

# Central Policy Files

## 1914-1918

The Central Policy Files of the National Academies Archives contain the administrative records of the National Academy of Sciences and its operating arm, the National Research Council, as well as administrative records of the National Academy of Engineering and the National Academy of Medicine. The records in the Central Policy Files encompass operational and program papers documenting the operations and organization of the Academy complex and its study committees. The Academies' activities with international non-governmental scientific unions and organizations are particularly well-represented in the collection.

The documents that make up the Central Policy Files were created and/or received by the institution's Executive Offices while conducting institutional business. The collection therefore only includes institutional, and not personal, papers. The records contained in the Central Policy Files are considered privileged records and are closed to the public for a period of twenty-five years. Records in the Central Policy Files twenty-five years old and older are open to qualified researchers.

The records in the Central Policy Files are organized according to the NAS Records System, the structure of which follows the organization of the institution at the time the records in question were created. Under this system, the placement of an activity within the collection may change over a period of years, corresponding to changes in the organization of the institution. Beginning with the arrangement of records created in 2000, a modified and streamlined version of the NAS Records System has been in place.

For ease of use, the Central Policy Files are divided into discrete date banks, each of which encompasses a given number of years. Outline finding aids to the Central Policy Files correspond to date banks as they exist in the Archives. Because the Academies' activities are so numerous and varied, it is not possible to give capsule descriptions of each. However, the individual entries in the outlines to the collection should provide a general idea of the scope and subject matter of the activities documented.

### ADMINISTRATION

#### EXECUTIVE BOARD

- Appointments: Members: 1918
- Committees
  - Gases Used in Warfare: 1918
  - Patent Office: 1918
  - Publicity & Publications: 1918
  - Review of Draft Cases of Research Men: 1918
- Interim Committee: Meetings: 1917-1918
- Meetings: 1918
- Projects
  - Admission of German Scientific Literature to US: 1918
  - Consideration of Congressional Bills for Engineering Experiment Stations: 1918
  - Nomination of Engineers for Submarine Duty: 1918
  - Placement Service for Exiled Russian Scientists: Proposed: 1918

- Plan for Promotion of Research in Physics & Chemistry by Rockefeller Foundation
  - Endorsement by British Scientists: 1918
  - Proposals: 1918
  - General: 1918
- Scientists for Service in Allied Laboratories Proposed: 1918
- General: 1918

#### EXECUTIVE COMMITTEE

- Appointments: Members: 1916-1917
- Committees
  - Aeronautics: 1917
  - Agriculture
    - Projects: Production of Phosphate Fertilizer without Sulphuric Acid: 1917
    - General: 1916-1917
  - Anatomy: 1917
  - Anthropology: 1917
  - Astronomy
    - Subcommittee on Daylight Savings Time: 1917
    - General: 1916-1917
  - Botanical Raw Products: 1917
  - Botany
    - Projects: Cotton Substitute for Manufacture of Explosives: 1917
    - Subcommittee on Forestry: 1917
    - General: 1916-1917
  - Census Research
    - Census Blanks: 1917
    - General: 1916-1917
  - Chemistry
    - Projects: 1917
    - Reorganization: 1917
    - Subcommittees
      - Analytical Chemistry: 1916-1917
      - Biochemistry: 1916-1917
      - Carbohydrates: 1916-1917
      - Cellulose & Paper: 1916-1917
      - Cements & Related Building Materials: 1916-1917
      - Ceramics: 1916-1917
      - Chemical Apparatus: 1916-1917
      - Dyestuffs & Textiles: 1916-1917
      - Electrochemistry: 1916-1917
      - Explosives: 1916-1917
      - Fats, Fatty Oils & Soaps: 1916-1917
      - Fermentation: 1916-1917
      - Food Chemistry: 1916-1917
      - Forest Products: 1917
      - Fuels: 1916-1917

- Gases Used in Warfare: 1917
- Glass: 1916-1917
- Glue & Other Colloids: 1917
- Inorganic Chemistry: 1916-1917
- Leather & Tanning: 1916-1917
- Metallurgical Chemistry: 1916-1917
- Mineralogical & Geological Chemistry: 1916-1917
- Nitrates & Ammonia: 1917
- Organic Chemistry: 1916-1917
- Paints Varnishes & Resins: 1916-1917
- Pharmaceutical Chemistry: 1916-1917
- Physical Chemistry: 1916-1917
- Potash: 1917
- Rubber: 1916-1917
- Soils & Fertilizers: 1916-1917
- Synthetic Drugs: 1917
- General: 1916-1917
- Confer with Special Committee of Engineering Foundation concerning EF-NRC Relationships: 1917
- Cooperate with Council of National Defense: 1917
- Cooperation with Government Committee on Ocean Surveys & Ice Patrols: 1916
- Engineering
  - Meetings: Minutes: 1917
  - Memoranda: Weekly: 1917
  - Projects
    - Submarine Warfare: Concealment of Ships with Water Spray: 1917
    - Substitute for Lead in Shrapnel Bullets: 1917
    - General: 1917
  - Subcommittee on Protective Body Armor: 1917
  - General: 1916-1917
- Food: 1917
- Forestry: 1917
- Gases Used in Warfare: 1917
- Geography: 1916-1917
- Geology & Paleontology
  - Pacific Coast Subcommittee on Geology: 1917
  - Subcommittee on Cantonments & Topographical Instruction in Training Camps: 1917
  - General: 1916-1917
- Hygiene: 1916-1917
- Mathematics: 1916-1917
- Medicine: 1916-1917
- Medicine & Hygiene
  - Subcommittee on Psychiatry
    - Projects: Study of Shell Shock in France Proposed: 1917
    - General: 1917
  - Subcommittee on Sterilization of Water: 1917

- General: 1917
- Navigation & Nautical Instruments: 1917
- Nitrate Supply: 1916-1917
- Noxious Gases: 1917
- Office & Secretary in Washington: 1916-1917
- Office in Engineering Societies Building in New York: 1916
- Optical Glass: 1917
- Optical Instruments: 1917
- Organization of Research in Anthropological & Sociological Sciences: 1916
- Patent Office: 1917
- Physics
  - Projects
    - Centrifugal Gun: 1917
    - Dark Light Signaling: 1917
    - Propellant for Torpedoes: 1917
    - Use of High Pressure in Manufacture of Guns: 1917
    - General: 1917
  - Subcommittees
    - Aeronautical Instruments
      - Projects: 1917
      - General: 1917
    - Binoculars vs Monocular: 1917
    - Camouflage: 1917
    - Location of Invisible Aircraft: Report: 1917
    - Meteorology Proposed: 1917
    - Naval Range Finder: 1917
    - Prevention of Static Charges on Airships: Report: 1917
    - Sound Ranging: 1917
    - Submarine Detection
      - Chicago: Report: 1917
      - Madison: 1917
      - Magnetic Detection: Report: 1917
      - Nahant: 1917
      - New London: Report: 1917
      - New York City: 1917
      - San Pedro: 1917
      - General: 1917
    - Visibility: 1917
    - Wireless: 1917
      - General: 1917
- Physiology
  - Projects: Effects of Altitude on Pilots: 1917
  - Subcommittees
    - Hemorrhage Control: 1917
    - Industrial Fatigue: 1917
    - Shock: 1917
    - Transfusion after Hemorrhage: 1917

- General: 1916-1917
- Preventative Medicine: 1916
- Promotion of Industrial Research: 1916-1917
- Psychology
  - Meetings: Minutes: 1917
  - Projects: Deception Test: 1917
  - Subcommittees
    - Incapacity Reeducation & Vocational Training: 1917
    - Methods for Psychological Examination of Recruits: 1917
    - Military Training & Discipline Problems: 1917
    - Problems of Aviation: 1917
    - Tasks of Special Skill: 1917
    - Visual Problems: 1917
  - General: 1917
- Relations w State Research Councils: 1917
- Representation of Various Scientific Activities in NRC Membership: 1917
- Research in Educational Institutions
  - Suggestions for Research: George Washington University: 1917
  - General: 1916-1917
- Signaling: 1917
- Synthetic Organic Chemistry: 1916
- Toxicity of Preserved Foods Advisory: 1916-1917
- Zoology & Animal Morphology: 1916-1917
- Zoology
  - Projects: Location of Submarines w Seagulls & Seals: 1917
  - General: 1917
- Foreign Service Committee: 1917
- Interim Committee: Appointments: Members: 1917
- Meetings: 1916-1917
- Military Committee
  - Projects
    - Military Uniform & Blanket Specifications: 1917
    - Research Information Committee Beginning: 1917
    - Twenty-Four Problems from Naval Bureau of Construction & Repair: 1917
    - Subcommittees
      - Electrical Communications: 1917
      - Smokeless Powder: 1917
      - Utilization of Confiscated Opium: 1917
    - General: 1916-1917
- Projects
  - Admission of German Scientific Literature to US: 1917
  - Cartridge Primer Investigation: 1917
  - Consideration of Congressional Bills for Engineering Experiment Stations: 1916-1917
  - Ear Protectors: 1917
  - Helium Production: 1917
  - Military Status of Scientists & Technicians: 1916-1917
  - Proposed: 1917

- Recommendations of Twenty-Five Scientists & Technicians for Service in French Laboratories: 1917
  - Recommendations concerning Personnel & Organization of Gas Warfare Units: 1917
  - Submarine Chasers: 1917
  - General: 1917
- General: 1916-1917

## FELLOWSHIPS

- 1916-1918

## INSTITUTIONS – ASSOCIATIONS & INDIVIDUALS

- American Association for Advancement of Science: 1917-1918
- American Psychological Association
  - Committees
    - Psychological Examination of Recruits: 1917
    - Psychological Literature: 1917
    - Psychological Problems of Aviation: 1917
  - General: 1917-1918
- Association of American State Geologists: 1917-1918
- Committee on Provision for Feeble-Minded: 1918
- Engineering Council: War Committee of Technical Societies: 1917-1918
- Engineering Foundation: 1918
  - Beginnings: 1915
- Goddard R H: Rocket Gun: 1918
- Hale G E: Personal Papers: 1917-1918
- Millikan R A: Personal Papers: 1917-1918
- Mount Wilson Observatory: War Work: 1917-1918
- National Association of Cotton Manufacturers: 1918
- National Committee for Mental Hygiene: 1917-1918
- National Institute of Inventors: 1917-1918
- Research Corp: 1916
- Science Service: Proposed: 1917
- Throop College of Technology: 1917-1918
- Western Electric Co: 1917-1918
- General: 1917-1918

## INTERNATIONAL RELATIONS

- Academies & Councils Abroad
  - Canadian Honorary Adv Council for Science & Research: 1917-1918
  - General: 1917-1918
- Institutions Associates Abroad: College des Etats Unis: Proposed: 1918
- Inter-Allied Exchange of Information
  - French & British Scientific Mission to US
    - Notes on British Submarine Detection Work: 1917

- General: 1917
  - Italian Military Mission to US: 1917-1918
  - General: 1916-1918
- International Congresses
  - Inter-Allied Conference on International Scientific Organizations
  - London
    - Planning: 1917
    - Statement Submitted by NAS: 1918
    - Statement Submitted by Royal Society: 1918
    - General: 1918
  - Paris: 1918
- International Organizations
  - International Association of Academies: 1917
  - International Geodetic Association: 1915-1918
  - General: 1918
- General: 1915-1918

## LEGAL MATTERS

- Patents: 1918

## ORGANIZATION

### NATIONAL ACADEMY OF SCIENCE (NAS)

- Committees
  - Fifty on International Cooperation in Science: Joint with American Association for Advancement of Science: 1915
  - Amendment to Act of Incorporation: 1914
  - Biographical Memoirs: 1916-1917
  - Collection of Historical Portraits Manuscripts & Instruments: 1914-1915
  - Nitric Acid Supply: 1916
  - Organizing NRC: 1915-1916
  - Panama Canal Slides: 1916-1917
  - Synthetic Organic Chemistry: 1916
- Conference Committee of NAS & National Engineering Societies Joint: 1916
- Constitution & Rules: 1915-1917
- Council of Academy: Meetings: 1917-1918
- Future of NAS: 1914
- Meetings
  - Annual
    - 1915-1918
    - 1914
      - Business Sessions: Minutes: 1914
      - Dinner: Speeches: Transcript: 1914
      - General: 1914
  - Autumn

- Members Petition to Congress concerning League of Nations: 1918
  - General: 1914-1918
- Officers: Home Secretary: 1917
- Officers & Members: Listing: 1917
- Sections
  - Engineering: 1914-1918
  - Geology & Paleontology: 1915-1917
  - General: 1917
- Trust Funds
  - Consolidation of Funds for Investment Purposes: 1916
  - William Ellery Hale Lectures: 1914-1918
  - General: 1917-1918
- General: 1914-1918

#### NATIONAL RESEARCH COUNCIL (NRC)

- Activities: Report to Engineering Foundation
  - Criticism by Naval Consulting Board: 1917
  - General: 1917
- Appointments: Members: 1916-1918
- Committee Chairmen: Meeting: 1917
- Meetings
  - Third: 1917
  - First-Second: 1916
- Offers of Assistance & Requests for Science-Related Military Positions: 1917-1918
- Officers
  - Chairmen: 1916-1918
  - Secretary: 1916-1917
  - Vice-Chairmen & Director of Research: Millikan R A: 1916-1917
  - General: 1916-1917
- Organization & Members: Listing: 1917-1918
- Reorganization
  - Post-War
    - Committee on Organization: 1918
    - General: 1918
  - War: 1917-1918
- Staff
  - Listings: 1917-1918
  - General: 1917-1918
- Policy: 1916-1918
- Relationships NAS & NRC: 1917-1918
- Reports
  - Miscellaneous: Nos: 1-32: 1918
  - Report to Council of National Defense
    - Annual: 1917-1918
    - Monthly: 1917-1918
  - General: 1916-1917

- Relationships with Government
  - Franking & Telegraph Privileges: 1917-1918
  - National Advisory Committee for Aeronautics: 1917-1918
  - War Department: Post-War Liaison with NRC: 1918
  - General: 1917-1918
- Relationships with Professional & Scientific Organizations
  - AAAS (American Assoc for Advancement of Science): 1916-1918
  - Engineering Groups: 1916-1918
  - General: 1915-1918

## PROTECTION

- Oath of Office: 1918
- Security Questions concerning American Scientists: 1917
- General: 1916-1918

## PUBLIC RELATIONS

- Brochures
  - NAS
    - Description of Activities Membership & Financial Needs: 1915
  - NRC
    - Basis of Organization & Means of Cooperation with State Councils of Defense: 1917
    - Origin Scope & Organization: 1917
- Inaugurations Ceremonies
  - Speeches
    - Campbell W W: International Cooperation in Science: 1917
    - Carty J J: Relation of Pure Science to Industrial Research: 1916
    - Conklin E G: Organic Evolution: 1917
    - Durand W F: Aspects of Aeronautics: 1917
    - Hale G E
      - National Engineering Society & NRC: 1918
      - War Activities of NRC: 1918
    - Rutherford E: Constitution of Matter & Evolution of Elements
      - Final Manuscript: 1915
      - Transcript: 1914
- Newspaper & Magazine Articles: 1916-1918
- Press Releases: 1916-1918
- General: 1916-1918

## PUBLICATIONS

- Annual Tables of Constants & Numerical Data: 1917-1918
- International Catalogue of Scientific Literature: 1916-1918
- NAS Proceedings
  - Creation: 1914-1915

- Publication of NRC Material: 1917-1918
  - General: 1916-1918
- Science: 1917-1918
- General: 1915-1918

## DIVISIONS OF THE NRC

### AGRICULTURE – BOTANY & ZOOLOGY

- Collaborators with Committees: Official Recognition by Executive Board: 1918
- Committees
  - Agriculture: 1918
  - Botanical Raw Products
    - Gas Mask Charcoal: 1918
    - General: 1918
  - Botany: 1918
  - Fertilizers: 1918
  - Fisheries: Fish Salting Investigations: 1918
  - Forestry: 1918
  - Physiological Salt Requirements of Plants
    - Appeal for Cooperation: 1918
    - General: 1918
  - Sisal & Sisal Substitutes: 1918
  - Zoology
    - Chairmanship: 1918
    - Conference on Cooperation Between Government & Laboratory Zoologists
      - Proceedings: 1918
      - General: 1918
- Executive Committee
  - Appointments: Members: 1918
  - Meetings: 1918
- Formation: Jan 1918
- Projects
  - Deferred Classification: 1918
  - Diatoms: Mann A: 1918
  - Reconstruction of Instruction & Research: 1918
  - Rodent Control: 1918
  - War Emergency Board of Plant Pathologists: 1918
- Reorganization: 1918
- General: 1918

### CHEMISTRY & CHEMICAL TECHNOLOGY

- Activities: Listing: 1918
- Appointments: Members: 1918
- Committees
  - Ceramic Chemistry: 1918

- Chemical Engineering: 1918
- Explosives Investigations: 1918
- Nitrate Investigations: 1918
- Primers: 1918
- Synthetic Drugs: 1918
- Textile Coatings: 1918
- War Training for Chemists & Chemical Engineers: 1918
- Executive Committee: 1918
- Meetings: 1918
- Projects: 1918
- Reorganization: 1918
- General: 1918

## ENGINEERING

- Projects
  - Proposed: Steimetz J A: 1918
  - Super-Tank Development: 1918
- Sections
  - Electrical Engineering
    - Subcommittee on Welding Research
      - Meetings: Minutes: 1918
      - General: 1918
    - General: 1918
  - Mechanical Engineering
    - Projects: 1918
    - General: 1918
  - Metallurgy
    - Committees
      - Body Armor: Report: 1918
      - Fatigue Phenomena: 1918
      - Improvement of Metals at Blue Heat: 1918
      - Manganese: 1918
      - Pyrometers: 1918
      - General: 1918
  - Prime Movers: 1918
- General: 1918

## GENERAL RELATIONS

- Appointments: Chairman: Angell J R: Proposed: 1918
- Committee on Relations with Government Research Personnel: 1918
- Research Information Service
  - Appointments
    - Commercial Attaches: Proposed: 1918
    - Government Representatives: 1918
    - Scientific Attaches

- Designation by State Department: 1918
  - General: 1918
- General: 1918
- Exchange of Information & Documents
  - Foreign Governments
    - Britain: 1918
    - Italy: 1918
    - General: 1918
  - Government
    - Agriculture Department
      - Bureau of Chemistry: 1918
      - General: 1918
    - Commerce Department: Bureau of Standards: 1918
    - Fuel Administration: 1918
    - Interior Department
      - Bureau of Mines
        - Experiment Station: American University: 1918
        - General: 1918
      - Geological Survey: 1918
    - National Advisory Committee for Aeronautics: 1918
    - Navy
      - Bureau of Construction & Repair: 1918
      - Bureau of Ordnance: 1918
      - Bureau of Steam Engineering: 1918
      - Naval Experiment Station: 1918
      - Naval Intelligence Office: 1918
      - Naval Operations Office: 1918
      - General: 1918
    - War Department
      - Bureau of Aircraft Production: 1918
      - Bureau of Insular Affairs: 1918
      - Chemical Service Station: 1918
      - Chemical Warfare Service: 1918
      - Division of Military Aeronautics: 1918
      - Division of Military Intelligence: 1918
      - Engineer Corps: 1918
      - Ordnance
        - Engineering Division: 1918
        - General: 1918
      - Signal Corps: Engineering & Research Division: 1918
      - Quartermaster General's Office: 1918
      - Surgeon General's Office: 1918
      - Tank Corps: 1918
      - General: 1918
    - War Industries Board: 1918
    - General: 1918
  - NRC

- Individuals Engaged in War Research: 1918
  - General: 1918
- Non-Government
  - Associations
    - American Society of Mechanical Engineers: 1918
    - Engineering Foundation: 1918
    - General: 1918
  - Companies
    - Curtiss Engineering Corporation: 1918
    - General Electric Company: 1918
    - Western Electric Company: 1918
    - General: 1918
  - Individuals: 1918
  - Institutions
    - Rockefeller Institute for Medical Research: 1918
    - General: 1918
- Foreign Offices
  - London
    - Beginning of Program: 1918
    - General: 1918
  - Paris
    - Beginning of Program: 1918
    - General: 1918
  - Rome
    - Beginning of Program: 1918
    - General: 1918
- Meetings: 1918
- Recognition by Military: 1918
- Staff: 1918
- Use of Special Mail Pouches: 1918
- General: 1918
- Sections
  - Educational Relations
    - Committee on Education & Special Training: 1918
    - Fellowships at Colleges & Universities Listing: 1918
    - Plans to Offset Faculty Reductions Due to Decreased War-Time College Enrollments: Proposed: 1918
    - General: 1918
  - Foreign Relations: 1918
  - Industrial Research
    - Advisory Committee: 1918
    - Committee on Promotion: Joint with Engineering Foundation: 1918
    - Projects
      - Cooperative Research: Zinc Industry: 1918
      - Inventory of Laboratories: 1918
      - General: 1918
    - General: 1918

- State Council Relations: 1918
- General: 1918

## GEOLOGY & GEOGRAPHY

- Committees
  - Geography: 1918
  - Geological Training in Army Camps
    - YMCA Lectures: 1918
    - General: 1918
  - Geology & Paleontology
    - Subcommittees
      - Geology of Cantonments: 1918
      - Road Materials: 1918
    - General: 1918
  - Reconstruction: Joint With Divisions of Engineering and Agriculture: 1918
  - Student Army Training Corps Courses
    - Course Outlines: 1918
    - Requests: 1918
    - General: 1918
- European Representative: Johnson D W: 1918
- Executive Committee
  - Appointments: Members: 1918
  - Meetings: 1918
- Projects
  - Army Geological Service: Proposed: 1918
  - Census of Earth Sciences Personnel & War-Related Research: 1918
  - Coal Production Problems: 1918
  - Cooperation With War Department Intelligence Section
    - Lists of Experts
      - Mexico: 1918
      - Siberia & Russia: 1918
    - Monograph Work: Proposed: 1918
    - General: 1918
  - Distribution of Information on Western Europe: 1918
  - Reconstruction Problems in Earth Sciences: 1918
- General: 1918

## MEDICINE & RELATED SCIENCES

- Activities
  - Listing: 1918
  - Summary: 1918
- Committees
  - Anatomy: 1918
  - Anthropology
    - Reorganization: 1918

- Subcommittees
    - Anthropometry in Army: 1918
    - Race in Relation to Disease: 1918
  - Survey of Problems: 1918
  - General: 1918
- Biochemistry: 1918
- Improvement of Transfusion Methods: 1918
- Industrial Poisonings
  - Beginning of Program: 1918
  - Meetings: 1918
  - General: 1918
- Medical Zoology
  - Subcommittee on Entomology
    - Louse Investigation: 1918
    - General: 1918
  - Subcommittee on Helminthology: 1918
  - Subcommittee on Protozoology: 1918
  - General: 1918
- Medicine & Hygiene: 1918
- Neurology & Psychiatry
  - Projects: Analysis of Army Discharge Records: 1918
  - General: 1918
- Physiology
  - Projects: Lung Motor Investigation: 1918
  - Subcommittee on Fatigue in Industrial Pursuits: 1918
  - Subcommittee on Shock
    - Concussion Shock Study: 1918
    - General: 1918
  - Subcommittee on Solutions Adapted for Transfusion After Hemorrhage: 1918
  - General: 1918
- Psychology
  - Appointments
    - Members: 1918
    - Meetings: 1918
  - Projects
    - Auditory Problems
      - Listeners' School Requirements: 1918
      - Report: 1918
      - General: 1918
    - Aviation Problems: Report: 1918
    - Deception Test: 1918
    - Emotional Fitness for Warfare
      - Conference: 1918
      - General: 1918
    - Gas Camouflage: Report: 1918
    - Military Training Problems
      - Re-education of Disabled: 1918

- Requests for Funds: 1918
    - General: 1918
  - Morale
    - Conferences: 1918
    - General: 1918
  - Propaganda: 1918
  - Psychological Examination of Recruits: Report: 1918
  - Re-Education Problems: 1918
  - Selection of Skilled Men: 1918
  - Visual Problems
    - Gas Mask Studies: 1918
    - Lookout School: 1918
    - General: 1918
  - General: 1918
  - Reorganization: 1918
  - Reports
    - Annual: 1918
    - Monthly: 1918
  - Requests for Funds: 1918
  - General: 1918
  - Toxicity of Preserved Foods: 1918
  - Treatment of Chronic Anemia: 1918
- Executive Committee
  - Appointments: Members: 1918
  - Meetings
    - Agendas: 1918
    - Minutes: 1918
    - Summary of Actions: 1918
  - General: 1918
- Funding: 1918
- Organization & Functions: Memoranda: 1918
- Projects
  - Analysis of Proprietary Preparations: 1918
  - Bibliographies of War-Related Research: 1918
  - Bibliographies on Streptococcus: 1918
  - Development of Mask to Prevent Droplet Infection: 1918
  - Effect of Common Antiseptics on Tissues: 1918
  - Fermentation Reactions of Streptococci: 1918
  - Immunized Skin Grafts: 1918
  - Increased Supply of White Mice for Army Laboratories: 1918
  - Investigations of Edema in Infants: 1918
  - Medical Aspects of Gas Warfare Investigations: 1918
  - Medical Education
    - Pathology & Epidemiology Courses: 1918
    - Recommendations Concerning Lab Work for Interns in Pennsylvania: 1918
    - SA1'C (Student Army Training Corps): 1918
    - General: 1918

- Medical Personnel for Army Service
  - Pathologists: 1918
  - Women Laboratory Technicians: 1918
  - General: 1918
- Neurosurgical Laboratory Proposed: 1918
- Research Information Service
  - Exchange of Information & Documents
    - Foreign Offices: 1918
    - General: 1918
  - Medical Representative at Paris Perkins R G: 1918
- Research Personnel in Base Hospitals Abroad
  - Survey: 1918
  - General: 1918
- Streptococci in Cheese as Possible Source of Camp Infections: 1918
- Studies of Anaerobic Bacteria Using Rare Sugars: 1918
- Studies of Influenza: 1918
- Studies of Streptococcus Infection & Empyema: 1918
- Substitute for Petri Dish: 1918
- Supply & Medical Uses of Chemicals
  - Colloidal Silver: 1918
  - Hemostatic Substances: 1918
  - General: 1918
- Support for Army Medical Museum: 1918
- Survey of Division's Usefulness to Government Agencies: 1918
- Survey of Sanitary Conditions in Turkey & Tropical Africa: 1918
- Survey of War Research Problems
  - Institutional Summary: 1918
  - Topical Summary: 1918
  - General: 1918
- General: 1918
- General: 1918

## MILITARY DIVISION

- 1918

## PHYSICAL SCIENCES

- Activities
  - Listing of Projects: 1918
  - Summary of Projects: 1918
- Committees
  - Astronomy: 1918
  - Navigation & Nautical Instruments: 1918
  - Optical Glass: 1918
- Conferences of NRC & Military Representatives: Joint with Division of Engineering
  - Agendas: 1918

- General: 1918
- Executive Committee
  - Appointments: Members: 1918
  - Meetings: 1918
  - Projects: SATC (Student Army Training Corps) Physics Courses: 1918
- Projects
  - Aerial Torpedo: 1918
  - Aeronautical Instruments
    - Bombsights & Stabilizers: 1918
    - Field Starter: 1918
    - General: 1918
  - Airplane Dope Solvent Alcohols: 1918
  - Airplane Power Plants
    - Carburetors: 1918
    - Dual Control: 1918
    - Engines: 1918
    - General: 1918
  - Anti-Aircraft Gunnery: 1918
  - Aviation Field Lighting: 1918
  - Aviation Fuel
    - Benzol Testing: 1918
    - Narrow-Cut Process: 1918
    - Solidified: 1918
    - Substitutes: 1918
    - General: 1918
  - Balloons
    - Ammonia Balloons: 1918
    - Electrostatic Problems: 1918
    - Helium Production: 1918
    - Hot Air Balloons: 1918
    - Small Balloons for Propaganda: 1918
    - General: 1918
  - Bridgman Gun: 1918
  - Camouflage
    - Airplane Camouflage: 1918
    - Filters for Detection: 1918
    - Smoke Screens from Airplanes: 1918
    - General: 1918
  - Cartridge Primer Investigations
    - Pressure Gauge: 1918
    - General: 1918
  - Centrifugal Gun: 1918
  - Coincidence Range Finder: 1918
  - Dry Cell Improvements: 1918
  - Ear Protectors: 1918
  - Electroplated Bullet Jacket: 1918
  - Flares: 1918
  - Helicopters: 1918

- High Speed Radio: 1918
- Infrared Detection: 1918
- Infrared (Dyscrasite) Signaling: 1918
- Kites: 1918
- Lamp Signaling: 1918
- Leak-Proof Fuel Tank for Airplanes: 1918
- Liquid Gas Containers: 1918
- Mines: 1918
- Monocular vs Binoculars: 1918
- Muzzle Velocity of Projectiles: 1918
- Navigation of Airplanes: 1918
- Night Binoculars: 1918
- Parachutes: 1918
- Photoelectric Receiver: 1918
- Photography
  - Aerial: 1918
  - General: 1918
- Pigeon Signaling: 1918
- Pressure Waves Due to Gun Discharge: 1918
- Range Finder for Binoculars: 1918
- Searchlight Investigation: 1918
- Shop Work at Carnegie Institute of Technology: 1918
- Signaling Telescope: 1918
- Sound Ranging
  - Location of Aircraft by Sound: 1918
  - Patent Question: 1918
  - Seismologic Investigations: 1918
  - General: 1918
- Submarine Detection
  - Crystal Detectors: Reports: 1918
  - Echo Method: 1918
  - Magnetic Detection: Reports: 1918
  - Proposals: 1918
  - Quartz Supply: Report: 1918
  - Rieber Laboratories: 1918
  - Supersonics: Report: 1918
  - Visual Detection: 1918
  - General: 1918
- Ultraviolet (Marsha) Signaling: 1918
- General: 1918
- General: 1918

## FINANCE & ACCOUNTING

### FINANCE

- Finance Committee: Meetings: 1914-1918
- Financial Reports & Statements: 1918

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- Funds: Grants
  - Adams E D: 1917
  - Carnegie Corporation of New York
    - Building & Endowment Fund: 1914-1918
    - NRC General Purposes: 1917-1918
  - Council of National Defense: NRC General Purposes Grant: 1917-1918
  - Engineering Foundation: 1916-1918
  - Keen W W: 1917-1918
  - Rockefeller Foundation: Division of Medicine & Related Sciences: 1917-1918
  - General: 1916-1917
- General: 1917-1918

## TAXES

- 1918

## GOVERNMENT

### AGENCIES & DEPARTMENTS

- Agriculture
  - Weather Bureau: 1916-1918
  - General: 1917-1918
- Commerce
  - Bureau of Standards: 1916-1918
  - General: 1917-1918
- Food Administration: 1917-1918
- Interior
  - Bureau of Mines: 1916-1918
  - Geological Survey: 1916-1918
  - Joint Information Board on Minerals & Derivatives: 1918
  - General: 1917
- Labor: Committee on Hazardous Occupations: 1918
- National Advisory Committee for Aeronautics: 1915-1918
- Navy
  - Bureau of Construction & Repair: 1916-1917
  - Bureau of Ordnance: 1917-1918
  - Bureau of Steam Engineering: 1916-1918
  - Navy Consulting Board
    - Committee on Industrial Preparedness 1916
    - Special Problems Committee: 1917
    - General :1915-1918
  - Special Board on Anti-Submarine Devices: 1917-1918
  - General: 1916-1918
- Shipping Board: 1917-1918
- Smithsonian Institution: 1917-1918
- State: 1916-1918

- Treasury: 1916-1918
- War
  - Adjutant General's Office: Committee on Classification of Personnel
    - Forms: 1917-1918
    - General: 1917-1918
  - Bureau of Aircraft Production: Science & Research Department
    - Travel Orders: 1918
    - General: 1918
  - Chemical Service Section: 1917
  - Chemical Warfare Service: 1918
  - Committee on Education & Special Training
    - Student Army Training Corps: Mental Testing: 1918
    - General: 1918
  - Engineer Corps
    - Sound & Flash Ranging Section: 1917-1918
    - General: 1917-1918
  - Ordnance Department: 1916-1918
  - Signal Corps
    - European Research & Investigation Mission: 1917
    - Meteorological Section: 1917-1918
    - Science & Research Division
      - Exchange of Information & Documents with War Department Divisions: 1918
      - Staffing: 1917-1918
      - General: 1917-1918
    - Sound Ranging Section: 1917
    - General: 1916-1918
  - Surgeon General's Office
    - Army Neuro-Surgical Laboratory at Johns Hopkins Medical School: 1918
    - Division of Psychology
      - Psychological Examination of Recruits
        - Tests & Forms: 1918
        - General: 1918
      - General: 1918
    - General: 1916-1918
  - General: 1916-1918
- General: 1917-1918

## CONGRESS

- Acts: Authorizing NAS to Receive & Hold Trust Funds Amendment: 1914
- Dues: International Geodetic Association: 1916
- Bills: Establishment of Engineering Experiment Stations: 1916-1918
- General: 1915-1917

## EXECUTIVE

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- Council of National Defense
  - General Medical Board: 1916-1918
  - General Munitions Board: 1917
  - Membership Lists: 1917
  - War Industries Board: 1917
  - General: 1916-1918
- Executive Orders & Directives EO 2859: NRC: 1918
- General: 1916-1918

#### FOREIGN GOVERNMENTS

- 1916-1918

#### INTERNATIONAL RELATIONS

- League of Nations: 1918

#### MUNICIPAL

- Philadelphia: John Scott Medal & Premium: 1917

#### STATE GOVERNMENTS

- California: State Council of Defense: Committee on Scientific Research: 1917-1918
- General: 1917

#### PROPERTY & EQUIPMENT

#### REAL ESTATE

- Buildings
  - NAS-NRC
    - Committee on Building: Meetings: 1918
    - General: 1914-1918
  - NRC: Office Space: 1916-1918

#### GENERAL

- 1917-1918