

ZIKMUNDOVA, Jana

Discovery of conodonts in the Devonian of the Jestsdske pohori.  
Vest Ust geol 39 no.6:455-457 N '64.

1. Central Geological Institute, Prague. Submitted May 3, 1964.

VITEK, Vojtech; ZIKMUNDA, Otakar

Draft of a method for objective evaluation of a 300 mb surface. *Studia geophys* 6 no.2:202-205 '62

1. Laboratorium fur Meteorologie der Tschechoslowakischen Akademie der Wissenschaften, Bocni II, Praha 4 - Sporilov.

ZIKMUND, V.; BURIAN, V.; ZIKMUNDOVA, Y.; MARCZEK, J.; MASEK, V.

Extended epidemic of salmonellosis caused by *Salmonella typhi* murium in a regional town. *Cesk. epidem. mikrob. imun.* 8 no.4: 267-272 July 59

1. Krajska hyg. stanice v Liberci.--Mestska hyg. epid. stanice v Liberci -- Infekcni odd. KUNZ v Liberci.  
(SALMONELLA INFECTIONS, epidemiol.)

BROZ, O.; CIKANEK, M.; PUR, J.; ZIKMUNDOVA, V.

*Listeria meningoenkephalitis* in an adult woman. Cas. lek. cesk. 99  
no. 11:326-330 11. Mr. '60.

Infekčni oddelení, prim. dr. V. Hasek, patologickoanatomické  
odd., prim. dr. O. Broz a mikrobiologické odd., prim. dr. V. Burian,  
KUNZ v Liberci.

(*LISTERIA* INFECTIONS case reports)  
(*MENINGOENCEPHALITIS* etiol.)

BURIAN, V.; DUBEN, J.; KASOVA, J.; KNITTLOVA, O.; TESARIKOVA, M.; VOJTOVA, H.,  
ZIKMUNDOVA, V.

Experiences with viral diagnosis of poliomyelitis in microbiological laboratories of hygienic and epidemiological stations. Cesk. epidem. mikrob. imun 8 no.2:90-102 Mar 59.

1. Krajska hygienicko-epidemiologicka stanice v Ceskych Budejovicich, Jihlave, Liberci a Olomouci Okrasni hygienicke-epidemiologicka stanice v Havlickova Brode. V.B. Liberec, Baarova 526.

(POLIOMYELITIS, diag.

viral laboratory diag. (Cz))

ZIKMUNG, Ladislav, inz.

Hydraulic braking by the SRM gear box. Zel dop tech 13 no.2:  
52 '65.

ZHELIAZKOV, L.; BIKOVA, N.; ZIKOLOVA, S.; PETKOVA, E.

A new method of synthesis of 1-phenyl-2-aminopropanol (norephedrin and norpseudoephedrin). Farmatsia, Sofia 4 no.5:25-33 Sept-Oct 54.  
(SYMPATHOMIMETICS, preparation of phenylpropaholamine)

ZHELIAZKOV, L.; ZIKOLOVA, Sv.; AGOVA H: MUTAFCHIEVA, B.

Synthesis of new compounds with antituberculous properties, III.  
Hydrazides and hydrazones of  $\alpha$ -cyanocarbonic acid. Farmatsiia, Sofia  
5 no.3:17-20 My-Je '55.

(ACETIC ACID, derivatives,  
cyanoacetic acid hydrazides & hydrazones, ther. of  
tuberc. review)

(TUBERCULOSIS, therapy,  
cyanoacetic acid hydrazides & hydrazones, review)



ZHELIASKOV, L.; AGOVA, M.; ZIKOLOVA, Sv.

New drugs in the treatment of tuberculosis, hydrazides and  
hydrazones. Farmatsia 4 no.1:26-29 Ja-F '54.

(NICOTINIC ACID ISOMERS,

\*pharmacol.)

Country : Bulgaria G-2  
Category :  
Abs. Jour : 45848  
Author : Zhelyazkov, L. and Zikolova, S.  
Institut. : Bulgarian Institute for Pharmacology  
Title : Note on the Synthesis of Nicotinic Acid Diamide  
(Coramine, Cordiamine)  
Orig. Pub. : Trudy Nauch Isledovatel Inst Farmatsiya, 1, 3-5  
(1957)  
Abstract : Decreasing the amount of  $\text{SOCl}_2$  used in the synthesis of coramine (I) and the use of  $\text{NH}(\text{C}_2\text{H}_5)_2$  instead of  $\text{NH}(\text{C}_2\text{H}_5)_2 \cdot \text{HCl}$  markedly increases the yield of I. 1 mol nicotinic acid and 3 mols  $\text{SOCl}_2$  are heated in  $\text{C}_6\text{H}_6$  to  $110-120^\circ$ , the product is heated (2 hrs at  $100^\circ$  followed by 2 hrs at  $160-165^\circ$ ) with a benzene solution of  $\text{NH}(\text{C}_2\text{H}_5)_2$ , and I is isolated by the usual method, yield 75%.  
D. Vitkovskiy

Card: 1/1



ZHELIAZKOV, L.; ZIKOLOVA, Sv.

Synthesis of some 5-nitrofurfurole derivatives with probable anti-bacterial activity. Trud Khim-farmatsevt inst 4:7-8 '63.

COUNTRY : BULGARIA  
CATEGORY : Organic Chemistry. Synthetic Organic Chemistry  
ABS. JOUR. : RZKhim., No. 1 1960, No. 1267  
AUTHOR : Zhelyazkov, L.; Zikolova, S.; Bikova, N.  
INST. : -  
TITLE : Synthesis of 3-Substituted Oxazolidones-2 and Their Derivatives  
ORIG. PUB. : Farmatsiya, 1959, 9, No 2, 33-35  
ABSTRACT : By the alkylation of cis- and trans-4-methyl-5-phenyloxazolidones-2 (I, II), N-alkylsubstituted I and II were synthesized [Ia-f and IIA-f; everywhere a alkyl = n-C<sub>3</sub>H<sub>7</sub>; b n-C<sub>4</sub>H<sub>9</sub>, c CH<sub>2</sub>-CH(CH<sub>3</sub>)<sub>2</sub>, d n-C<sub>6</sub>H<sub>13</sub>, e CH<sub>2</sub>CH=CH<sub>2</sub>, f CH<sub>2</sub>CH<sub>2</sub>N-(C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>], through the alkaline hydrolysis of which cis- and trans-2-alkylamino-1-phenylpropanols (IIIa-f and IVa-f), interesting

CARD:

1/3

G-35

COUNTRY :  
CATEGORY : G

ABS. JOUR. : RZKhim., No. 1 1960, No. 1267

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT : 205. [OX, m.p. 213° (decomp.)]; d, 57-59, 227-  
cont'd 228; e, --, --, [OX, m.p. 199-201° (decomp.)];  
f, --, -- (OX, m.p. 182-183°, dihydrate,  
m.p. 185-186°). All of the substituted I and  
II (except Ic, IIc) do not crystallize. See  
also RZKhim., No 13, 1959, No 4584L.-- D.  
Vitkovskiy

CARD: 3/3

G-36

Country : Bulgaria G-2  
 Category :  
 Abs. Jour : 158/4  
 Author : Zhelyazkov, L., Agova, M., and Eikolova, S.  
 Institut. : Bulgarian Institute for Pharmacology  
 Title : The Attempted Synthesis of Isonicotinic Acid  
 Hydrazide  
 Orig Pub. : Trudy Nauch Isledovatel Inst Farmatsiya, 1, 8-11;  
 (1957)  
 Abstract : The authors report a number of improvements which  
 have been made in the synthesis of isonicotinic  
 acid hydrazide (I) by the reaction scheme:  

$$C_5H_5N \longrightarrow \gamma-C_5H_4NC_2H_5 \longrightarrow \gamma-C_5H_4NCOOH \longrightarrow$$

$$\gamma-C_5H_4NCOOCH_3 \longrightarrow I \text{ (cf Wibaut, Zbl, 1941, I, 3078)}$$
  
 The  $C_5H_5N$  and  $(CH_3CO)_2O$  are regenerated in the  
 first stage. The oxidation of  $C_5H_4NC_2H_5$  is

Card: 1/2

Country : Bulgaria  
Category : G-2  
Abs. Jour : 45884  
Author : Zhelyazkov, L., Bikova, N., and Zikolova, S.  
Institut. : Bulgarian Institute for Pharmacology  
Title : Synthesis of N-Substituted 2-Oxazolidones and  
of Their Derivatives  
Orig Pub. : Trudy Nauch Isledovatel Inst Farmatsiya, 1, 25-  
27 (1957)  
Abstract : For the purpose of investigating the dependence  
between the structure of 1-oxazolidones-2 and  
their pharmacological activity, the Na-deriva-  
tives of cis- and trans-4-methyl-5-phenyl-1-  
oxazolidone-2 (I, II) have been alkylated with  
(C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>SO<sub>4</sub>, C<sub>6</sub>H<sub>5</sub>SO<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub> and C<sub>6</sub>H<sub>5</sub>CH<sub>2</sub>Cl to  
3-R-I (IIIa-c, where Ra = C<sub>2</sub>H<sub>5</sub>, Rb = CH(CH<sub>3</sub>)<sub>2</sub>,  
and Rc = CH<sub>2</sub>C<sub>6</sub>H<sub>5</sub>) and 3-R-II (IVa-c). Alkaline  
hydrolysis of IIIa-c and IVa-c converts these  
compounds to the corresponding N-substituted cis-

Card: 1/2



Country : Bulgaria  
Category : G-2  
Abs. Jour : 45884  
Author :  
Institut. :  
Title :  
Orig Pub. :  
Abstract : and trans-1-phenyl-2-aminopropanols. Cis- and trans-1-phenyl-2-benzylaminopropanol have a marked spasmolytic activity. The substance and mp in °C are given: IIIa, 44-47; b, 40-42.5; c, 99-102; IVa, 42-45; b, 69-71; c, 75-78.  
D. Vitkovskiy

Card: 2/2

BULGARIA/Organic Chemistry - Synthetic Organic Chemistry.

G-2

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 14532

Author : Zhelyazov L., Zikolova Sv., Bikova N.

Inst :

Title : Behavior of Cis- and Trans-Isomers of 4-Methyl-5-Phenyl-Oxazolindone-2 Toward Lithium Aluminum Hydride.

Orig Pub: Farmatsiya (B"lg.), 1957, 7, No 3, 19-23.

Abstract: It is shown that cis- (I) and trans- (II) 4-methyl-5-phenyl-oxazolindone-2 are not reduced over skeleton Ni or Pd/C under normal conditons; on an attempt to effect the reduction with Na and alcohol, or Na and amyl alcohol, II is converted to norephedrine. On boiling for 7 hours with an ether solution of 2 mole  $\text{LiAlH}_4$ , I and II are reduced, with almost quantitative yields, to pseudo-ephedrine and ephedrine.

Card : 1/1

BIKOVA, N.; ZIKOLOVA, Sv.

Synthesis of dicumarol. Farmatsia 4 no.1:23-26 Ja-F '54.

1. Republikanski nauchno-issledovatel'ski farmatsevtichen institut.  
(COUMARIN, preparation of.)  
\*

BULGARIA/Organic Chemistry. Synthetic Organic Chemistry.

G-2

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81668

Author : Zhelyazkov L., Zikolova Sv., Agova M.

Inst :

Title : The Synthesis of Compounds With Prospective Anti-tubercular Activity. III. Hydrazides and Hydrazones

Orig Pub: Khimiya i industriya (Belg.), 1958, 30, No 1, 14-17

Abstract: In the search of new antitubercular compounds, the hydrazide of 2,6-dioxyisonicotinic acid was obtained, m p. 215-216°C., which was converted into isonicotinoyl hydrazones (INH) by the condensation with carbonyl compounds (CC); Given are CC and m.p. in °C. of the corresponding INH:  $\alpha$ -galactose, 170-173°C., diacetone alcohol, 140-142°C.; 5-nitrofurfural, 250 (decomposition); Karvon, 142-143; perillaldehyde, 126-130;

Card : 1/2

ZHELYAZKOV, L.[Zheliazkov, L.]; ZIKOLOVA, S.

Production, behavior and configuration of stereoisomeric  
*R*/*S*-1-methyl-2-phenyl-2-hydroxy/-ethyl)-carbaminoyl azides.  
Doklady BAN 17 no.2:149-152 '64.

1. Submitted by B.Kourtev [Kurtev, B.].

ZIKOLOVA, Sv.

Synthesis of 2-acetamino-5-sulfonamido-1, 4-thiadiazole. Trud  
Khim-farmatsevt inst 4:11-14 '63.

Synthesis of 3, 4-bis (p-oxyphenyl) -hexadiene-(2,4). Ibid.:14-18

Zikov, Yu.

USSR / Cultivated Plants

L-2

Abs Jour : Ref Zhur - Biol., No 6, March 1957, No 22697

Author : Zikov, Yu., Pribitkova, L.

Inst : Not given

Title : An Experiment in Corn Planting After Crop Harvesting in the Foothill Zone of the Alma-Atinsk Oblast under Irrigation.

Orig Pub : Peredov. opit kolkhoz. proiz-va v Kazakhstane, 1955, No 12, 29-33

Abstract : In 1954-1955, tests were conducted in sowing corn (extra Minnesota 13, improved Local and Alma-Atinskaya 236) in the foothill zone of the Alma-Atinsk Oblast on the educational farm of the Aksai Zooveterinary Institute and Dzambul Supporting Station of the Fodder and Pastures Institute, after crop harvesting under irrigation. After harvest-

Card : 1/3

USSR /Cultivated Plants

L-2

Abs Jour : RefZhur - Biol., No 6, March 1957, No 22697

Abstract : ting the main crops an irrigation before planting was conducted with a norm of irrigating water of 600-800 m<sup>3</sup>/hectare; after 2-3 days, the soil was cultivated before sowing by two variations: a) it was disked by disk harrows of type BD-3, 4, BDT-2, 2 or BDM to a depth of 10 cm; b) plowed by a plow with a foreplow to a depth of 22 cm with a simultaneous harrowing in two trails, and rolling before and after planting. On the background of these two variants of soil cultivation before sowing, corn was planted after the harvest of the main crop. Tests showed that the best predecessor for such corn planting should be annual grain-legume mixtures (vetch-oat mixture), and the best method of presowing soil cultivation for after-crop corn planting should be disking the stubble by a disk harrow type BD-3, 4 or BDT-2; 2 to a depth of 8 - 10 cm with

Card : 2/3



USSR / Cultivated Plants

L-2

Abs Jour : Ref Zhur - Biol., No 6, March 1957, No 22697.

Abstract : subsequent harrowing and post-planting rolling with a light wooden roller. Optimum area of nutrition of after-crop corn for green fodder in a square nidus method of planting should be 60 x 60 cm with four plants to a nidus. Highly effective in after-crop corn planting is the use of organo-mineral granular fertilizers in amounts of 200 kg/hectare, added simultaneously with planting in the nidus.

Card : 3/3

ZIKOVA

Microbiology - Microorganisms Pathogenic to Man and Animals.

Abstr Jour : Ref Zhur - Biol., No 3, 1958, 15544

Author : Zikova

Text

Title : Strains of E. Coli Which are Paragglutinated in Frequent Post-Dysenterical Intestinal Diseases.

Publ. Abstr : Pediatr., Skachkova I Ginekol. 1957, No 3, 16-19

Abstract : No abstract.

207/1/1

EXCERPTA MEDICA Sec.17 Vol.4/1 Public Health, etc. Jan58

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R002065120

207. ZIKOVA A. S. Pollution of the atmosphere with lead and its effect on the health of the population (Russian text) Gigena 1957, 2 (12-17) Tables 4  
Pollution of the atmosphere with lead, which is contained in the waste discharges of the accumulator-cell production plant and the tinworks, is of a constant nature and its concentration is several times higher than the maximum allowable concentration. Lead has been detected in the dust settling down inside the dwelling houses. A polyclinical examination of a group of population, living in the environment of air polluted with lead, has shown that some members of this group, as compared with members of the control group, have more pronounced functional disturbances

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of the nervous system, diseases of the gastrointestinal tract and the cardiovascular system. The high content of lead detected in urine of persons who have been subjected to the action of waste discharges containing lead, proves that among them there are lead-carriers. Investigations carried out on tissues of cats have shown that when lead is present in the air, the latter may accumulate in the organism. In order to control the harmful action on the health of the population of the industrial waste discharges, containing lead, it is necessary to observe the sanitary zone of protection between the dwelling houses and the production plant and guarantee a thorough removal of lead from the discharges of the plants.

KONRADOVA, Vaclava; ZIKOVA, Miroslava

Adrenogenital syndrome according to newborn and infant autopsy data in 1952-1957. Cesk. pediat. 14 no.4:320-323 5 Apr 59.

1. Fakulta detskeho lekarstvi, Praha. Katedra pathologicke anatomie a mikrobiologie. Vedouci katedry: doc. Dr. D. Benesova.

(ADRENOGENITAL SYNDROME, statist,  
autopsy data of pediatric clinic (Cz))

ZIKOVA, N.Ya. [Zykova, N.IA.]; KAZARNOVSKIY, L.S. [Kazarnovs'kyi, L.S.];  
SOLON'KO. V.N.; SHINYANSKIY, L.A. [hynians'kyi, L.A.]

Preparing extracts with the use of ultrasonic waves. Farmatsev.  
zhur. 16 no.4:15-16 '61. (MIRA 17:6)

1. Khar'kovskiy farmatsevticheskiy institut,

BALABAN, V.G. [Balaban, V.H.], prof.; ZIKOVA, O.L. [Zykova, O.L.], assistant

Role of staphylococci in intestinal diseases in infants. Ped.,  
akush. i gin. 25 no.1:9-13 '63. (MIRA 16:5)

1. Kafedra fakul'tets'koi pediatrii (zav.-prof. V.G.Balaban  
[Balaban, V.H.]) Kiivs'kogo medichnogo institutu (rektor-  
dotsent V.D.Bratus').

(STAPHYLOCOCCAL DISEASE) (INTESTINES—DISEASES)  
(INFANTS—DISEASES)

ZIKOV'YEVA, K. N.

USSR/Physics - Low temperature study

FD-1900

Card 1/1 Pub. 146-20/21

Author : Zikov'yeva, K. N.

Title : The surface tension of liquid helium He-3 in the temperature interval 0.93-3.34°K.

Periodical : Zhur. eksp. i teor. fiz. 28, 125, January 1955

Abstract : The writer conducted measurements of the surface tension of liquid He-3 by the method of raising of fluid in capillaries, of three different diameters (0.360, 0.224, 0.188 mm) and length 2 cm. He presents the results of three experiments averaged for each temperature for all three capillaries in a graph, with average error of measurements equal to 5% (maximum error: 7%). He finds that the surface tension of He-3 at 1°K is 2.5 times less than for He-4. Five references: e.g. V. P. Peshkov, *ibid.*, 23, 686, 1952 (containing description of the helium apparatus).

Institution: Institute of Physical Problems, Academy of Sciences USSR

Submitted : October 4, 1954

LITVINENKO, L.M.; PEREL'MAN, L.A.; ZIKRANETS, V.M.

4,4'-bitolyl. Metod.poluch.khim.reak.i prepar. no.4/5:135-137  
'62. (MIRA 17:4)

1. Khar'kovskiy gosudarstvennyy universitet imeni Gor'kogo.



LITVINENKO, L.M.; ZIKRANETS, V.M.

4-Amino-4'-chlorobiphenyl. Metod.poluch.khim.reak.i prenar.  
no.4/5:132-133 '62.

2-Bromo-4-nitroaniline. Ibid.:134-135 (MIRA 17:4)

1. Khar'kovskiy gosudarstvennyy universitet imeni Gor'kogo,

ZIKRILLAYEV, F.

Elements of physics in the "Correspondence between Biruni and Ibn-Sina." Izv. AN Uz. SSR, Ser. fiz.-mat. nauk no.1:89-91 '58.  
(Physics) (MIRA 11:6)

LOPUKHIN, Ye. A.; ZIKRILLAYEV, F.

Fluctuation of radiation quantity from an altitude above the  
earth's surface. Trudy Inst. mat. i mekh. AN Uz. SSR no. 4: 167-  
172 '55. (MIRA 8:8)

(Solar radiation)

ZIKRIN, O.Z. (Alma-Ata)

Linking the teaching of arithmetic and geography in the 5th  
grade. Mat. v shkole no.5:42-44 S-0 '63. (MIRA 16:11)

ZUYEV, L.A.; YU CHUN-BYAO [Yu Ch'ung-piao], ZIKRIYAYEVA, M.

Chlorosis manifestations in wheat in case of a high level of  
phosphate nutrition. Dokl. AN SSSR 136 no.4:975-978 F '61.  
(MIRA 14:1)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.  
Predstavleno akademikom A.I. Oparinym.

(Wheat---Diseases and pests)

(Chlorosis: (Plants)

(Plants, Effect of phosphorus on)

ZIKUMUNDA, O.

Forecasting the height of the isobaric surface 1000 mb by a graphic method. In Russian.

p. 157 (Studia Geophysica Et Geodaetica) Vol 1 no 1 1957. Praha, Czechoslovakia.

SO: Monthly Index of East European Accessions (EEAI) LC, Vol 7 no 1 Jan 1958

ZIKS, V.S.

"Escape" of the heart from inhibitory nervous effects. Nauch.  
dokl. vys. shkoly; biol. nauki no.4:59-65 '61. (MIRA 14:11)

1. Rekomendovana kafedroy fiziologii zhiivotnykh Moskovskogo gosudar-  
stvennogo universiteta im. M.V.Lomonosova.  
(HEART) (VAGUS NERVE) (INHIBITION)

ZIKS, V.S.

Seasonal characteristics of nervous inhibition of the rhythm and force of cardiac contractions in the frog. Nauch. dokl. vys. shkoly; biol. nauki no.4:64-69 '59. (MIRA 12:12)

1. Rekomendovana kafedroy fiziologii zhivotnykh Moskovskogo gosudarstvennogo universiteta im. M.B. Lomonosova. (HEART--INNERVATION) (INHIBITION) (FROGS)



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CIA-RDP86-00513R002065120006-9

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065120006-9"

ZILA, L.

"A few remarks on the withering of sugar beets in Slovakia."

LISTY CUKROVARNICKE, PRAHA, Czechoslovakia, Vol. 75, No. 1, April 1959

Monthly List of East European Accessions (MEAI), LC, Vol. 8, No. 9, September 1959.

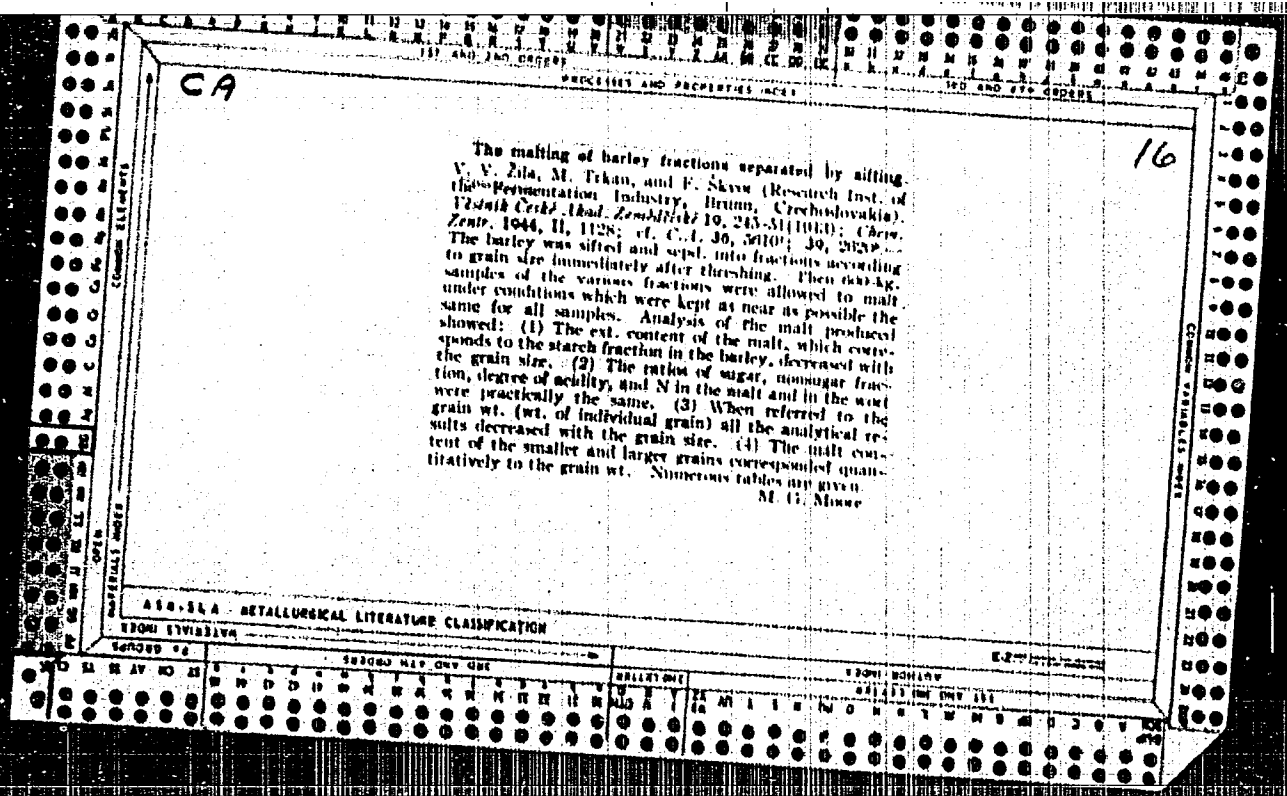
Unclassified.

ZILA, V.

"Malt Production." p. 173, (Prumysl Potravin, Vol. 4, no. 4, Apr. 1953, Praha)

SO: Monthly List of East European Accessions, Vol. 3, no. 2, Library of Congress,  
Feb. 1954, Uncl.





ZILAHÍ, Aladar, erdomuvelesi eloadó

Pine plantation in the Western Bukk State Forestry.  
Erdo 13 no.9:407-409 S '64.

1. Western Bukk State Forestry, Eger.

*ZILAH*  
HUNGARY/Chemical Technology - Chemical Products and Their  
Applications: Dyeing and Chemical Treatment of  
Textiles.

K-6

Abs Jour : Ref Zhur - Khimiya, No 2, 1958, 6658

Author : Zilahi, Kelem

Inst :           

Title : Investigating Certain Factors in Finishing Cotton Yarn  
by Sizing Coarse Linen.

Orig Pub : Magyar textil-techn., 1956, No 10, 366-370

Abstract : Sizing coarse linen increases its tensile strength from  
5-12 gm to 2-3 kg, its abrasion resistance becomes measu-  
rable, and therefore the effect of individual factors of  
the process are more easily made apparent on coarse linen  
than on yarn. The best results were obtained by the use  
of a solution containing the maximum amount of starch  
(35.7 kg in 500 liters). The maximum tensile strength was  
obtained upon treatment at 66°C, and the maximum abrasion

Card 1/2

ZILAHÍ, KELEM  
HUNGARY/Chemical Technology - Chemical Products and Their Applications; Dyeing and Chemical Treatment of Textiles. K-6

Abs Jour : Ref Zhur - Khimiya, No 2, 1958, 6658

Author : Zilahí, Kelem

Inst : -

Title : Investigating Certain Factors in Finishing Cotton Yarn by Sizing Coarse Linen.

Orig Pub : Magyar textil-techn., 1956, No 10, 366-370

Abstract : Sizing coarse linen increases its tensile strength from 5-12 gm to 2-3 kg, its abrasion resistance becomes measurable, and therefore the effect of individual factors of the process are more easily made apparent on coarse linen than on yarn. The best results were obtained by the use of a solution containing the maximum amount of starch (35.7 kg in 500 liters). The maximum tensile strength was obtained upon treatment at 66°C, and the maximum abrasion

Card 1/2



ZILAHY, M.; KELEN, I.

Investigation of some factors of cotton sizing by means of sized rovings.  
p. 366.

(Magyar Textiltechnika, No. 10, October 1956. Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 9, Sept, 1957. Uncl.

ZILAHÍ, M.

HUNGARY/Chemical Technology - Chemical Products and Their  
Application. Dyeing and Chemical Treatment of  
Textiles.

H-34

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 27374  
Author : Zilahi M., Kelen I.  
Inst : Hungarian Academy of Sciences.  
Title : Investigations on the Sizing Effect by Means of Sized  
Cotton Rovings.  
Orig Pub : Acta techn. acad. sci. hung., 1957, 18, No 1-2, 37-54  
Abstract : To study the effectiveness of sizing (S) use was made  
not of cotton yarn but rovings (R), the tensile strength  
and abrasion resistance of which are much more sharply  
increased as a result of the S process. A study was  
made of the effect of starch (St) concentration, tempera-  
ture of S, and repeated S.

Card 1/2

1ST AND 2ND LETTER	3RD AND 4TH LETTERS	MATERIALS INDEX
AUTHOR INDEX	NON-LETTER	FOR GROUPS
62731017		
77. Method for the quick determination of fiber content in flax, by M. Zilahi, Magyar Textiltechnika, Hungarian Textiles, Vol III, No. 4, pp 107-109, April, 1950.		
<p>The decoloring of the bast fibres is done by means of biological retting, which even at an optimal temperature requires 72 hours due to its slowness. The method is deemed unsatisfactory. The value of the material intended for manufacturing is determined by its pure cellulose content. Therefore, establishing the cellulose content of bast fibres is the only suitable means of comparing the various types. Consequently new methods have been elaborated for the quick decolorating, as well as decomposing of the cellulose. The cut material is heated in an 8% sodium solution of <i>Nordil</i>, and then stirred. After decolorating is performed by centrifugal force. After washing, filtering and drying the shives are easily beaten. When investigating the cellulose content, the shives are further treated with sulphuric acid at 100 to 100 °C, the liquid is decanted and a wet treatment applied. The substance is then boiled with potassium hydroxide at 100 to 100 °C. After drawing off the liquid, washing and drying, the almost pure cellulose is weighed for exact determinations. The moisture of the flax straw is also measured. The method serves only as a basis for quantitative comparisons, since depolymerization of cellulose will set in after boiling in acid and, subsequently in alkali.</p>		





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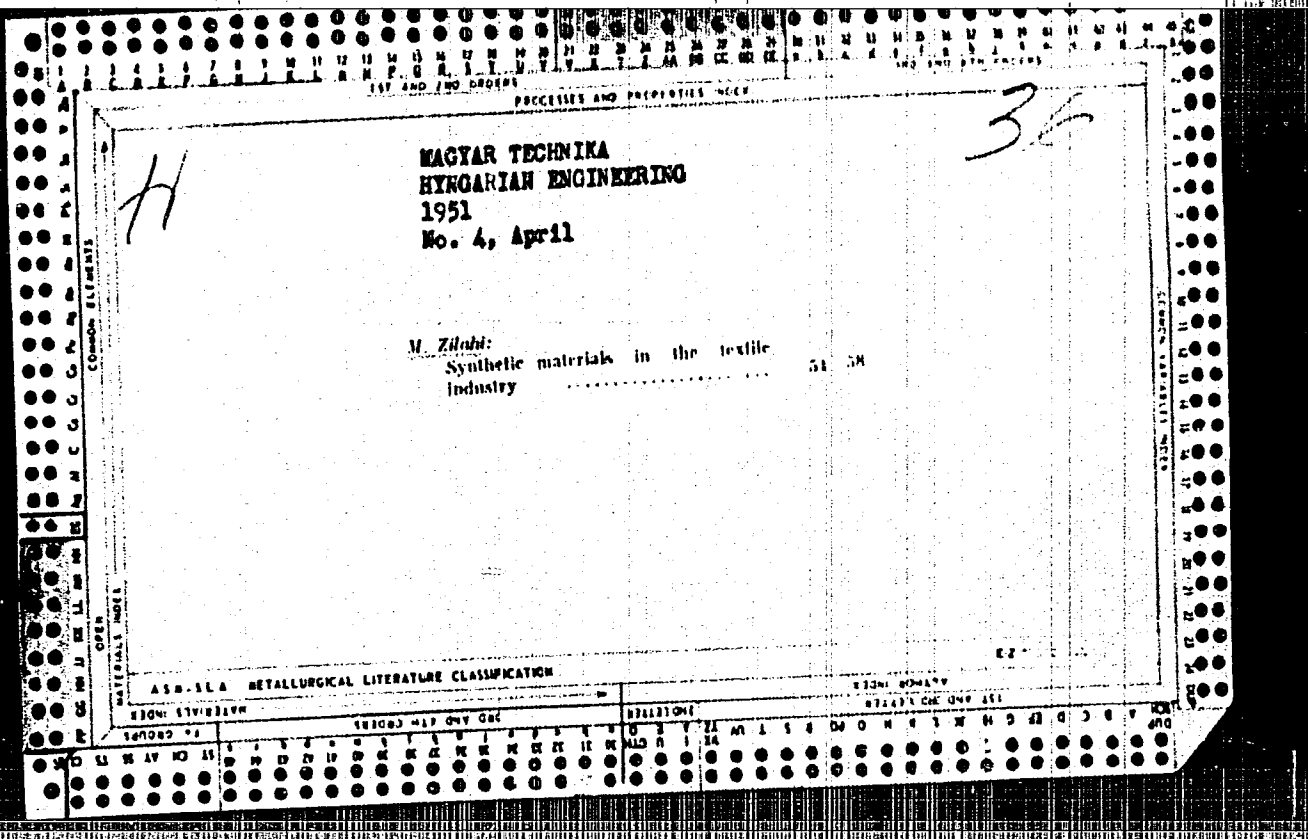
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(HYSTERECTOMY) (CESAREAN SECTION)  
(ADNEXA UTERI) (VULVA)  
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H-34

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Author : Zilakhi, Osva'd

Inst :

Title : Topochemical Examination of the Saponification Process  
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Orig Pub : Magyar tud. akad. Musz. tud. osz. kozl., 1957, 21, No  
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Abstract : The acetylation of cotton yarn by acetic anhydride in the  
presence of  $\text{HClO}_3$  as a catalyst was carried out to 36.55%  
of the acetyl groups, followed by the saponification in  
0.1M sodium carbonate solution for 30, 45, 60, 150, 180 and  
240. The investigation revealed that saponification pro-  
ceeded slowly: during 1-hour treatment with sodium carbo-  
nate, the content of the acetyl groups was decreased on-  
ly 5.58%. As the result of saponification, the tensile

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COUNTRY : Hungary P  
CATEGORY : GENERAL & SPEC. ZOOLOGY, INSECTS. Harmful Insects  
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ABS. JOUR : Ref Zhur - Biology No. 2 , 1959, No. 7033  
AUTHOR : Zilahi-Sbes, Geza  
INST. : Debrecen University  
TITLE : Entomological Investigations on the Potato  
Fields of the Northern Part of the Trans-  
Tisza River Region.  
ORIG. PUB. : Acta Univ. debrecen., 1956 (1957), 3, No. 2,  
143-172  
ABSTRACT : The general list of insects which are found  
on the potato fields (PF) of the region east  
of the Tisza River comprising several hundred  
species. Among these, 42% are phytophagous.  
However, only several phytotoxic species are  
constantly associated with potatoes. The  
majority are associated with this biotope  
only temporarily. 53% are composed of pre-  
dators and parasites. The remaining insects  
use the PF only as a temporary refuge, prov-

COUNTRY :  
CATEGORY : GENERAL & SPEC. ZOOLOGY, INSECTS

ABS. JOUR : Ref Zhur - Biologiya, No. 2, 1959, No. 7033

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB.:

ABSTRACT : discovered between the potato varieties of their physiological condition (their starch content) and the numerical ratio of aphid species which feed on them. In spite of the abundance of predaceous insects on the PP, their number would still be entirely insufficient to control the Colorado potato beetle were it to appear. -- From the author's summary

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S/169/62/000/010/071/071  
D228/D307

3.9110 (3805,4705)

AUTHOR: Zilahi-Sebess, L.

TITLE: Geometric quadrupole field

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 10, 1962, 34,  
abstract 10G245 (Acta techn. Acad. scient. hung.,  
37, no. 3-4, 1961, 403-426 (Eng.; summaries in Ger.,  
Fr. and Rus.))TEXT: If there are only inner disturbing masses, the Gauss  
series approximating to the geomagnetic field has the form:

$$V = R \sum_{n=1}^{\infty} \sum_{m=0}^n (g_n^m \cos m\lambda + h_n^m \sin m\lambda) P_n^m(\cos \theta) \times$$

$$\times \left(\frac{R}{r}\right)^{n+1} = R \sum_{n=1}^{\infty} V_n .$$

Here the coefficients  $g_1^0$ ,  $g_1^1$  and  $h_1^1$  are the parameters of the cen-  
Card 1/3

Geometric quadrupole field

S/169/62/000/010/071/071  
D228/D307

tral dipole, and terms with the indices  $n > 1$  have no simple physical significance. The parameters of the theoretical quadrupole can be calculated from the coefficients  $g_1^0, g_2^0, g_2^1, h_2^0$  and  $h_2^1$ . On a spherical surface, with a radius  $r = R$ ,  $V_2$  is the second-order function of the cosine of the angle. The eigen-vectors of  $V_2$  determine the directions characteristic of the quadrupole. The eigen-vector defined by the eigen-value with a minimum absolute magnitude is the normal to the plane of the quadrupole axes, while the other two eigen-vectors are respectively the inner and the outer bisectrices of the quadrupole axes. If the origin is placed at the magnetic Schmidt center, the dipole coincides with the normal to the plane of the quadrupole, and the quadrupole axes will be perpendicular to each other. The orthogonal system of quadrupole axes is obtained from the orthogonal system of eigen-vectors by turning them at an angle of  $45^\circ$  round the dipole axis. The above-indicated correlations evidently allow the displacement of the internal masses creating the earth's magnetic field to be traced in detail, since the shift of the earth's magnetic center may be explained by the migration of material masses, and the eigen-vectors will yield informa-

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