 1949-1956
  - Revision of Military Physical Standards: 1947-1948
  - General: 1947-1958
- Optical Radiation Hazards: Proposed: 1971-1973
- Orthopedic Information Services: Ad Hoc: 1971-1973
- Pathology
  - Committees
    - Documentation of Data in Anatomic & Clinical Pathology Ad hoc: 1967
    - Documentation of Procedures Diagnostic Criteria & Results in Laboratory Medicine Ad hoc: 1968
    - Documentation of Procedures in Laboratory Medicine Ad hoc: 1967
    - Environmental Pathology Ad hoc: 1968-1970
    - Future of Atlas of Tumor Pathology Ad hoc: 1963-1964
    - Handbooks in Experimental Pathology Ad hoc: 1966
    - Manpower Needs in Parapathology Ad hoc: 1967
    - Manpower Needs in Pathology Ad hoc: 1966-1969
    - Radiation Pathology Ad hoc: Advisory
      - o Meetings: 1962-1964

- o Membership: 1962-1963
- Working Group on Coding Epidemiology & Specimen Handling:
   1963
- o General: 1961-1964
- Meetings
  - Thirtieth Thirty-seventh: 1966-1970
    Twenty-third Twenty-ninth: 1962-1965
    Fifteenth Twenty-second: 1954-1961
  - First Fourteenth: 1947-1953
- Military Advisory Services
  - Walker A E: 1960
- Panels
  - Histology of Storage of Polyvinylpyrrolidone (PVP) Ad hoc: 1953-1954
  - Pathology of Fatal Burns Ad hoc
    - o Meetings: 1954, 1956
    - Report on Forty-one Fatal Burn Injuries from Brooke Army Medical Center-1950-1953: 1960
    - o General: 1954-1957, 1959-1963
- Reports
  - Activities: 1947-1954
  - Pathology of Epidemic Typhus Fever
    - o Report of Cairo Epidemic of 1943-1945: 1952
- Subcommittees
  - American Registry of Pathology: 1947-1956
  - Comparative Pathology: 1965-1968
  - Documentation of Procedures & Results in Laboratory Medicine: 1968-1969
    - o Conference: 1970
  - Geographic Pathology
    - Meetings
    - o Sixth Seventh: 1964-1965
    - o Fifth
      - Agenda & Minutes: 1963
      - Conference on Nutritional Disease Throughout the World: 1963
    - First Fourth: 1962-1963
  - Workshop: 1962
  - General: 1963-1965
- o Penicillin Dentifrice: Ad Hoc: 1950-1952
- Physical Standards: Ad Hoc
  - Meetings: Oct 1950
  - Recommendations Concerning Military Physical Standards: 1950
  - General: 1950-1951
- Plasma & Plasma Substitutes
  - Activities: Report: 1963
  - Committees
    - Component Therapy: Ad Hoc

Activities: Summary: 1971

o Meetings: 1969-1970

 Report: Evaluation of Utilization of Human Blood Resources in US: 1970

o General: 1969-1971

- Hepatitis-Associated Antigen Tests
  - Meetings

Second: 1971First: Oct 4-5: 1970

- > Statements
  - Routine Testing in Blood Banks for Hepatitis-associated Antigen: 1971
  - Use of Hepatitis-associated Antigen Tests for Donor Screening in Blood Banks: 1971
- Laboratory Screening Tests for Hepatitis Carriers: 1969
- Plasmapheresis
  - Meetings

• Third - Fourth: 1969-1970

First - Second: 1969

- Report: Safeguards for Plasma Donors in Plasmapheresis Programs: 1970
- Conference on Artificial Colloidal Agents

Third: 1965Second: 1963

- Groups
  - Resuscitative Fluids: Ad Hoc: 1969-1970
  - Review Status of Information Concerning Physiochemical Properties of Hydroxyethyl Starch: Ad Hoc:1966-1967
- Meetings
  - Drug-Refractory Malaria: Nov 1965
  - Hydroxyethyl Starch for Intravenous Use: Aug 1963
  - Informal: Nov 1966
  - Nineteenth

Sessions: Sep 13-15, 1970

o General: 1970

- Eighteenth-Seventeenth: 1969
- Sixteenth

o Program & Minutes: 1968

o General: 1968

• Fourteenth - Fifteenth: 1967

• Thirteenth -Tenth: 1966

• Sixth - Ninth: 1965

• Third - Fifth: 1964

Second – First: 1963
 Military Advisory Services: Thompson W L: 1963-1964

Panel for Assessment of Laboratory Screening Tests for Hepatitis Carriers:

Review: 1969

- Recommendations re Support of Study on Effect of Profound Blood Loss in Humans Treated Solely with IV Fluids & Plasma Volume Expanders: Ballinger C M: 1965-1966
- Reports: Incidence Mortality & Prevention of Posttransfusion Hepatitis: Review:
   1965
- Requests for Advice: 1965-1967
- Review of Progress on Study of Aged Intravenous Solutions Contained in Medical Stockpile Performed by U of Tennessee for Public Health Service: 1965-1966
- Statements
  - Current Status of Research on Hydroxyethyl Starch Solution: 1965, 1967, 1969
  - Laboratory Screening Tests for Identifying Carriers of Viral Hepatitis in Blood-banking & Transfusion Services: 1970
  - Normal (Whole, Pooled) Human Plasma: 1968
  - Outdated Serum Albumin in Medical Stockpile of Division of Health Mobilization of Public Health Service: 1966
  - Protective Effects of Malarial Immunoglobulin in Man: 1965-1966
  - Research Proposal of Research Triangle Institute for Characterization of Hydroxyethyl Starch for Use as Blood Plasma Expander: Proposed: 1965-1966
  - Storage of Immune Serum Globulin (ISG): 1966
  - Studies on Hemoglobin for Use as Plasma Volume Expander: 1967
  - Studies on Physical Chemical & Physiological Properties of Certain Natural Macromolecular Agents Used as Plasma Volume Expanders: 1964
- Symposium on Laboratory Screening Tests for Hepatitis Carriers
  - Papers: 1969Proceedings: 1969
  - General: 1969
- Working Group on Rh Nomenclature: Ad Hoc: 1969-1970
- General: 1964-1970