

121.1

OSD1.940706.023

October 25, 1948

Dr. Edwin J. Cohn
 Department of Physical Chemistry
 Harvard Medical School
 25 Shattuck Street
 Boston, Massachusetts

Dear Dr. Cohn:

I have culled from our listing of projects sponsored by the armed forces the attached list of possibly useful studies. This was prepared hastily before leaving on the trip about which I spoke to you. I have initiated efforts to obtain a little more detailed information about these projects and hope to inform myself before our next visit. If there are studies on which you would like earlier or more elaborate information, please let me know.

The code number should make it easy for us to locate a project, but since our system is far from infallible, it would be appreciated if you would include the title as well as the code number in referring to any of these projects.

Sincerely yours,

157

JAMES E. McCORMACK, MD
 Deputy Director
 Committee on Medical Sciences

JEMcC:bec

Enc. 1 reprint

1 list of 35plus 3 projects

7 July 94

RG 330, SECRETARY OF DEFENSE
 ENTRY 341, RESEARCH AND DEVELOPMENT
 BOARD RECORDS CONCERNING
 ORGANIZATION, BUDGET, AND THE
 ALLOCATION OF RESEARCH AND DEVELOP-
 MENT 1946-1953
 Box 574
 File RDB-ME-113

DoD RECC

LIST OF 35 CURRENT PROJECTS IN MEDICAL SCIENCES

6-60-13-09	Effect of nucleoproteins on agranulocytosis
NR 135-165	Investigation of reticulo endothelial immune serum
NM 007 018	Hemoglobin solution, test of the therapeutic value in typhus fever
1 (II) 8-3	A study of blood properties in cold, and changes which occur with acclimatization
NR 136-259	Globin, preservation of dried plasma & blood
NR 171-643	Role of iron, zinc and other metals in the metabolism of human erythrocytes and leukocytes with reference to the blood dyscrasias
NR 110 252	Metabolic effects of folic acid
NR 112-124	The hypophysis and iron metabolism
NR 136-174	Immunological studies of red cells
6-61-09-004	Antigen-antibody reaction, quantitative studies of
NR 135-167	Universal serologic reaction
2-10-20-36	The presence of specific antigens in the blood stream in early acute phases of various specific infectious diseases
NR 171 362	Screen test for urinary porphyrin excretion
NM 000 006	Physicochemical studies on native and chemically modified proteins to elucidate specific structural characteristics
NR 124 186	Mineral element binding properties of intra-cellular constituents
NR 110-761	Metabolism of copper
NM 007 027	A colorimetric method for the determination of citrate ion in blood and plasma
NR 122-490	Study of enzyme systems involved in biological oxidations and synthesis in animal tissue
NR 122-011	Cytochrome C metabolism
NR 121 289	Solubility coefficient of carbon monoxide
NM 001 021	An investigation of an inactive pigment found in the blood
NR 172 428	Electrostatic aspects of blood
NR 172 628	The electrostatic forces in blood and their relationship in the coagulation mechanics
NM 000 008	Electrostatic forces in blood, and their relationship to the coagulation mechanism
NR 112 198	Fluid, electrolyte and protein requirements of patients with surgical disease
6-64-12-17	Infused red cells as a source of protein in man
NR 131-194	Changes in food during storage in frozen conditions
21-02-086	The importance of polycythemia in increased altitude tolerance
74 8-2	Acclimatization to altitude and its potentiation I. Study of respiratory enzymes

7 July 94

RG 330, SECRETARY OF DEFENSE
 ENTRY 341, RESEARCH AND DEVELOPMENT
 BOARD RECORDS CONCERNING
 ORGANIZATIONS, BUDGET, AND THE
 ALLOCATION OF RESEARCH AND DEVELOP-
 MENT 1946-1953
 Box 574
 File RDB-MS-113

DoD REC

Projects in Medical Sciences -- con'd.

2-10-20-58 Acclimatization to altitude and its potentiation
II. Study of utilization of oxidative energy
NM 001 008 Blood cell volume responses to anoxia in aircrew
personnel
2-10-30-05 Studies of effect of injected cytochrome C on
altitude tolerance
NM 001 020 Objective and subjective studies of the effect of
cytochrome C used intravenously
2-10-20-54 Further investigations on the injection of respiratory
catalysts in an attempt to improve anoxia
tolerance
NM 002 001 Measurement of gaseous exchange in man using radio-
active tracers

AEC RESEARCH CONTRACTS ADMINISTERED BY ONR IN BIOLOGY AND MEDICINE

NR 124 015 July 31, 1948 to June 30, 1949
Fractionation of Plasma Proteins
Dr. A. Chanutin
University of Virginia

NR 171 158 June 20, 1948 to June 30, 1949
Effects of Irradiation
Dr. J. H. Lawrence
University of California

NR 171 196 August 8, 1948 to June 30, 1949
Plasma Proteins
Dr. G. H. Whipple
University of Rochester

7 July 94

SECRETARY

DEFENSE