



# Rockefeller University records, Reports of Students

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# Table of Contents

---

Summary Information ..... 3

Scope and Contents ..... 3

Arrangement ..... 3

File Plan note ..... 4

Administrative Information ..... 4

Controlled Access Headings ..... 4

Physical Characteristics and Technical Requirements note ..... 5

Collection Inventory ..... 5

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## Summary Information

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<b>Repository:</b>	Rockefeller Archive Center
<b>Creator:</b>	Rockefeller University
<b>Creator:</b>	Acheson, N. H.
<b>Creator:</b>	Rockefeller Institute for Medical Research
<b>Title:</b>	Rockefeller University records, Reports of Students
<b>ID:</b>	FA904
<b>Date [inclusive]:</b>	1959-1972
<b>Physical Description:</b>	4 Box(es)
<b>Physical Description:</b>	4 boxes
<b>Language of the Material:</b>	English

### Preferred Citation note

Information regarding the Rockefeller Archive Center's preferred elements and forms of citation can be found at <http://www.rockarch.org/research/citations.php>

[^ Return to Table of Contents](#)

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## Scope and Contents

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

[^ Return to Table of Contents](#)

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## Arrangement

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Arranged by each year. Each volume indexed.

[^ Return to Table of Contents](#)

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## File Plan note

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Former Classification: I 470-1

[^ Return to Table of Contents](#)

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## Administrative Information

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### Publication Statement

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### Conditions Governing Access note

This collection is open for scholarly research.

[^ Return to Table of Contents](#)

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## Controlled Access Headings

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- 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
- Rockefeller University
- Acheson, N. H.
- Rockefeller Institute for Medical Research

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## Physical Characteristics and Technical Requirements note

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Materials requiring specialized equipment for access (film, audio, video, slides) may be closed to research dependent on availability of the applicable equipment

Brittle or damaged items, or materials otherwise in need of preservation care, may be closed to researchers at the discretion of the RAC Head of Archival Services/Head of Reference.

[^ Return to Table of Contents](#)

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## Collection Inventory

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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>35</sup> -COUPLED AZOPROTEIN ANTIGEN IN RABBIT SPLEEN	
4 Arthur H. Burr, Jr. AN AUTORADIOGRAPHIC STUDY ON THE UPTAKE OF S <sup>35</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 Gomas 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

Summer 1961

box 1

1 Robert B. Barlow Jr. INFRARED ANALYSIS OF  
KERATOSULFATE

2 William E. Bowers STUDIES ON THE TRYPSIN  
DIGESTION OF OVALBUMIN DENATURED BY HEAT  
AND UREA

3 Galeb E. Finch STUDIES ON THE  $\beta$ 3, D-  
GALACTOSIDASE INDUCIBLE STRAIN OF  
ESCHERICHIA COLI, K-12

4 J.D. Foch, Jr. PURIFICATION OF  $\beta$ -GALACTOSIDASE  
FROM E. COLI BY STARCH GEL ELECTROPHORESIS

5 Alexander Kessler AN ALBUMIN - FATTY ACID  
COMPLEX: HYDROLYSIS BY PEPSIN AND TRYPSIN

6 Steven W. Matthyse 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 RAT HEMOGLOBIN BY ABSORPTION SPECTROPHOTOMETRY

11 T. Tidwell EXTRACTION AND BASE DETERMINATION OF DROSOPHILA PSEUDOOBSCURA DEOXYRIBONUCLEIC ACID

1963-1964

box 2

Summer 1963

box 2

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

5 Bertil Hille CATION ACTIVATION OF AN ERYTHROCYTE GHOST ATPASE

6 David I. Hirsh EFFECTS OF SALMINE AND ACTINOMYCIN D ON THE THERMAL DENATURATION OF DEOXYRIBONUCLEIC ACID

7 C. Donald Knight EXPERIMENTS WITH PROCEDURES FOR PURIFICATION OF ENOLASE ENZYME FROM BAKERS' YEAST AND ITS ACTIVATION IN THE PRESENCE OF METAL IONS

8 John K. Marshall APPLICATION OF THE SOMOGYI-NELSON METHOD TO PP-L AND ITS DERIVATIVES



9 Sanford R. Simon SOME PROPERTIES OF IGUANA  
HEMOGLOBIN

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

Spring 1964

box 2

1 Nicholas H. Acheson THE TIME OF INHIBITION OF  
POLIO VIRUS RNA SYNTHESIS BY GUANIDINE

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

4 S. Cushman ATTEMPTED ISOLATION OF  
CHLOROPLASTS OR CHLOROPLAST FRAGMENTS  
FROM THE RED ALGA, PORPHYRIDIUM CRUENTUM

5 Lyndell Larsen DETERMINATION OF FATTY ACIDS IN  
CARTILAGE BY GAS-LIQUID CHROMATOGRAPHY

6 Kenneth D. Nadler ATTEMPTED STUDIES WITH A  
PSEUDOMONAS CYTOCHROME C.

Summer 1964

box 2

1 Robert S. Anthony MITOCHONDRIA, OXIDATIVE  
PHOSPHORYLATION, AND THE SUBMITOCHONDRIAL  
PARTICLES

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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6 Thomas Easton PRELIMINARY STUDY OF THE  
OCCURRENCE OF MALTOSE-CLEAVING ENZYMES IN  
ESCHERICHIA COLI AND SALMONELLA SPECIES

---

7 Bill Ensminger UBIQUINONE INTERACTION WITH  
INORGANIC PHOSPHATE

---

8 Dave Herron THE REACTION OF MITOMYCIN C WITH  
SALMON SPERM DNA

---

9 John G. Hildebrand STUDIES ON THE LIPIDS OF  
LACTOBACILLUS PLANTARUM

---

10 Lewis J. Kleinsmith ISOLATION AND PURIFICATION  
OF RIBONUCLEIC ACID POLYMERASE AND  
DEOXYRIBONUCLEIC ACID POLYMERASE FROM  
ESCHERICHIA COLI

---

11 Gretchen Knecht AN ATTEMPT TO LOCALIZE  
GLUTATHIONE WITHIN THE MITOTIC CELL

---

12 Fred Russell Kramer AN ATTEMPT TO CONDITION  
THE LUMINESCENT RESPONSE OF GONYAULAX

---

13 Andrea Leskes A STUDY OF THE ACTINOMYCIN D -  
DNA COMPLEX

---

14 Herbert E. Longenecker, Jr. THE SYNTHESIS AND  
PRELIMINARY PHARMACOLOGICAL INVESTIGATION  
OF A SERIES OF BIS-QUATERNARY AMMONIUM  
SALTS

---

15 Arnold Marglin THE EFFECTS OF IMIPRAMINE ON D-  
AMINO ACID OXIDASE

---

16 Ronald Millecchia THE EFFECTS OF METHYLENE  
BLUE ON THE ELECTRICAL PROPERTIES OF SINGLE  
BIMOLECULAR LIPID MEMBRANES

---

17 Barry W. Peterson THE EFFECT OF HEAVY METAL  
IONS UPON PPLO EXTRACT ESTERASE ACTIVITY

---

18 D. Max Snodderly, Jr. EXTRACTION OF VISUAL  
PIGMENTS

---

19 Mary R. Rifkin SEPARATION OF TRYPTIC PEPTIDES  
OF SEC HEMOGLOBIN

---

20 Martin Spencer THE EFFECT OF  
TRIODOTHYROACETIC 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

---

22 Edward F. Rossomando ISOLATION OF CRYSTALLINE  
PYROPHOSPHATASE: THE EFFECT OF STORAGE OF  
YEAST ON ACTIVITY

---

1965-1968	box 3
Summer 1965	box 3
1 Nora C. DeBrunner ISOLATION AND CHARACTERIZATION OF HISTONES FROM CALF THYMUS	
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	
4 Stanley Fowler DETERMINATION OF THE AVERAGE MOLECULAR WEIGHTS OF CHONDROITIN SULFATE A AND CHONDROITIN SULFATE C.	
5 Anne S. Gift STUDIES ON THE PURIFICATION AND RENATURATION OF TAKA-AMYLASE	
6 Paul David Gottlieb A PARTIAL PURIFICATION OF MILK LIPASE	
7 Robert E. Johnston THE EFFECT OF POTASIUM ROCINOLEATE ON THE RESPIRATION OF CRAB NERVE	
8 Carl Lundeen STUDIES ON THE DARK UPTAKE OF CARBON DIOXIDE BY ACETATE-ADAPTED CELLS OF CHLAMYDOMONAS REINHARDTII	
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	
Summer 1966	box 3
1 Andrew E. Balber RECENT EXCITEMENT AND LACK OF PROGRESS IN THE SEARCH FOR TRANSFER RNA-BOUND METHIONINE IN LYTECHINUS PICTUS EGG EXTRACTS	
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	
3 Byron Burlingham EFFECT OF FETAL AND ADULT SERUM FRACTIONS ON PRIMARY CULTURES	

4 Bruce A. Diner IDENTIFICATION OF A FUNGUS  
PIGMENT

5 Donald A. Elliott THYMIDINE INCORPORATION INTO  
DNA IN GROWING RATS WITH ALTERED NUTRITION

6 N. Fedoroff HISTONE ACETYLATION IN ISOLATED  
RAT LIVER NUCLEI

7 Craig Fields RNA DETERMINATION IN LIVING CELLS  
BY INTERFERENCE MICROSCOPY

8 Sally C. Householder ISOLATION AND ANALYSIS OF  
GANGLIOSIDES FROM A BOVINE BRAIN

9 L. Martin Jerry THE ISOLATION OF VASOPRESSIN  
FROM BOVINE NEUROHYPOPHYSEAL EXTRACT

10 Henry A. Lester THE ISOENZYME COMPONENTS OF  
HORSE RADISH PEROXIDASE

Summer 1967

box 3

1 Richard S. Bockman THE USE OF A FLUORESCENT  
PROBE TO STUDY THE CHANGE IN  
CONFORMATIONAL STATE OF BOVINE IgG

2 David E. Briles THREE EXTRACTION TECHNIQUES  
YIELDING CRUDE MEMBRANE-ANTIGEN EXTRACTS  
OF TEN BLOOD GROUP ANTIGENS IN CHICKENS

3 Carl D. Hopkins CHEMICAL, RATHER THAN  
BIOLOGICAL, ASSAYS FOR ACETYLCHOLINE IN  
BRAIN TISSUE

4 A. Ross Kiestner SOME CHEMICAL AND BIOLOGICAL  
PROPERTIES OF THE EGG-NEST FOAM OF THE FOAM-  
BUILDING FROG, ENGYSTOMOPS PUSTULOSUS

5 Edward E. Max A METHOD FOR DETERMINING THE  
ABSOLUTE STEREOCHEMISTRY OF GLUTAMATE  
DECARBOXYLASE

6 Cynthia Reed Nist AN ATTEMPT TO PURIFY THE  
MUTAROTATING ENZYME: 5.1.3.3 ALDOSE 1-  
EPIMERASE

Summer 1968

box 3

1 Efrain Charles Azmitia, Jr. EFFECT OF ACTH ON  
TRYPTOPHAN HYDROXYLASE

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

6 Evelyn Galland THE STABILITY OF THE MONOMER  
OF LIMULUS HEMOCYANIN IN ALKALINE SOLUTION

7 Marci Greenwood THE EFFECTS OF AGE ON INSULIN  
RESPONSE OF ISOLATED MOUSE CELLS

8 Nell Harrell PSYCHOLOGICAL STRESS AND BRAIN  
NOREPINEPHRINE LEVEL

9 Neil Hartman AN INVESTIGATION OF THE  
INTERACTION BETWEEN PHAGE COAT PROTEIN AND  
PHAGE RNA

10 Eric John Heyer THE EFFECT OF METHIONINE  
SULFOXIMINE ON GLUTAMINE, GLUTAMIC ACID  
AND GAMMA-AMINOBUTYRIC ACID LEVELS IN RAT  
BRAIN

1969-1972

box 4

1969

box 4

1 Carl F. Beyer, Jr. INTERACTION  
OF THE FLUORESCENT DYE 2-p-  
TOLUIDINONAPHTHALENE-6-SULFONATE WITH  
TYROCIDINE A.

2 Cheng Chen FORMATION OF BILE PIGMENT FROM  
HEMOGLOBIN BY MACROPHAGES

3 Michael W. Draper CHOLINE ACETYLASE LEVELS IN  
SELECTED AREAS OF RAT BRAIN

4 Owen R. Floody THE EFFECTS OF SEX STEROIDS ON  
BRAIN CATECHOLAMINE AND PROTEIN SYNTHESIS  
IN OVARIECTOMIZED RATS

5 Beverly Greenspan UPTAKE OF SULFATE, LEUCINE,  
AND THYMIDINE BY BOVINE NASAL CARTILAGE  
SLICES MAINTAINED IN VITRO

6 Gary R. Gunther THE TEMPERATURE AND  
CONFORMATIONAL DEPENDENCE OF THE  
MAGNETIC SUSCEPTIBILITY OF HEMERYTHRIN

7 Janet MacIver PROGRESS REPORT ON THE EFFECTS  
OF SUBLETHAL DOSES OF DDT ON HENS AND THEIR  
EGGS

8 Jeffrey R. Powell ISOELECTRIC FOCUSING OF  
LYSOSOMAL PROTEINS

9 James B. Rand INVESTIGATION OF THE LIPIDS OF  
NEUROSPORA CRASSA MUTANTS

10 Allen L. Thunberg ISOLATION OF TWO DISTINCT IMMUNOGLOBULINS OF RESTRICTED HETEROGENEITY FROM A RABBIT ANTISERUM	
1970	box 4
1 Wesley L. Cosand FRACTIONATION STUDIES ON PROTEIN-POLYSACCHARIDES	
2 Peter D'Eustachio RED PIGMENT OF AN ADENINE- DEFICIENT SACCHAROMYCES MUTANT	
3 Darcy B. Kelley UPTAKE AND BINDING OF LABELLED CORTICOSTERONE AND HYDROCORTISONE IN HAMSTER BRAINS	
4 Anthony S. Meyer STUDIES ON THE CARBAMYLATION OF PROTEINS BY UREA	
5 Abraham Snyder TOWARDS THE SYNTHESIS AND NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY OF POLY- $\beta$ -METHYL ASPARTATE	
1971 September 30	box 4
<b>Scope and Contents note</b>	
Project reports.	
2:00 Announcements	
2:15 G. Barany SYNTHESIS OF ATP-BINDING PEPTIDE	
2:35 D. Cheng SOME STUDIES ON HELA CELL CYTOPLASMIC MEMBRANES	
2:55 J. Coyne QUANTITATION OF XANTHINE DEHYDROGENASE ALLOZYMES IN MASS SAMPLES OF DROSOPHILA PSEUDOOBSCURA	
3:15 V. Enea GLUCAGON-INDUCED SYNTHESIS OF NUCLEAR ACIDIC PROTEINS	
3:35 G. Hoffman 5'-NUCLEOTIDASE ACTIVITY OF LYMPHOCYTES	
3:55 L. Possani BINDING STUDIES OF CHOLINERGIC SUBSTANCES TO ACETYLCHOLINE RECEPTOR	
4:15 L. Rubin PRELIMINARY STUDY OF SEROTONIN BINDING IN SPECIFIC AREAS OF THE RAT BRAIN	
4:35 J. Tauber STUDIES ON THE PROTEOGLYCAN OF RABBIT CORNEA	
1972	box 4

## Scope and Contents note

Project reports.

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J.S. Geronimo THE MAKING OF PEPTIDES

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D. Giulian HORMONE EFFECTS UPON 5  
HYDROXYTRYPTAMINE CONCENTRATIONS IN THE  
FORE-PLUS MIDBRAIN REGION OF THE NEONATAL  
RAT

---

C.C. Halpern SOME SUBCELLULAR-EFFECTS OF  
PHALLOIDIN

---

V. Iwanij NONIDENTICAL SUBUNITS OF  
RIBULOSE DIPHOSPHATE CARBOXYLASE FROM  
CHLAMYDOMONAS REINHARDI

---

N.E. Kagan TEMPERATURE INDUCED VARIATIONS  
IN THE CONCENTRATIONS OF ACIDIC NUCLEAR  
PROTEINS OF DUCK ERYTHROCYTES

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R.M. y Lopez THE MIGRATION OF MEMBRANE  
PHOSPHOLIPIDS IN RELATION TO SDS-  
POLYACRYLAMIDE GEL ELECTROPHORESIS OF  
MEMBRANE PROTEINS

---

E. Mahoney ATPASE AND 5'-NUCLEOTIDASE  
ACTIVITIES IN MOUSE PERITONEAL MACROPHAGES

---

S. Mojsov MODIFICATION OF THE IMIDAZOL RING OF  
HISTIDINE IN ANGIOTENSIN II

---

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

---