ARSTRACTS

DEPARTMENT OF BIOCHEMISTRY

1. CLORAL BIOCHMITRY

 A BLOOD ANTICOMPELANT FACTOR FROM THE LATEX OF Carlos popupo-III. Im NATURE AND MODE OF ACTION. N. C. Pillal, C. S. Valdpanathan and K. V. Gill, Proc. Indian Acad. Sci., 1956, 40, 46.

A detailed investigation on the mode of action of the anticoughtant factor and its reactions with indeacentar has been made. The drag has been found to act both as an arrigorhoombin and an anti-thrombin, the latter activity being more meancould.

2. Cytocenatics

 YARKETONS IN THE STRUCTURE OF THE NUCLEUE IN LIVING YEART. Miss Structure Royan, Proc. Indian Acad. Sci., 1956, 44 R, 47-55.

The studens could be observed in the firing cells from 56-130 for entires of a static of *Saculareneyros* reporting. It could be followed up dening the processes of *Sacion*, Jockshin, stating model by the scattering reactions It is identical with the statical caucha dening the scattering reactions plane constrainterprintly these is no uniformity in the sechitettee of the reacting plane cauchy scattering the is no uniformity in the sechitettee of the reacting the scattering scattering the scattering scattering the scattering the scattering scattering the scattering scatte

 STRUCTURE REVEALD BY DARK GROUPD ILLUMENTION IN LIVING YEART. Mits Surgewerky Royan, Proc. Indian Acad. Sci., 1995, 4418, 171-176.

Observations under dark ground illumination supplement those made with the phase contrast microscope. When the surfaces is visible is a non-buddleg out, has vacuod and the aucheas are delimited from welds other by well formal membranes. Considerable variation in its structure is exhibited by the sucleus in ordin of a population.

 RELATION DETWIEN THE NUCLEUS AND THE VACUULE IN YEAST. Mini Surgrouphs Roman, Corv. Sci., 1936, 25, 397-58.

On atimulation of cells with visible model by froth media the cytoplasm encreaches into the original vaccolar space. The nucleus is therefore an etrap vacable mattern. There is no orderion between the vaccolar and the nucleus

 PREMIMURA PRESSURE SPORTATION IN Schlassachuramyter octoparas, Miss Sarawathy Royan, Proc. Indian Acad. Sci., 1956, 44, 311–35.

Schoesevherseyers compare speculates is both solid and liquid media. The morphological charges that periods speculation show considerable variation. Rare instances of the dissolution of the septem separating two origin-at a

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prelade probably to conjugation are illustrated. The origin of orth within a red during speculation is a possible example of differentiation-in-time.

 Some Omnerversion on the Living Calls or Service-require and herpening most Departments of the Asian Science with Plass Contrasts and Data Gaussia Living Contrast, N. Thympirijan, Proc. Indian Acad. Sol., 1956, 448, 278–88.

The angiotry of the cells in a population are non-badding, resentence and angiotry and the sentence of particults. The version cell types are fournable (hyperand). The methodosobility conditions are reach of supplies of 2, and and particultures. The version for each of them thermations using the particul hypersense. The version is included of them thermations using and the particul hypersense. The version is not particular to the particul and the particul hypersense. The version is not particular to the particul and in present particular to their target substantian. It appears as a humogroups hour statement outside the version.

 The STRUCTURE OF THE NUCLEUR IN SECONDARYOUT AND SPEED T B Transmission and M. S. Subramanian, Naturesci, 1957, 44 (6),00

In 5-30% of exh from 360-48 hr, wert enhances the modest is clearly visible. A welf-formed mediar membrane encloses formed structures inside and delinits the nucleus form the cytophene is well in the variant. The presence of a modest membrane seables a clear distinction of the structures lying inside and eachild the random.

3. ELECTROPHONENER

 Adam Electroproperties or Henorecomes. K. V. Giri and N. C. Pillal, Chev. Sci., 1956, 28, 188.

The technique of agar electrophonesis has been successfully applied to detect the sickling test in the humans. The presence of two hemoglobins is chicken has also been observed evolving the same method.

 MULTIPLE HAMOGLOBINS IN THE BLOOD OF ANIMALE. K. V. Ciri and N. C. Fillal, Nature, 1958, 178, 1657.

The humaglobies of different animal species have been examined electrophoretically and the builds blood was found so accurate two humaglobies occurring in different concentrations. Rue tolood, in addition to the humaglobies have indicated the presence of two mere protein bands having an electrophanelic multility similer to that of -badouin.

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 GLUTINEE ACID DECARDERLASE IN Mindrovals physics. P. R. Krishnesmany and K. Y. Giri, Biscisse, J., 1956, 62, 301.

Glatanic acid deserboryine has been detected in a yeast. Abadescrift platiets, and its properties were studied. Deserboxylation was quantitative all

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pH 4-5 and 30°. The Michailis constant was 2-15 × 10⁻⁹ M. Pyridonal phosphate nutcered the autivity last on dialysis and revenued the inhibition due to holocological

5 FOOD AND NUTRITION

 VITAMIN A₆ IN ISDAN FAIDS-WATER FIRE LIVER OLD. S. Bahaunduran, H. R. Cana, P. R. Sandersan and T. N. R. Varma, *Muchem. J.*, 1996, 44 190.

The analysis of lactiss framework field here risk for the vitamises A_1 and A_2 man sportpatheoustriality starting out. Some species of both-wester fields, Catalowson khomedness, Ophonepisatis artistar and Walkup and the shiped analysis of vitamic A_2 in the first of its and walkup and the shiped analysis of the shift of the set of the set field and the shiped analysis of the showth that "shiped analysis of the showth of the set of the set of the set field and the shiped analysis of the showth that "shift of the set of the set

 Secrementonemic Demonstration of Viranus A in Issues: Makeum Print Livin Opt. 5. Ballossedarius, H. R. Carne, P. R. Sendarman and T. N. R. Verma, J. Sci. Med. Soc., 1950, 155 (2).

High and low porcessy loding marine fish liver oils were analysed for their visuals A_c, visuals A_a, and nervilaris A non-lensih. They contained on an average about 25% period when have the deviat the A_c.

6. SARTATION BOORMETER

 PREVANTON OF ION EXCLUSION MATERIALS FROM SOME DEGASEC WARREN FOR USE IN THE TRADUCTOR CONTAIN WARREN-L. EPICEROCY OF THE MATERIALS AN EXCLUSION C. C. ALMOSTRAN, P. Y. R. SUS-INDUSTRIES AND C. FEILL J. Advent. New 1996 1 75-10.

Materials possessing ion exchange properties were prepared flass organic sastes, such as ion wards, juite wards, machant, baganas, our fiber, greendent which, poddy hank and paper wards, by sakable treemeers with subparts call and solians indicide. Quantization observations on the efficiency of the analysement embods is reasoning exteriors from 0.152 calcular theirds areas and

 Patroaction or low formout Matterials rease Sour Dispace Warms ron. Using the Testimeter or Contrast Warms-11. Environmer on the Matterials in Networks Taconer prior Warms. C. Amerikanist Sairby, P. V. R. Salmshmergen and S. C. Pillal, J. Aukaw. Dep. 1997, 1, 78–99.

The carbons prepared from some of the wate watesish were treated with shars, and then they were examined for their efficiency in removing theories from tap water to which a known amount of acdium theories was added. The possible efficiency of the states of the treatment of theories because a source of the efficience source is instrumed.

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15. Across or PLOORNE ON THE THETH IN RATE. S. C. Pillei and T. K. Windhanel, Survival & Hed. News, 1957, 3, 5-12.

The effect of integrational injection of function on the terch is real and the state of and administration indegration with water and doil of a starting encourage of theories and an adopting in administration were staffed. The observation indicated that theories had a k and an an systemic action on the invisor. The disappearance of the symptoms of metility ensated in the task, we dramg the starting of the symptoms of metility ensated in the task, we dramg theory and the systemic of the invisors.

 SELP-PUBLICATION OF STRAGG-POLLUTED WATERS. S. C. Fillel, G. J. Moharmon and C. Anandermara Satty, J. Julian Med. Profession, 1957, 3, 1513–28.

The identices that has accumulated on the subject during the last handned years in reviewed and betch evidence on the process of sufficient is presented. The wears work on the natural particution of forwing several of Henglone is considered particularly workit in understanding the mechanism of sufficient on of everymentified waters.

 ECTERT OF REMOVAL OF ANEXO ACTER PROF. DOMEST DURING TRANSPORT of DEPENDENT MITMODE. C. Anasteleiners Staty, P. V. R. Subrahmanpan, N. V. Raja and S. C. Pilla, Carv. Sci. (197), 26, 53–54.

The awiss acid composition of the efficient force the following systems of wears transmiss was statistic superior task; cherical carifornion; mechanical and biological fifters containing fibring materials of different inter; the atikular didap process; and a maxil arways channels at Bangelene. While the efficient flow the activities laking process and frem natural particulates of flowing by ancessit of walks acids, the data efficient efficient of an atikular and a static acids.

 THEODOLT AND UTILITATION OF WARTE WARTES FROM COPTON TEXTER MILLE, R. Rajagopalan and S. C. Pillai, J. Andero, Eug., 1996, 1, 39–41.

The results of studies on the action of the highly alkalize waste liquid on hown pipes used for energing the liquid, its por-transment with chemicals prior to birlogical transment along with domesite sewage and on the utilization of the transme material with sewage for every reduction are beinfty described.

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