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19. 5. 61.	Dr. S. Aaronson	Haskins Laboratories,
19. 5. 61.	Dr. Erika Hagek	Institut für allgemeine Botanik
19. 5. 61.	Dipl. Ing. Dr. tech. Hans Freytag, (Dresden)	Leit Leiter des Spezialforschungslabor E
19. 5. 61.	Dr. H. K. Salzberg,	The Borden Chemical Company,
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19. 5. 61.	Dipl. Biol. Günther H. Burger	Technische Hochschule Dresden,
17. 5. 61.	Dr. Marshall J. Orloff, M.D.	University of Colorado, Medical
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20. 7. 61.	M. Derechin, M.D.	The Lister Institute,
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20. 7. 61.	Leon Freeman	Riker Laboratories, Inc.,
20. 7. 61.	Dr. H. M. Müller.	{ Institute of Botany, FREIBURG I. BR { (Germany)
20. 7. 61.	Dr. Kurt Mayer.	Eidgenössische, Ver Vein- und Gartenbau
20. 7. 1961	Dr. R. H. Henderson	Lab. Administrator, Adolph Burbank, California,
20. 7. 1961.	Dr. Kent K. Steward.	Oceanographic Institute, Gallahassie, Florida
20. 7. 1961	Prof. J. Close.	Chimie Organique Soc Congo Belge, Et (Belgisch Congo Belge)

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Date of Dispatch	Name	Address
20-7-1961	Prof. Kazuyoshi Nishigami	Biological Institute, Shimane
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19.5.61	Dr. Olav Sandvik	Department of Microbiology and Hygiene, The Uni. College of Norway, Oslo.	Enzymologia, 20, 327-35 (1959)
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6-10-61	Dr. Harry Sobel	Saint Joseph Hospital 501, Burbank, California.	Indian J. Appl. Chem. 23, 131-4 (1960)
6-10-61	Peter Atman ASSMUS	Medizinische Akademie der Hygiene - Institut Dyes	Zentralbl. 7. Bakteriologie II 113, 215-218 (1960)
6-10-61	Leon Freeman	Riker Laboratories, Inc. Northridge, California.	Enzymologia 21, 145-54 1959.
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98- 6-10-61	Dr. Kurt Mayer	Eidgenössische, Versuchsanstalt für Obstbau und Gartenbau, Wädenswil (Schweiz)	Zentr'bl. Bakt. ... Hyg. 114, 2, p. 156-183, 1961)
6-10-61	Dr. med. habil. H. Osterstag	Gorch - Fock - Wall 15 1/2 Hamburg-30.	Zentralblatt für Bakt. etc. II abt., Bd. 113, Heft 6/10 S. 215-218.
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6-10-61	Giovanni Ferrari	Istituto di Chimica Ed Università Degli Studi, Padova - Via Gradonigo 6, (Italy)	Indian J. Appl. Chem. 23 131 (1960)
6-10-61	Dr. Th. A. J. Payens	Netherlands Institute for Dairy Research, Post Office - lands. "Nederlands Instituut voor Zuivelonderzoek."	Enzymologie 21 (1959) 145-114-13-17 18 (1957) 288-29 20 (1959) 327-33

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6-10-61	Prof. J. R. Brunner <small>(Professor)</small>	Department of Food University, East	Enzymologia 20
6-10-61	Prof. Dr. H. Precht,	Kiel, Zoolog. Inst. privat	17-20 (1958)
22/5/62	Dr. Toshiharu Shinjo	Dept. of Bact., Division of Veterinary Bunkyo-Ku, Tokyo, Japan.	Enzymologia.
"	Dr. James F. Corwin, The Marine Laboratory,	The Marine Laboratory,	Enzymologia, 21, 265-375 (1958)
"	Joseph T. Holden,	Dept. of Biochemistry, Medical Res. center, Duarte, California,	Japan. J. Microb., 4(1), 43-51, 60 Indian J. Appl. Chem. 22(2), 68-71, 51.
"	Dr. Norberto J. Palleroni,	Director, Universidad Nacional Agrarias, Laboratorio de Mendoza, Argentina.	Proc. Natl. Acad. Sci. India, Sect A 26, 154-62 (1957)
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"	Dr. A. P. Joshi, Ph.D.,	1/c. Biochem. Div.; L. Light & Co. Ltd., Bucks, England.	Zhurn. Obshch. Khim., 31, 3017. (1961) Natur, 173, 1141 (1954)
"	Dr. Lean Adrian	Ministere de L'education Nat- ionale Recherche 1, Place A. Briand - Bellevue	Compt. Rend. 240, 246 (1955) Photosynthesis using N ₂ fix.
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Date	Name	Address	Reference
22/8/62	Dr. Eugene D. Day,	Biochemistry Research, Roswell Park Memorial Institute, 666 Elm Street, Buffalo 3, New York	Photosynthesis of Amino acids.
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22/8/62	Dr. H.K. Salzberg,	Sales & Develop. Lab., Borden Chemical Company, 14, Johnson St., Bainbridge, New York	Enzymologia.
22/8/62	Dr. Micha Thamer,	Dept. Biochem. & Nutrition, Graduate School of Public Health, Uni. of Pittsburgh, Pittsburgh - 13, Pennsylvania	Zhur, Dok. Kim. 31, 3, 17 (1961)
"	Dr. J. Kovacs	St. John's Uni., Chem. Dept., Jamaica - 32, N.Y.	Proc. Natl. Acad. Sci, India, 23A, Pt 1, 21 (1954)
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"	Dr. F. Jungnickel	Inst. f. Allgem. Botanik der Friedrich-Schiller-Universität, Jena / Germany.	Cent. f. Bakt. II Abt. 114, 156- (1961)
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"	Dr. C. Ponnamperna	Exo. Birlog Div. National Aeronautics & Space Administration Ames Res. Center, Moffett R Field, California	Peptides.
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"	H.K. Salzberg	Borden Chemical Co. Sales & Develop. Lab., H. Johnson Street, Bainbridge, New York	" " " " }
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Peter H. W. Assmus Peter ABmus Arzt. Dresden A.16 Hirnforschungsinstitut der Karl-Neurochemische Abteilung Leipzig

A. Krause. Zbl. Bakteriol., Parasitenkunde

Norberto J. Palleroni Universidad Nacional De Cuyo Facultad de Ciencias Agrarias, Laboratorio de Fermentaciones, Chacras de Coria, Mendoza, Argentina.

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Kessler Y CIA SRI Buenos Aires.

Pottsbuigh 13. Pa 668 Elm Street.

of Veterinary Sci. of Tokyo. Japan.

college, London.

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Research Institute Duarte, California

Güntzstrasse 32.

Merx-Universität

0.39 Chemnitz Strasse 50

Infektionstrankw.

Cuyo

Agrarias,

Chacras de Coria,

Mendoza,

Argentina,

Enzymologia 21. 145-54 (1958)

J. Sci. Industrial Res. 21B 336 (1962)

Nature.

Japan. J. Microb. 4 (1). 43-51, 60

Indian. J. Appl. Chem. 22 (2) 68-71, 51

J. Sci. Ind. Res. (1962). 21, 336

J. Sci. Industr. Res. 21, B. 336.

Japan. J. Microb., 243 (1960)

Formation of 2,3 Butanediol.

Indian J. Appl. Chem. 23, 131, 1960.

Hyg. II, 112, 34, 1959. To Dr. H.C. Verma

Arch. Mikrobiol. 33, 49 (1959)

J. Sci. Ind. Res. Vol 21B, No 7. 336-337 (1962)

98-98-

Fra's Rf. values of amino acids

Or	0.25	0.25	0.26	.23
Ly	0.30	0.30	0.30	.28
Hi	0.32	0.32	0.32	0.31
Ar	0.35	0.35	0.35	0.35
Asparagine	0.34	0.34	0.34	0.34
Asp.	0.42	0.42	0.42	0.42
Se	0.43	0.43	0.43	0.43
Gly	0.45	0.45	0.43	0.46
Al	0.49	0.49	0.49	0.50
Glu	0.53	0.53	0.53	0.53
Thre	0.54	0.54	0.54	0.54
Pro	0.55	0.55	0.55	0.52
Tyro.	0.56	0.56	0.57	0.58
V	0.64	0.64	0.65	0.67
Trypto.	0.66	0.66	0.65	0.67
Methio.	0.65	0.65	0.65	0.67
Phal.	0.75	0.75	0.75	0.74
Le	0.77	0.77	0.77	0.77
Iso leu	0.77	0.77	0.77	0.77

Raj News No-9.
 New Katra
 Allahabad 2
 30.4.61

My Dear Dr Bahadur

Herewith your
~~1st~~ second instalment of corrected
 answerbooks. The changes I have made
 are noted below. Kindly keep them in
 view in further correction.

Thanking you

Yours truly
 J. D. Newer

Changes

Roll Nos.	original marks	changed marks
26329	$15\frac{1}{2} = 16$	17
26330	9	10
26331	$22\frac{1}{2} = 23$	21
26332	$17\frac{1}{2} = 18$	18
26334	18	19
26335	6	5
26336	7	5
26337	17	14
26338	20	20
26339	15	15

1. Santamaria ✓
 2. Munkit ✓
 3. Opari ✓
 4. R. Miller ✓
 5. Beskorodov ✓
 6. Nusley ✓
 7. Cro ✓
 8. Cechongolo ✓
 9. O. Goncalves ✓
 10. Fox S.W. ✓
 11. Cone ✓
 12. Robert ✓
 13. Jacob ✓
 14. Sunka ✓
 15. Merzer ✓
 16. Regar ✓
 17. Phino ✓
 18. Gray J.L. ✓
 19. Vira ✓
 20. Eichinger ✓
 21. Hessian.
 22. Savory.
 23. Gunders.
 24. Subramanyam,
 25. ~~Sub~~
 26. Norris.
 27. Crispin
 28. Kirschenbaum.

29. Gunders ✓
 Dr. Leslie Brown,

Dr. R.C. Smith
 Natragn
 Lajja
 Indra Kumari
 Vishnu Chandra
 Dr. V.P. Gula
 (Madras).
 Vasanti K

Received the greetings for
 Bradlow S. Bruce ✓
 Bradley Andr. ✓
 Saunders ✓
 Rodney
 Nelson ✓
 Thomson ✓
 Murray ✓
 Ahmed ✓
 Jain
 Dells ✓
 Jankileke
 Hael ✓
 Wheatley ✓
 Leslie Farrer Brown ✓
 Neubauer ✓
 Therise ✓
 Moser ✓
 Phillips ✓

Received Greetings for
 Stevens
 Rodney
 Richdale
 Collics.
 Chochemov
 A Padari

The record of the
 New Years Greeting cards
 sent and received on 1962
 New Years day.
 Krishna Bahady
 16/1/62

These
 shall be
 included in
 next year list.
 16/1/62

Resigning
for
Do.

- | | |
|-------------------|----------------|
| 1. Baborsdor ✓ | 10. Bradlow ✓ |
| 2. Oro ✓ | 11. Bradley ✓ |
| 3. Cone - Adm.? | 12. Saunders ✓ |
| 4. Sinker ✓ | 13. Nelson ✓ |
| 5. Meizer ✓ | 14. Murray ✓ |
| 6. Rayzi Sinker ✓ | 15. Bells ✓ |
| 7. Vira ✓ | 16. Julie ✓ |
| 8. Crispin ✓ | 17. Stevens |
| 9. Kruschenbaum ✓ | |
| 18. Guntch. ✓ | |
| 19. Opuni ✓ | |
| 20. Leonide ✓ | |
| 21. Dockendorf. ✓ | |
| 22. Briggs. ✓ | |

On India Government Service only.

Initiate

Dr. Krishna Bahadur
Chemistry Department
University of Allahabad

Asstt. Registrar (Admn.)
University of Allahabad.

Ram Niwas
Sharma,

Blank ~~delivered~~
Hemary

21/5/64

Vinod -

Origin of life An. Oparin (1957) 20/6/64

Ajit - -

Symposium Report on origin of life - 1/9/64.

Indra
Saxena

Chemistry's methods of enzyme.

Biochemistry of F. Haerowitz

} 21/10/64

Indra
Saxena

Fieser + Fieser 'organic chem'
Review of Biochem - serial vol.

| 10/10/67

Ajit

How Life Began.

~~The Sun & its Family~~

Rockets + Missiles.

} 14/10/67

Sharma

Biochemical Methods of Analysis. - 26/3/65

Ajit Prasad
Saxena (Lal)

Inorganic & Theoretical Chem - 31/3/65.
Taylor

R.L. Srinivas

The chemistry of Natural Products - 10/4/65
Related to phenanthrene.

A.S. Panu

Crystalline enzyme.
Protein by Fox.

} - 18/5/65

Krishna Kumar

Repts of Norris papers. 4/6/63.

Adishwar

Parkington - 25/8/65

"

Mitogenetic Book -

"

Agarwal —

Lantano witch } Photosynthesis
Baly } 4 books
Santamania - Photodynamic activity
Lederer +
Lidner

4 books on
14/1/63.

|| Origin of life 18/1/63.

R.S. Pandey

Chromotography Lederer

5/7/63.

Saly Port's artist.

King of Paris.

1/7/63.

Shree Sarda Ram.

Hindu America.

14/7/63. — ?

Jeevan

द्विग फलसिद्धि

21/7/63

Arjun

Origin of life.

Jan '63.

R.S. Pande

Methods of Biochemical Analysis

3/8/63

Krishna Kishore

II vol.
Electronics for Eng. Today

15/8/63

K.M. Lal. Aggar

Record of Reforms in
Zoology

23/8/63

Dr. Das's Sm.

Microorganism & Fermentation.

9/12/63

organic chemistry of Dr. Tenar.

Dr. Krishna

A. J. Meez } Physical Chemistry
Glaston

Hanish

Industrial Fermentation.

(Under Kettle & Hickey).

Dr. Perti

Duplicate Daughter.

13/1/64

Jeevan Lal

The Boy's Book of Medical Science

8/2/64

Arav Narani.

Rice & Rice.

5/3/64.

Ajit

Origin of life

14/3/64

Mehar Singh

Saly Port's analysis

15/3/64

& study book

Indra

Mechanism of Enzyme Reaction
synopsis

23/3/64

Ajit

Methods of Biochemical Estimation

14/4/64

Pande

Text book of Biochemistry (Mitchell)

Origin of life Report

14/5/64.

Pande

3 Papers of Quantitative

1 " of Bhattacharya

16/5/64

16/11/61

Rajendra Bahadur

1. Origin of Life - Report of the Symposium

2. Gilman's II vol ✓

18/11/61

Prescott & Dunn

Anant Narain Malviya

19/1/62

Dr. Inorganic Nitrogen Metabolism

Krishna Kumar

11/1/62

2/3/62

Rajendra Bahadur ✓

"

Indian Sci. Cong. ~~at~~ ^{At} 1962.

Rajendra Bahadur ✓

18/2/62

- 1) Outline of amino acids
- 2) Photo dynamic action & carcinogenic action
- 3) Proteinist Aminocast
- 4. Royanis D. Phil. Thesis

Rajendra Bahadur ✓

" ✓

" ✓

" ✓

30/3/62

~~Hushar~~
Rat & Kern organic

Suresh Ch Gupta

29/3/62

Chemical analysis of organic (Green ink)

Rajendra Bahadur ✓

13/4/62

- 1. Bacterial Physiology
- 2. Text Book of Bacteriology

A.N. Malviya

14/4/62

Practical Bacteriology
Manual of Microbiology
Methods.

Krishna Kumar

14/4/62

Methods of ~~Dr.~~ Bacterial Analysis

Rajendra ✓

20.4.62

- 1. P.L. Soni
- 2. A.K. Dey

Suresh Gupta

20/4/62

Palmistry -

Atam Prakash

26/4/62

Determination of amino acids in food & proteins.

Rajendra Bahadur ✓

21/7/62

Bacterial Metabolism

Krishna Man. L. Aggarwal

25.7.62

Organic chemistry

Lal (ygan ani nite)

2/11/62

Biochemistry

Malviya

Period	Conc.	Time
29473 - 8 7	26339 - 15 15	
29474 - 22 21	26338 - 22 20	
29475 - 11 8	26337 - 18 17	14
29476 - 25 24	26336 - 7	5
29497 - 33 30	26335 - 6	5
29477 - 11 11	26334 - 19 18	19
29494 - 8 7	26332 - 18 17	18
29496 - 18 15	26331 - 23	21
29498 - 9 9	26330 - 10 9	10
	26329 - 16	17

Dr. J.D. Tennis

14073 — 12
 14081 — 17
 14096 — 07
 14101 — 21
 14106 — 05

26/8/61.

To investigate whether there is any the formula of one amino acids to some limit without there being any appreciable variation in the other amino acids or a few amino acids are found from simultaneously.

Period + Conc. for relation to be worked.

Take a bulk of milk, chromatographically separate the amino acids on the paper chromatogram (strip) and study the concentration.

- note
 amino:
- 1, hydrogen infra,
 - 2, Time lge.
 - 3, All other counts put together,
 4. Change of moles & phos in loges with ff. & time.

17/9/41

Fundame

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