

# **Rockefeller University records, Reports of Students**

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#### **Summary Information**

**Repository:** Rockefeller Archive Center

**Creator:** Rockefeller University

**Creator:** Rockefeller Institute for Medical Research

**Title:** Rockefeller University records, Reports of Students

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**Date [inclusive]:** 1959-1972

**Physical Description:** 4 Box(es)

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Language of the

English

**Material:** 

#### **Preferred Citation note**

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### **Scope and Contents**

Reports of students on work done for laboratory course in biochemistry.

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#### Arrangement

Arranged by each year. Each volume indexed.

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#### File Plan note

Former Classification: I 470-1

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#### **Administrative Information**

#### **Publication Statement**

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#### **Conditions Governing Access note**

This collection is open for research. Brittle or damaged items are available at the discretion of RAC.

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## **Controlled Access Headings**

- Arboviruses
- Cell and biomolecular sciences
- Science -- Study and teaching
- Medical education
- Medicine, Preventive
- Medical technology
- Chemistry
- Biochemistry
- Biology -- Research

- Life sciences
- Animal behavior
- Medical research
- Medical sciences

# **Collection Inventory**

Title/Description	Instances
Reports of students - General Biochemistry	
1959-1962	box 1
Summer 1959	box 1
1 Alan R. Adolph NUCLEAR MAGNETIC RESONANCE	
2 Thomas Peter Bennett THE OPTICAL SPECIFICITY OF AN AMINO ACID DEPENDENT EXCHANGE BETWEEN <sup>32</sup> P LABELED INORGANIC PYROPHOSPHATE AND ATP IN BACILLUS BREVIS EXTRACTS	
3 Barry R. Bloom ON THE INTRACELLULAR LOCALIZATION OF AN S <sup>3</sup> #-COUPLED AZOPROTEIN ANTIGEN IN RABBIT SPLEEN	
4 Arthur H. Burr, Jr. AN AUTORADIOGRAPHIC STUDY ON THE UPTAKE OF S <sup>3</sup> # SULFATE BY NERVOUS TISSUE ON THE RAT	
5 Stephen Cooper ACTION OF DIOXANE ON CARBOXYPEPTIDASE	
6 Marc Estrin FURTHER EXPERIMENTS ON THE PRODUCTION OF AMINO ACIDS UNDER POSSIBLE PRIMITIVE EARTH CONDITIONS	
7 Peter John Gomatos LEVELS OF OXIDIZED AND REDUCED DIPHOS-PHOPYRIDINE NUCLEOTIDE AND TRIPHOSPHOPYRIDINE NUCLEOTIDE IN HELA CELLS INFECTED IN TISSUE CULTURE WITH NEWCASTLE DISEASE VIRUS	
8 Guido Guidotti STUDIES ON THE C-TERMINAL AMINO ACID OF HEMOGLOBIN	
9 John J. Hutton STUDIES ON COLICINE K - THE PHYSIOLOGY OF E. COLI K###	
10 Bruce S. McEwen TRANSFER OF PALMITATE FROM SERUM ALBUMIN TO RAT LIVER FRACTIONS	
Summer 1960	box 1

1 Harry S. Alwine, Jr. A QUANTITATIVE STUDY OF DNA CONCENTRATION IN NUCLEI OF THE LIVER AND SPLEEN OF LABORATORY RATS	
2 Stephen Atherton IN VITRO STUDIES OF TOXIC FACTOR FROM LYMPH NODE CELLS OF BURNED RATS	
3 John E. Bellis SERUM PROTEINS OF THE DOMESTIC PIGEON	
4 Richard C. Blinkoff HEXOSAMINE AND GLUCURONIC ACID ANALYSIS IN VARIOUS BRAIN TISSUES	
5 Merrill burr CHROMATOGRAPHIC SEPARATION OF COMMERCIAL GUANOSINE-51-TRIPHOSPHATE ON A DOWEX 1 x 10 COLUMN WITH 0.8 M to 1.6 M AMMONIUM FORMATE, pH 5, AND SUBSEQUENT TESTS	
6 Paul T. Englund THE CRYSTALLIZATION AND CHROMATOGRAPHY OF YEAST PYROPHOSPHATASE	
7 Joe Gally A STUDY OF THE PRODUCTS OF THE REACTION OF DIPHENYLAMINE WITH DEOXYRIBOSE, DEOXYBONUCLEIC ACID, AND FURFURYL ALCOHOL	
8 Lorna Green DETERMINATION OF THE PYRIDINE NUCLEOTIDES IN ANIMAL TISSUE BY FLUORIMETRIC METHODS	
9 John Hershey INULIN BIOSYNTHESIS - THE PURIFICATION OF FRUCTOKINASE	
10 Bernard F. Mach FLUORIMETRIC DETERMINATION OF PYRIDINE NUCLEOTIDES	
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2 William E. Bowers STUDIES ON THE TRYPSIN DIGESTION OF OVALBUMIN DENATURED BY HEAT AND UREA	
3 Galeb E. Finch STUDIES ON THE  3, D-GALACTOSIDASE INDUCIBLE STRAIN OF ESCHERICHIA COLI, K-12	
4 J.D. Foch, Jr. PURIFICATION OF #-GALACTOSIDASE FROM E. COLI BY STARCH GEL ELECTROPHORESIS	
5 Alexander Kessler AN ALBUMIN - FATTY ACID COMPLEX: HYDROLYSIS BY PEPSIN AND TRYPSIN	
6 Steven W. Matthysse ENTHALPY OF ACTIVATION OF GLYCERALDEHYDE - 3 -PHOSPHATE DEHYDROGENASE	

7 Lewis K. Nading THE EFFECT OF MARGIAL LEVELS OF BIOTIN AND AMMONIUM ON THE L-AMINO ACID OXIDASE AND THE FREE AMINO ACID POOL OF NEUROSPORA CRASSA 8 Norman Robbins AN ATTEMPT TO DETECT THE SYNTHESIS OF 3,4 DIHYDROXYPHENYLETHYLAMINE (DOPAMINE) IN MAMMALIAN SKIN 9 Leonard A. Sauer MITOCHONDRIAL MALIC DEHYDROGENASE INHIBITION BY ADENOSINE DIPHOSPHORIBOSE 10 Philip M. Seeman SALIVA PEROXIDASE 11 Gudrun D. Staub STARCH GEL ELECTROPHORESIS OF RAT AND FROG SERA 12 Lawrence S. Sturman Ca## TRANSPORT BY THE INTESTINE OF THE RAT Summer 1962 box 1 1 Anthony Cerami N-TERMINAL AMINO ACID DETERMINATION OF PP-L, A PROTEINPOLYSACCHARIDE COMPLEX 2 Brian Clark CHARACTERIZATION OF E. COLI S-RNA ISOLATED BY USE OF STREPTOMYCIN SULFATE 3 Rosemary Faulkner AMINO ACID INCORPORATION BY MICROSOMES AND RIBOSOMES ISOLATED FROM **RAT LIVER** 4 Scott M. Grundy STUDIES ON ELECTROPHORETIC LIPORPROTEIN PATTERNS IN VARIOUS SPECIES 5 Alan M. Kapuler THE REGULATION OF ARGININE METABOLISM BY COORDINATE INDUCTION AND REPRESSION 6 Harvey Franklin Lodish AN INVESTIGATION OF THE KINETICS AND MECHANISM OF ENZYME CATALYZED MUTAROTATION 7 John Marchalonis A STUDY OF IN VITRO Ca## ABSORPTION AND RELEASE BY INTACT TISSUE AND SEROSAL SHEETS FORMED FROM RAT INTESTINE 8 Frances Messik STUDIES ON THE ATP AND UTP CONTENT OF COSTAL CARTILAGE 9 Dan Rifkin THE COMPOSITION OF CHIMPANZEE **HEMOGLOBIN** 10 Alan B. Steinbach PRELIMINARY INVESTIGATIONS INTO THE CHEMICAL STRUCTURE OF

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1 Helen H. Arnold DIGESTION OF PROTEINPOLYSACCHARIDE WITH A PROTEOLYTIC ENZYME ISOLATED FROM COSTAL CARTILAGE	
2 A.H. Cass, Jr. WATER PERMEABILITY OF THIS LIPID MEMBRANES	
3 Wm. Einer Gall KINETIC STUDIES ON AN ENZYME FROM CARTILAGE USING A VISCOMETRIC ASSAY	
4 Vincent Hascall ENZYMATIC HYDROLYSIS OF ATP AND ITP BY RABBIT MUSCLE MYOSIN IN THE PRESENCE OF THE PURINE DERIVATIVES ADENINE, HYPOXANTHINE AND 6-MERCAPTO PURINE	
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10 Lee Van Lenten FRACTIONATION OF DEGRADED PROTEINPOLYSACCHARIDE FROM CARTILAGE BY COUNTERCURRENT DISTRIBUTION METHODS	
11 Charles Wahl THE INDUCTION OF THREONINE DEHYDRASE IN RAT LIVER	
12 Eric Weinberg STUDIES ON THE ENZYME, NITRATE REDUCTASE	
13 Robley C. Williams Jr. A STUDY OF THE LIPIDS OF SPINACH CHLOROPLASTS BY THIN-LAYER CHROMATOGRAPHY	
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2 Barbara Sue Andrews STUDIES OF A THIN- LAYER CHROMATOGRAPHIC METHOD FOR THE SEPARATION OF THE SEX PEPTIDE OF ADULT MALE DROSOPHILA MELANOGASTER	
3 Richard W. Compans A STUDY OF THE MECHANISM OF ACTION OF VIRUS SPECIFIC INHIBITORS	
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5 Lyndell Larsen DETERMINATION OF FATTY ACIDS IN CARTILAGE BY GAS-LIQUID CHROMATOGRAPHY	
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2 Barry Bean A BIOLOGICAL NOTION OF BACTERIOPHAGE P22	
3 Jack Bradbury THE PHOTORECEPTOR PIGMENTS IN THE VISCERAL GANGLION OF APLYSIA	
4 Michael Chanowitz STUDY OF AN INFECTIOUS HEMOLYTIC ANEMIA OF RATS	
5 WILLIAM L.R. CRUCE PHOSPHATE MERABOLISM AND THE SODIUM PUMP IN WHOLE NERVE FROM LIMULUS	
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7 Bill Ensminger UBIQUINONE INTERACTION WITH INORGANIC PHOSPHATE	
8 Dave Herron THE REACTION OF MITOMYCIN C WITH SALMON SPERM DNA	
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11 Gretchen Knecht AN ATTEMPT TO LOCALIZE GLUTATHIONE WITHIN THE MITOTIC CELL	
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19 Mary R. Rifkin SEPARATION OF TRYPTIC PEPTIDES OF SEC HEMOGLOBIN	
20 Martin Spencer THE EFFECT OF TRIIODOTHYROACETIC ACID IN VITRO ON LIPOLYSIS IN ADIPOSE TISSUE	
21 Phyllis Susan Romanoff PROTEIN SYNTHESIS IN THE RAT UTERUS: THE EFFECT OF ESTRADIOL-17 # ON RIBOSOMAL MATERIAL	
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2 William R. Colquhoun SOME METHODS FOR CHEMICAL ANALYSIS OF BIOLOGICAL MEMBRANES	
3 David Forman A STUDY OF A SUBSTANCE FROM BRAIN TISSUE WHICH STIMULATES SMOOTH MUSCLE	
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5 Anne S. Gift STUDIES ON THE PURIFICATION AND RENATURATION OF TAKA-AMYLASE	
6 Paul David Gottlieb A PARTIAL PURIFICATION OF MILK LIPASE	

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9 J.L. Mosser ON THE APPLICATION OF DISC ELECTROPHORESIS TO THE ISOLATION OF A FACTOR RESPONSIBLE FOR TRANSFORMABILITY IN DIPLOGOCCUS PNEUMONIAE	
10 Robert Shapley UPTAKE AND ESTERIFICATION OF FATTY ACIDS BY RAT ADIPOSE TISSUE: THE EFFECT OF PALMITATE AND ALBUMIN ON IN VITRO INCUBATIONS	
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2 Samuel Balk DETERMINATION OF THE NATURE AND LOCATION OF MYXOVIRUS NEURAMINIDASE - REVIEW OF THE LITERATURE ON NEURAMINIDASES AND ASSAY OF NEURAMINIDASE SUBSTRATE FOR PURITY	
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6 N. Fedoroff HISTONE ACETYLATION IN ISOLATED RAT LIVER NUCLEI	
7 Craig Fields RNA DETERMINATION IN LIVING CELLS BY INTERFERENCE MICROSCOPY	
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9 L. Martin Jerry THE ISOLATION OF VASOPRESSIN FROM BOVINE NEUROHYPOPHYSEAL EXTRACT	
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1 Richard S. Bockman THE USE OF A FLUORESCENT PROBE TO STUDY THE CHANGE IN CONFORMATIONAL STATE OF BOVINE IgG

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3 Carl D. Hopkins CHEMICAL, RATHER THAN BIOLOGICAL, ASSAYS FOR ACETYLCHOLINE IN BRAIN TISSUE	
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6 Cynthia Reed Nist AN ATTEMPT TO PURIFY THE MUTAROTATING ENZYME: 5.1.3.3 ALDOSE 1-EPIMERASE	
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2 Eve Ida Barak ISOLATION OF CHLOROPLAST RIBOSOMES FROM EUGLENA	
3 John David Castle SOME CHARACTERIZATION OF AN INDUCED SECRETION OF RAT LACRIMAL GLANDS	
4 Barry R. Dworkin A STEROID HORMONAL FACTOR IN CYSTIC FIBROSIS: AN ATTEMPT AT DETECTION USING G.L.C.	
5 Bernard W. Fulpius CHONDROMUCOPROTEIN EXTRACTION FROM UNCALCIFIED AND CALCIFIED CARTILAGE BY A NUCLEOPHILIC (NH#OH) AND A CHELATING (EDTA) REAGENT	
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8 Nell Harrell PSYCHOLOGICAL STRESS AND BRAIN NOREPINEPHRINE LEVEL	
9 Neil Hartman AN INVESTIGATION OF THE INTERACTION BETWEEN PHAGE COAT PROTEIN AND PHAGE RNA	
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2 Cheng Chen FORMATION OF BILE PIGMENT FROM HEMOGLOBIN BY MACROPHAGES	
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2 Peter D'Eustachio RED PIGMENT OF AN ADENINE- DEFICIENT SACCHAROMYCES MUTANT	
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# E. Mahoney ATPASE AND 5'-NUCLEOTIDASE ACTIVITIES IN MOUSE PERITONEAL MACROPHAGES

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- R. Piccioni KINETIC CHARACTERIZATION OF INSOLUBLEIZED HEXOKINASE
- S. Rapoport SEXUAL DIFFERENCES IN BRAIN SEROTONIN AND PITUITARY-ADRENAL FUNCTION
- J.-D. Vassalli THYMIDINE KINASE ACTIVITY IN STIMULATED HUMAN LYMPHOCYTES

F.F. Wong THE INFLUENCE OF SOME CATIONS ON AN ADENOSINE TRIPHOSPHATASE FROM THE HUMAN ERYTHROCYTE