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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927730012-0 MINISTER DE MERINA D KURSAKOV, Safon Fedorovich; PEVNER, N.I., spetared.; KUZNETSOV, P.V., red.; PONOMAREVA, A.A., tekhn.red. [Organization and planning of inventions and rationalization work in enterprises] Organizateiia i planirovanie izobretatel'skoi i ratsionalizat, 1960. 95 p. Moskva, Gosplanizdat, 1960. 95 p. (Inventions) tel'skoi i ratsionalizatorskoi raboty na predpriiatiiakh. (HIRA 14:2) (Technological innovations)

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GEL'FGAT, Samuil Naumovich; KURSAKOV, S.F., ekon., retsenzent; TROITSKIY, P.A., ekon, red.; ANTIPOV, V.P., ied. izd-va; SMIRNOVA, G.V., tekhn. red.

[Production costs of a machinery manufacturing enterprise] Sebestoimost' produktsii mashinostroitel'nogo predpriiatiia. Moskva, Gos. nauchno-tekin, izd-vo mashinostroit. lit-ry, 1961. 126 p. (MIRA 14:8)

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(Machinery industry-Costs)

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Experience in the organization of a reference collection at enterprices of the Next Frai Roomemic Gen. 11. NTI no.12:35 464. (MIRA 18:3) 1. Nachalinik otdela sprevenhe-: Formataioneego fonda Zapadno-Frai'skego seveta narcanego khongayatva.

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KURSAKOVA, A.D.; SHARTS, A.K.

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Participation of the Central Science and Technology Library of the Western Urals Economic Council in building a reference collection. NTI nc.7:10-11 464. (MIRA 17:11)

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3(?) Auteors :	Kursakova, I. V., Shcherbakova, L. N. SOV/6-59-6-5/22
FITLE:	Brigades of Communist Work in the NRKCh (Brigady kommunisticheskogo truda 7 NRKCh)
PERIODICALS	Geodesiga i kartografiys, 1959; Nr 6; pp 24-27 (USSR)
ABSTRACT; Card 1/2	6 trigadas in the NRKCh are fighting at present for the right of calling themselves Brigades of Communiat Work. The first brigade was constituted at the Department for the Delineation of Maps on a suggestion by Tamara Yegorova. Her brigade con- sists of: Nina Gladyshava, Galya Dikera, Tinya Droynykh, Lyuaya Friandofilova and Galya Popurskaya and 5 more. Next participants in the competition were the brigades of the School Map Department: of V. F. Smagins and V. A. Alekseyeva. The former includes L. M. Timashava, Z. F. Antectva, Nadya Guetkova, the latter V. S. Tereshkova and A. A. Nilolayeva. The charting editors of the two brigades are: N. A. Lebzova, A. V. Kravchenko, L. N. Kolosova, L. A. Begdanova. Besides, two photographer brigades of 2 man each - V. F. Stepanov and V. P. Solovtsovskiy, and Yo. A. Fomkin and V. P. Medvedchuk are taking part. The 6th trigade is a group of members of the
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	Communist Work in the NRKCh	S0V/6-59-6-5/22
	Komsomol. All members of the Alekse English, and some members of the Ye at the Department of Geography of t	yeva Brigade are learning
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LESYUK, Ye.A., kand. sel'khoz. nauk, nauchn. sotr.; KATSURA, O.P., kand. sel'khoz. nauk, nauchn. sotr.; KURSAKOVA, L.Ye., nauchn. sotr.; SMIRNOV, A G., nauchn. sotr.; KUZ'MIN, A.Ya., kand. sel'khoz. nauk, nauchn. sotr.; FEDOROVA, Yu.A., red.

> [Key for the identification of fruit and berry varieties: manual of certification] Opredelitel; sortov plodovoiagodnykh kul'tur; rukovodstvo po aprobatsii. Moskua, Rossel'khozizdat, 1965. 150 p. (MIRA 18:7)

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1. ROZANOV, L. N. : CHERVINSKAYA, M. V. : KURSAKOVA, Z. N. : MAZYUK, V. V.

2. USSE (600)

ST. MARCHINE STREET

- 4. Buguruslan District Geology
- 7. Reinterpretation and dissemination of the electric geophysical exploration materials of 1936 1943 and their coordination with the data_of the geological prospecting activities in the Buguruslan petroleum district. <u>/Abstract</u>/ Izv. Glav. upr. geol. fon. no. 3 : 1947.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

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				n Maria I Decembra de Calendar de C		
AUTHOR :	Kursakova,	Z. N.		3/1 69/63/000/002 0263/0307	2/112/127	
TITLE:	On the appl tical elect geological	ication of J ric sounding structure of	lectric (VES) m the Ukr	prospecting t ethod in the ainian crysta	by the ver study of	r- the
PERIODICAL	Referativny	W Thuman A	eofizika	, no. 2, 1963		
vimetric ex basic and u of Ni, chron sent a mult is rather d	tric prospec er brown coa was then par ploration) s ltrabasic roc mites, and o ilayered geog	ting by the V l basin, to d t of combined tudies carrie thes, since wi ther useful m electric sect	/ES metho liscover l geophyse d out to th these inerals. ion, and	od was first coal-bearing bical (magnet) find the in e are associa The VES curv their inter on of high re ian rocks, bu	depres- ic and gr trusions ted depos ves repre	of its
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AUTHOR:	Kursakova, 2. N.	3/16://63/000/002/112/127 D263/D307
TITLE:	On the application of el- tical electric sounding geological structure of	estric prospecting by the ver- (VES) method in the study of the the Ukrainian crystalline massif
PER IODICAL:	Referativnyy zhurnal Co.	ofizika, no. 2, 1963, 30, ab-
sions, and vimetric ex basic and u of Ni, chron sent a mult is rather d	was then part of combined ploration) studies carried ltrabasic rocks, since wit mites, and other useful mi ilayered geoelectric secti- ifficult The main of the section	ES method was first carried out iscover coal-bearing depres- geophysical (magnetic and gra- l out to find the intrusions of th these are associated deposits nerals. The VES curves repre- on, and their interpretation c horizon of high resistance e-Cambrian rocks, but the pre-
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On the application of ...

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Sence of a zone of erosion of crystalline rocks with its water causes the absence of a sharp electric boundary. The upper part of the section, corresponding to the sedimentary Tertiary and Quaternary deposits, is denoted by the inconstancy of the parameters of individual electric horizons. Screening horizons are observed in some cases. Surface topography also exerts a major interfering effect on the VES curves. In spite of limited possibilities of quantitative interpretation of VES curves, the work carried out supports the validity of applying electric prospecting by VES, in pre-Cambrian rocks. In processing the data, of greatest interest was the construction of apparent resistance sections down the VES profiles, and of curves of the total longitudinal conductivity. / Abstracter's note: Complete translation. /

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The reversible action of ferments in living plant calls. Moskva, Izd-vo Akademii nauk SSSR, 1940. 232 p.

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**4* • Constant of the Property States of the second states of the secon Contraction of the C A 12 Transformations of various forms of tannins during treat-ment of the tea leaf. A. L. Kursanov. Biokhimnys (kala-of Proiredistic Shernik No. 3, 1117-117 English summary 11(0) (1940).—During conversion of the tea leaf into its final com-form of black tea, sol.-tannin content declines considerally. Torm of black tea, sol.-tannin content declines to a factor of di-tea body and the sole are not decreased significantly. The most significant change occurs during the fermentation is condensed to form the insol. fraction (polyphenol-catechols) is condensed to form the insol. tannins, which in the course of further enzymic action (oxistative) exhibit a tanning ar-ticin-tannin competent The next-relive exhibits a tanning ar-ticin-tannin competent and are composed of pyrocatechol and phloro-ticin-tannin curve and are composed of pyrocatechol and phloro-tiouring units. C. M. Konolapoff A STATE OF A DESCRIPTION OF A DESCRIPTIO LEADER OF STREET, STREE 2.5

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927730012-0 ٠. . . 6 ٠ . 2 , ٠ • • • IJ 0 ₩ D M . ٠ ÷ 12 . The physiological role of adsorption of enzymes by living plant tissues. A. L. Kur Anov, E. Isalva, and Y. Topatenko (Bach Biochem, Inve, Murowy), *Mar-*Hasing their views on vari Hoff's rule alwait the reversi-to synthetic functions in the cells to the enzymes when even the physiological role of the traverse of the synthetic terms of the hydrolytic enzymes manifest their synthetic enzymes hydrolysis. However, it had been noticed that in equipment of the physiological synthesis assigned to synthetic functions in the cells to the enzymes when equipment of the hydrolytic enzymes manifest their synthe-rate by role of the synthesis of a synthesis of the enzymes of hydrolytic enzymes manifest their synthesis thetic activity. This is due to the large excess of water, functions. Oparin (C.A. 31, 8007) suggested that in the adversed on that lipide-protein structure of protoplass which is low in water. In this investigation a study was which is low in water. In this investigation a study was which is low in water. In this investigation a study muse wintative of the hydrolytic enzymes) when also ided on the furning illumination, a strong adsorption of invertace far typinal repre-tive by a lively synthesis of sucrose. In darkness, the heaves of *Polamogenos* and the root of the sugar beet winted hy a lively synthesis of sucrose. In darkness, the heaves of the hydrolytic enzymes of the root of the sugar beet when have the highest also being power are the rivers can be when have the highest also being power are the rivers in the hanged at will by using ethyl ether in various conces. H Triestley H CL ID 8 . 01-ID • • . -------še e -NETALLUGIÇAL LITERATORE CLASSIFICATION - • ŭ 🌒 🤰 3 . . T N () 'n 17 a 4 --n ñ 800 的复数形式 化二氟基乙酸 化二氟基乙酸 122=11423 23

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URGANGV, A. L.	PA 64T24	
	 USSR/Chemistry - Gallic Acid Jan/Feb 1948 Chemistry - Tea, Tannins in "Gallic Acid in Composition With Tea Tannin," A. L. Kursanov, K. M. Dzhemukhadze, Inst of Biochem imeni A. N. Bakh, Acad Sci USSR, Moscow, 5 pp "Biokhim" Vol XIII, Nol - γρ-61-5 Show that free and ester-bonded gallic acid is present in the leaves of all tea family shrubs grown in Georgia. Tests to determine the comparative amounts of free and compounded gallic acid present in green leaves, and the black tea obtained from these green leaves. Submitted 11 Jun 1947. 	1
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111) CA Adsorbing properties of protoplasm as a factor which determines motion of nitrogenous matter in the plant A. L. Kursanov and M. N. Zaprometov (Inst. Biokhun, im. A. N. Bakha, Akait. Nauk. S.S.R.). Doklady, thad. Nauk S.S.R. 60, 80-92(1099); cf. C.A. 44, 1550c. Immersion of wheat stems in 0.5% glycine or asparagine solns, gives rapid increase of N in the upper segments of the cutting if the inorphologically lower end is immersel; the latter acquires little N per se and serves merely for transmission. If the direction of immersion is reversed, the innersed "upper" ends become rich in N, but the exposed "lower" ends show no or little N increase, or may even lose N. The results are confirmed by detn. of rela-tive adsorbing power of stem sections to aq. solns, of gly~v tive adsorbing power of stem sections to aq. solns. of gly-cine and asparagine, differing as much as 50%, with higher adsorption in upper stem portions (30-35 cm. length). This distribution holds to the beginning of wax ripeness. G. M. Kosolapoff and the second

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COLUMN AND ADDRESS PERSONAL PROPERTY 12 CA Synthesis of polyphenois in tea leaf. A. L. Kuranov and N. N. Kryukova. Biohhimiya Chalaece Preimeditus Monuk No. 6, 7-10(19(0)).-The results of previous work are summarized (30 references) as follows. Sugars are transformed in tea leaves into phenois substances, with in-termediate formation of m-inositol, which is always present in leaves in free and buond forms. The intermediate is synthesized from hexores that have the same encol as glu-cose, but other sugars cannot be thur utilized. Sucrose, glucose-1-phosphate, arbuin, and salicin are transformet into mositol at an even greater rate than free glucose, indicating a Mavorable action of the clucraide link in this avathesis in Bisthungs mostol at an even greater rate than free glucosic, indicating a flavorable action of the glucoside link in this synthesis, in-ducating that degradation to simple sugars is probably not the first step. Intermediates of carbohydrate metabolism, such as pyravic acid, show less rapid transformation into-inoditod or none at all. The insuitod while being synthe-stred is simultaneously converted oxidatively to polytheneds with so-locates HO groups (philorophicicol derive), which eventually lead to the tea tamins. The reverse process is not observed in the tea leaf. G. M. Kusolapoff (in posicipality in president and a many second provide the president and the second provided the president provides the president of the president provides the president provide 10-10 avril $< n \{0, 0\}$

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وللتركية فكالتناب والا 110 LA Tannins of various organs of the tea plant. A. L. Kur-snov and M. I. Brovchenko. *Biokhamyal Challwick*, pontrovishus, Newnik No. 6, 53 69(1959).—All parts of a tex-plant contains tannins, the highest content being found in young shools and the lowest in the flowers. Tannus from all organs contain catechols and esters of galle acid. The root contains largely condensation products of these sub-stances with mol. wt. over 1900, and little gallic acid (some (av. 370) and a high content of galle acid deriver, (16.0%), and other parts of the plant show intermediate distribution in all organs age leads to condensation of the low mol. wt. products. All organs of the tea plant contain curymic va-terus capable of oxidizing the stant matter (polyphenol-costics and peroxidase) as with as hydrolytic enzyme products. All organis of the plant. Young organs contain largo by polyphenolotudase, the older ones have a predom-nance of peroxidase. Hydrolytic enzymes are most active in the aging parts of the plant (stems, hark, and roots) and hast active in the younger parts – G. M. Kosolapoff . . . CONTRACTOR OF CONTRACTOR OF CONTRACT

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a en Bernalde (Bernalde Bernalde Bernalde Bernalde Bernalde Bernalde Bernalde Bernalde Bernalde Bernalde Bernal 134184 -KURSANOV, A. L. USSR/Medicine - Vitamins and prevents scurvy. It follows that tea catechins have strong $P(C_2)$ witamin activity per day, when added to the diet of guinea pigs, in-creases deposition of ascorbic acid in all organs hemorrhages in the lungs at lowered pressures is the most effective prepn. One mg of tea tannin the animals' capillaries; There is reduction of "Eiclogical Action of Tannin From Tea," A. L. Kursanov, V. I. Bukin, K. L. Povolotskaya, M. N. USSR/Medicine - Vitamins Isolated mixt of catechins and their gallic acid esters (I), also 1-epicatechin (II), from 1** 1 () mixt (III) similar to I from black tea. One mg of I, II, or III, injected intramuscularly into green leaves of Georgian tea. Isolated tannin (Also published in "Biokhimiya") Zaprometov 2 mice, increases considerably the strength of "Biokhim Chaynogo Proizvod" Vol VI, pp 170-180 (Contd) Oct 50 184 184 0ct 50 164 184 1-1 SPANSES AND A

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RJALCE AL Possibility of plants assimilating carbonates entering them from soil solutions. A. L. Kursanov, A. M. Enrin, and Yα. V. Mamul. Destady Akad. Nonk S.S. P. 79, 685-7(1051).—Plants are able to take up carbonates from nutrient solns, and to use these carbonates in photosynthesis. Minimum control and to use these carbonates in photosynthesis. 2 Kidney beans were placed in a nutrient solu, contg. NaiICO, with a tagged carbon atom (C¹⁴). The sevel of radioactivity of the soln, was kept low enough to avoid interference with the normal respiration and photosynthesis of the plants (10 ml. of soln, had a radioactivity of 5 microcuries). Plants Ū were tested in a hermetically sealed glass container through the ca.k of which the leaves and stem extended. licans thus i scaled were illuminated for 3 and 18 hrs., resp. After exposure of the plauts to light, radioactivity of the leaves was measured in terms of impulses per min. for 10 mg. tissue. After 3 hrs. of irradiation the leaf tissue had law radioactivity both before and effer the samples had how radioactivity both before and effer the samples had been digested with HCl. At the close of 18 brs. of illumination, the amt of radioactivity in the leaves h.d increased markedly but was much lower in t'e leaves than in the sterus or the roots. Radioactivity in the leaf and in the root tissue descreased slightly due compensation to the back HCl. descreased slightly after treatment of the tissue with IICI, but decreased about 1/, in the stem tissues. Carbonates were evidently carried up to the stem and fixed there before were evidently carried up to the stem and fixed there before the bulk of them reached the leaves. High radioactivity began at the point in the stem where the stem began to turn -green. Radioautographs of plants kept in darkness showed that come radioactive material was present, but was low. Radioautographs of plants illuminated after a period of darkness showed more radioactive material throughout the plant, but leas in the larger leaves. Small leaves near the stem were about as bright as the stem. A sugar identified as glucose from its osnone was isolated from leaf and stem tissue. The osnone was radioactive. The tagged atom present in the carbonate of the nutrient seln, was taken up by the plant and used in a way similar to the use of CCs from the air. Nolne M. Payne. INST Brochem in A.N.Bakh and Lob. Chiphys, Isatspos, a the nir. Neihe M. Payne and the substantion of the substant

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	KURSANOV, A. L.	
	Kursanov, Andrey L'vovich, 1902-	
	"Biochemistry of the production of tea. Vol. 6." A. L. Kursanov, ed. Reviewed by A. V. Blagoveshchenskiy, Biokhimiia, 17, no. 2. 1952/	
ç	9. Monthly List of Russian Accessions, Library of Congress, <u>Novamber</u> 1957, Uncl. 2	
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KURSANOV, A. L., TURKINA, M. V.

Plants - Respiration

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Respiration of conductive tissues and the movement of saccharose. Dokl. AN SSSR 85, No. 3, 1952.

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PA 227T2 Corr Mem, Acad Sci USSR, N. N. Kryukova, <u>B. B.</u> Vartapetyan, Inst Biochem imeni A. N. Bakh, Acad Sci USSR USER / Biology, Plant Physiology - 1 Au Carbon Dioxide, Isotopes plain the large yields obtained in intensive egri-eulturet Expts with NaHCl403 and Cl402 demon- 1 strated that C02 is resorbed through the roots and assimilated by photosynthesis in the leaves. States that concept of nourishment of plants KURGANOV, Introduced by Way of the Roots," A. L. Kursanov, "Dok Ark Nauk SSSR", Vol 85, No 4, pp 913-916 "The Movement Through Flants of Carbon Dioxide most of the CO₂ is intercepted in the stem and does not reach the leaves. Radiophotographs show that C¹⁴O₂ moves along definite lines in When the stem of the plant contains chlorophyll, through air is well established, but does not exthe stem, which presumebly correspond to wasular-fibrous bundles. An important factor is in the stem. the evolution of large quantities of oxygen with--J Aug ង 227122

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