



Rockefeller University records, Reports of Students

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Summary Information

Repository:	Rockefeller Archive Center
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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 ³² P LABELED INORGANIC PYROPHOSPHATE AND ATP IN BACILLUS BREVIS EXTRACTS	
3 Barry R. Bloom ON THE INTRACELLULAR LOCALIZATION OF AN S ³⁵ -COUPLED AZOPROTEIN ANTIGEN IN RABBIT SPLEEN	
4 Arthur H. Burr, Jr. AN AUTORADIOGRAPHIC STUDY ON THE UPTAKE OF S ³⁵ 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 β -D-
GALACTOSIDASE INDUCIBLE STRAIN OF
ESCHERICHIA COLI, K-12

4 J.D. Foch, Jr. PURIFICATION OF β -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
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	
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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 PIGMENTS	
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	
22 Edward F. Rossomando ISOLATION OF CRYSTALLINE PYROPHOSPHATASE: THE EFFECT OF STORAGE OF YEAST ON ACTIVITY	
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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
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8 Carl Lundeen STUDIES ON THE DARK UPTAKE OF
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9 J.L. Mosser ON THE APPLICATION OF DISC
ELECTROPHORESIS TO THE ISOLATION OF A
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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
AND LOCATION OF MYXOVIRUS NEURAMINIDASE -
REVIEW OF THE LITERATURE ON NEURAMINIDASES
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
GANGLIOSIDES FROM A BOVINE BRAIN

9 L. Martin Jerry THE ISOLATION OF VASOPRESSIN
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10 Henry A. Lester THE ISOENZYME COMPONENTS OF
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Summer 1967

box 3

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
BRAIN TISSUE

4 A. Ross Kiester SOME CHEMICAL AND BIOLOGICAL
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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

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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
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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
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
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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 CARBAMYLATON OF PROTEINS BY UREA	
5 Abraham Snyder TOWARDS THE SYNTHESIS AND NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY OF POLY- β -METHYL ASPARTATE	
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Scope and Contents note

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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
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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.

J.S. Geronimo THE MAKING OF PEPTIDES

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

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
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