



# Rockefeller University records, Reports of Students

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## Summary Information

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<b>Repository:</b>	Rockefeller Archive Center
<b>Creator:</b>	Rockefeller University
<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>

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## Scope and Contents

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

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## Arrangement

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Arranged by each year. Each volume indexed.

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## File Plan note

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Former Classification: I 470-1

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## Administrative Information

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### Publication Statement

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### Conditions Governing Access note

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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

## 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>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  $\beta$ -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<sup>++</sup> 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<sup>++</sup>  
ABSORPTION AND RELEASE BY INTACT TISSUE AND  
SEROVAL 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
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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	
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

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  
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19 Mary R. Rifkin SEPARATION OF TRYPTIC PEPTIDES  
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20 Martin Spencer THE EFFECT OF  
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21 Phyllis Susan Romanoff PROTEIN SYNTHESIS IN THE  
RAT UTERUS: THE EFFECT OF ESTRADIOL-17 # ON  
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22 Edward F. Rossomando ISOLATION OF CRYSTALLINE  
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box 3

1 Nora C. DeBrunner ISOLATION AND  
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2 William R. Colquhoun SOME METHODS FOR  
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3 David Forman A STUDY OF A SUBSTANCE FROM  
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4 Stanley Fowler DETERMINATION OF THE AVERAGE  
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A AND CHONDROITIN SULFATE C.

5 Anne S. Gift STUDIES ON THE PURIFICATION AND  
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6 Paul David Gottlieb A PARTIAL PURIFICATION OF  
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7 Robert E. Johnston THE EFFECT OF POTASium  
ROCINOLEATE ON THE RESPIRATION OF CRAB  
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8 Carl Lundeen STUDIES ON THE DARK UPTAKE OF  
CARBON DIOXIDE BY ACETATE-ADAPTED CELLS OF  
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9 J.L. Mosser ON THE APPLICATION OF DISC  
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10 Robert Shapley UPTAKE AND ESTERIFICATION  
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1 Andrew E. Balber RECENT EXCITEMENT AND LACK  
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2 Samuel Balk DETERMINATION OF THE NATURE  
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AND ASSAY OF NEURAMINIDASE SUBSTRATE FOR  
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3 Byron Burlingham EFFECT OF FETAL AND ADULT  
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4 Bruce A. Diner IDENTIFICATION OF A FUNGUS  
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5 Donald A. Elliott THYMIDINE INCORPORATION INTO  
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6 N. Fedoroff HISTONE ACETYLATION IN ISOLATED  
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7 Craig Fields RNA DETERMINATION IN LIVING CELLS  
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8 Sally C. Householder ISOLATION AND ANALYSIS OF  
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9 L. Martin Jerry THE ISOLATION OF VASOPRESSIN  
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10 Henry A. Lester THE ISOENZYME COMPONENTS OF  
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1 Richard S. Bockman THE USE OF A FLUORESCENT  
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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  
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4 A. Ross Kiester SOME CHEMICAL AND BIOLOGICAL  
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5 Edward E. Max A METHOD FOR DETERMINING THE  
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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  
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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  
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5 Bernard W. Fulpius CHONDROMUCOPROTEIN  
EXTRACTION FROM UNCALCIFIED AND CALCIFIED  
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CHELATING (EDTA) REAGENT

6 Evelyn Galland THE STABILITY OF THE MONOMER  
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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  
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AND GAMMA-AMINOBUTYRIC ACID LEVELS IN RAT  
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1969-1972

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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	
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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	
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2:35 D. Cheng SOME STUDIES ON HELA CELL  
CYTOPLASMIC MEMBRANES

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2:55 J. Coyne QUANTITATION OF XANTHINE  
DEHYDROGENASE ALLOZYMES IN MASS SAMPLES  
OF DROSOPHILA PSEUDOOBSCURA

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3:15 V. Enea GLUCAGON-INDUCED SYNTHESIS OF  
NUCLEAR ACIDIC PROTEINS

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3:35 G. Hoffman 5'-NUCLEOTIDASE ACTIVITY OF  
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3:55 L. Possani BINDING STUDIES OF CHOLINERGIC  
SUBSTANCES TO ACETYLCHOLINE RECEPTOR

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4:15 L. Rubin PRELIMINARY STUDY OF SEROTONIN  
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4:35 J. Tauber STUDIES ON THE PROTEOGLYCAN OF  
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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

---

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

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

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

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R. Piccioni KINETIC CHARACTERIZATION OF  
INSOLUBLEIZED HEXOKINASE

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S. Rapoport SEXUAL DIFFERENCES IN BRAIN  
SEROTONIN AND PITUITARY-ADRENAL FUNCTION

---

J.-D. Vassalli THYMIDINE KINASE ACTIVITY IN  
STIMULATED HUMAN LYMPHOCYTES

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