

Z/040/61/000/012/001/001
D005/D102

AUTHORS: Chvátal, Frant., Engineer, Kyzlink, Lad., Engineer,
and Čihář, Jiří, Engineer

TITLE: What will be the development of air transportation until 2000

PERIODICAL: Letecký obzor, no. 12, 1961, 398-399

TEXT: This is the first part of an article summarizing the previously published opinions of several experts as to what will be the development of air transportation until 2000. The following are the potential features on which most experts agreed: Maximum range of commercial transports will not exceed 20,000 km, and maximum speed will be between 8 and 10,000 km/hr unless artificial gravity should become feasible. Maximum capacity will be 300-500 passengers which, however, will be fully utilized only by medium- and intermediate-range transports. Vertical take-off and landing will remain limited to the long-range, special-purpose, and very-short-range transports. Long-range (up to 20,000 km) transports will have the shape of rockets with rather small wings. Their speed will be hypersonic (up to 10,000 km) and operating alti-

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APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928330002-4

KYZLINK, Ladislav, inz.

Drafting of unified regulations on airplane qualification,
Letecký obzor 6 no.11:367 '62.

KYZLINK, Ladislav, inz.

Winter operation at the International Civil Aviation
Organization Conference. Letecky obzor 7 no.11;342.
344 N°63.

L 63105-65 EWF(m)/EPF(c)/EPF(n)-2/ENG(a) WW/DM
ACCESSION NR: AP5014544

UR/0089/65/018/005/0522/0525
539.122:539.121.73

AUTHOR: Kozlovskiy, S. A.; Kuz'yurov, V. S.; Popkov, K. K.; Lebedev, D. N.

TITLE: Influence of boron-containing block structures on the yield of capture γ radiation

SOURCE: Atomnaya energiya, v. 18, no. 5, 1965, 522-525

TOPIC TAGS: reactor shielding, boron shielding, capture Gamma radiation, neutron distribution, thermal neutron, epithermal neutron

ABSTRACT: The authors investigated the effect of various boron-containing block structures on the amount of capture γ radiation that leaves the primary shield of a water-water reactor. The reactor shell, the heat screens, and the layers of γ water between the screens were imitated respectively by sheets of steel (St) and Plexiglas measuring 800 x 300 mm. Block assemblies made of boron carbide and borated lead were tested. The geometry of the experiment is shown in Fig. 1 of the enclosure. The emitter was a Po-Be source of 10^8 neut/sec. The spatial distribution of the neutrons in the shield with and without the block layers are plotted for both thermal and epithermal neutrons. The results are compared with calculated yields of the capture γ radiation were estimated from the areas under

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L 63105-65
ACCESSION NR:

AP5014544

the curves. Certain discrepancies with the results of others are attributed to differences in the geometry.
and V. N. Doroferkov, V. G. K.

Spirak for help with the work.

ASSOCIATION: none

SUBMITTED: 22May64

MR REF Sov: 003

cies with the results of others are attributed to
"The authors thank L. D. Broder for valuable advice,
sov, L. G. Kocherova, V. A. Lazukov, and Yu. K.
Orig. art. has: 6 figures.

ENCL: 01

SUE CODE: NP

OTHER: 000

Card 2/3

L-63105-65
ACCESSION NR: AP5014500

ENCLOSURE: 01

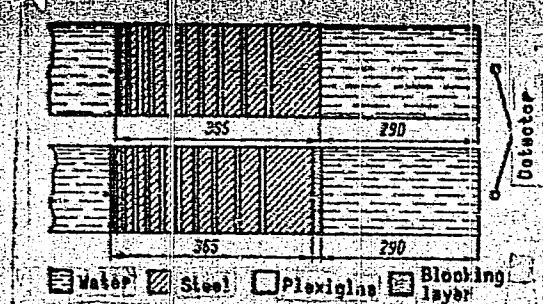
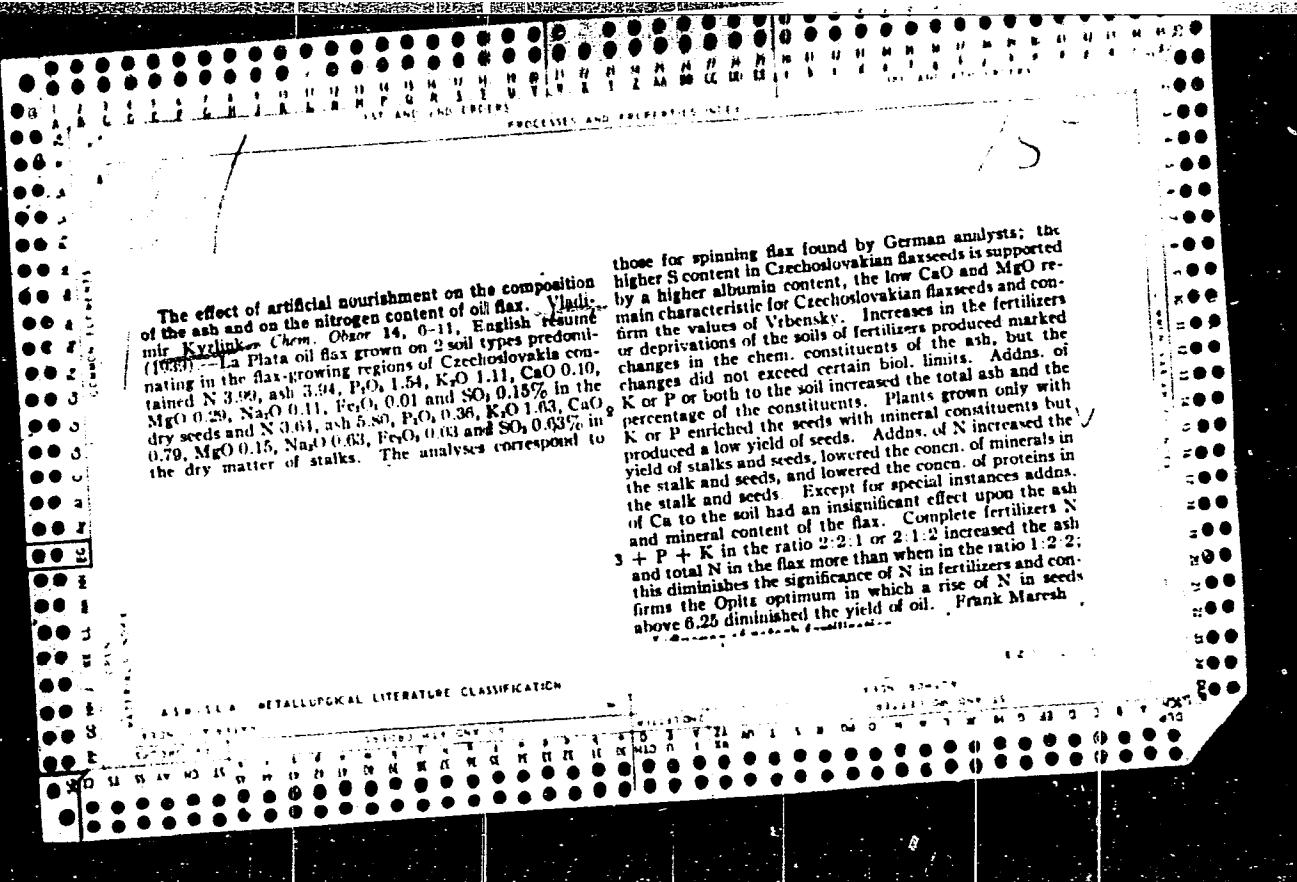
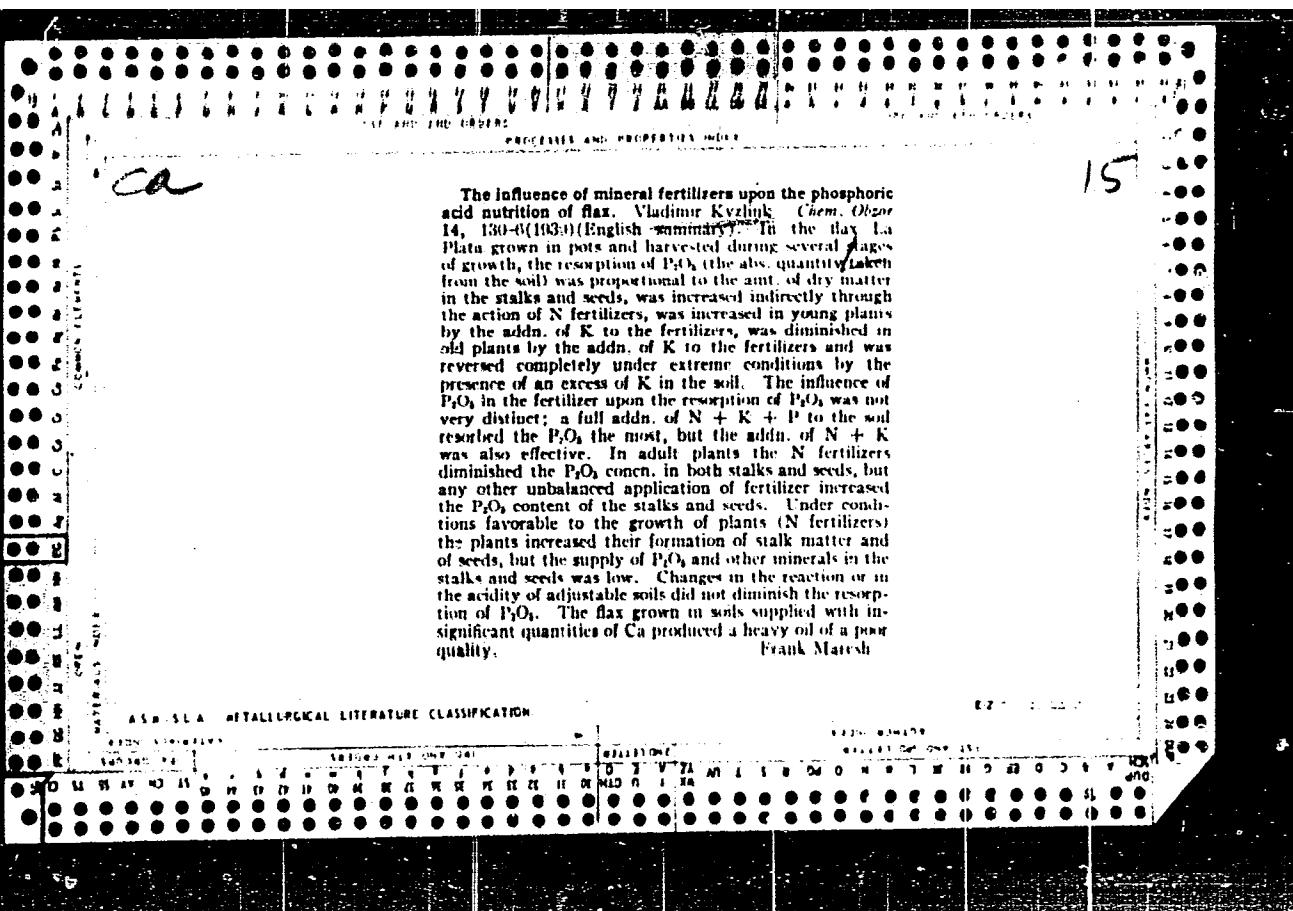


Fig. 1. Geometry of the experiment

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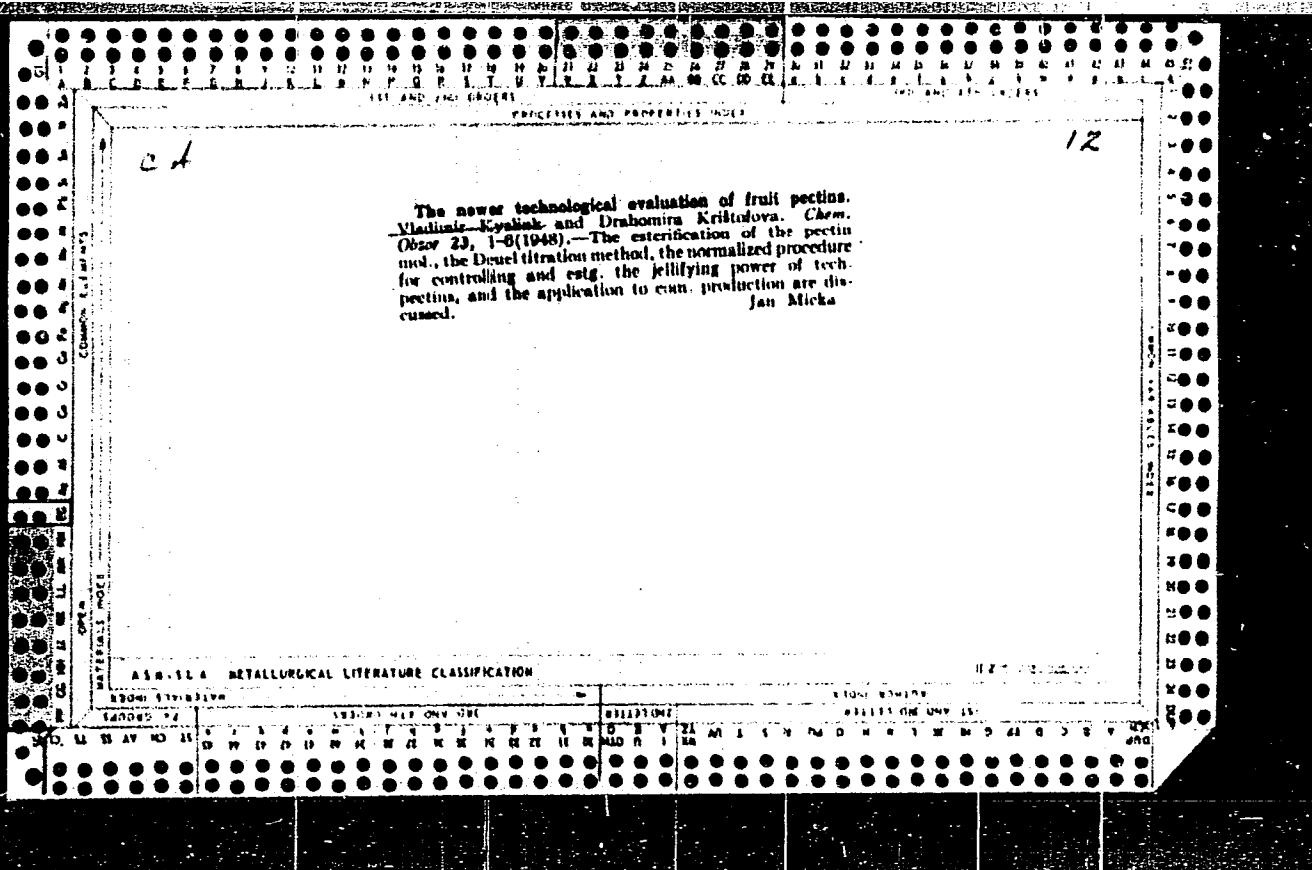


CA

15

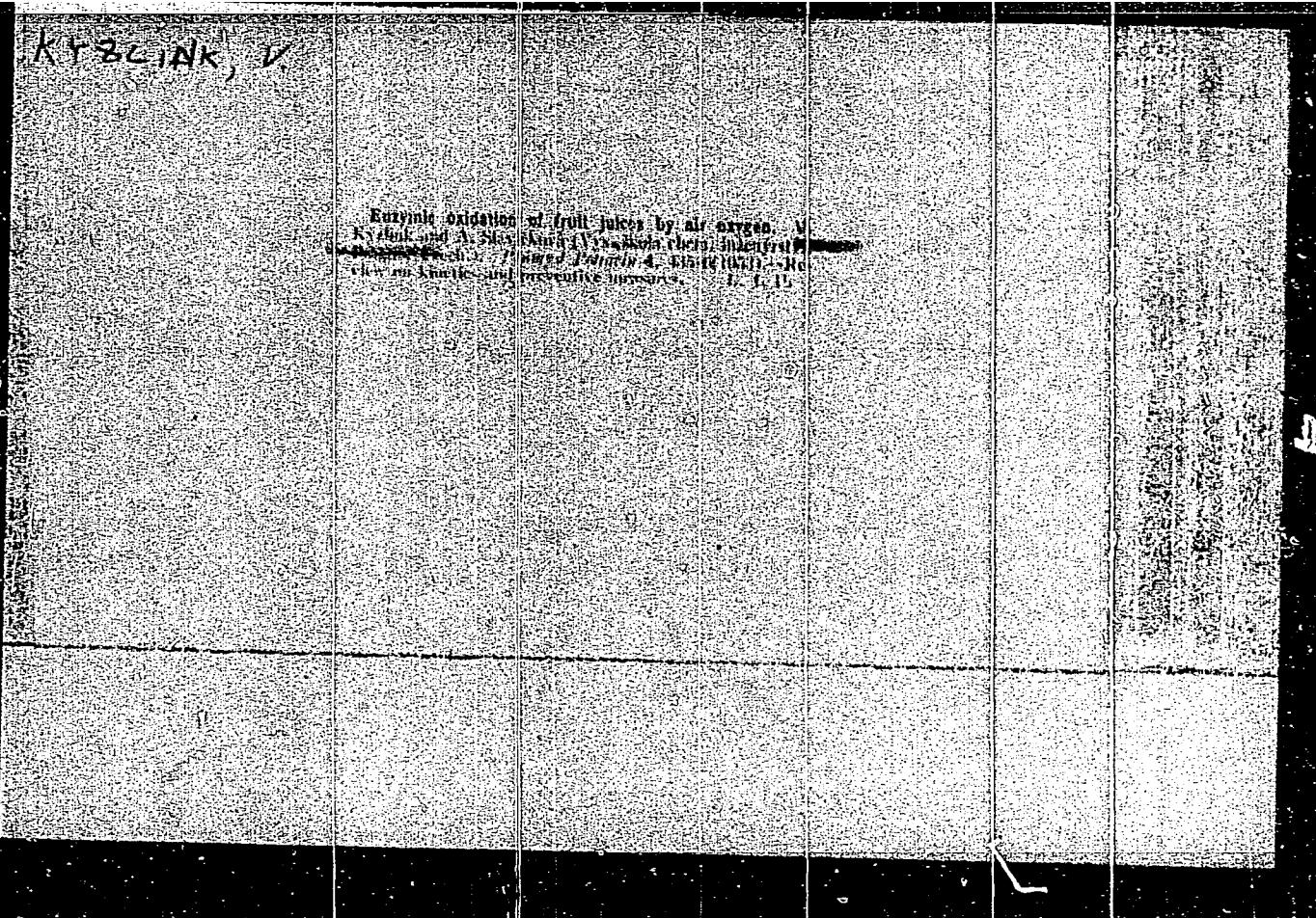
The potassium-ion fraction in the ash of flax. Vladimír Kyrlik. *J. Russ. Chem. Soc.*, **34**, 129-33 (1891). Flax was grown in pots and was fertilized with NaNO_3 , $\text{Ca}(\text{H}_2\text{PO}_4)_2$, KCl , K_2SO_4 , and CaCO_3 in various N:P:K ratios made up of either one or two parts of each element. In an unfertilized soil the K/O in the ash of the seeds was 28.30, stalks 29.01 and roots 18.53%. The N in the form of NaNO_3 stimulated the respiration and the transport of K from the roots to the stalks, leaves and seeds. When the nitrate predominated over the K in the soil, the distribution of the K between the stalk and the seed was equal; when the K predominated over the nitrate in the soil, the K entered into the stalks and little entered the seeds. An excess of Ca prevented the entrance of K into the supporting fibers, particularly in the roots where the slowly movable Ca accumulated. Fertilizers without nitrate encouraged the accumulation of K in the roots and seeds but left the assimilating organs low in K; the Ca in the stalks and leaves was high. The flaxseeds behaved as a reservoir into which the plant deposited K which it could not store in the stalks or leaves; the increase in the Ca content in the stalks prevented the entrance of K into the fibers and as a consequence the K in the stalks was low. — E. M.

AER 35-A METALLURGICAL LITERATURE CLASSIFICATION



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CIA-RDP86-00513R000928330002-4



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CIA-RDP86-00513R000928330002-4"

KYZLINK, VLADIMIR.

Navody k laboratornim pracim z ovocnicke a zelinarske technologie.
Praha, Statni pedagogicke nakladatelstvi, 1954. 204 p. (Ucebni texty
vysokych skol) (Instructions for laboratory work in the field of
fruit and vegetable technology) DA Not in DLG

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956.

CZECH

✓ Increase of vitamin C content in *Sorbus aucuparia* on heating during the canning process. Vladimír Kyzlink (Vys. škola chem. techn., Prague), Prace výzkumu 3, 41-K1855. Contrary to other similar kinds of fruit, *aucuparia* to 88° brought about a striking increase (40-10%) of a substance reducing 2,6-dichlorophenol. Its behavior in paper chromatography was identical with that of ascorbic acid.

L. J. Franks

KYZLINK, V.

"Transformation processes in ripening fruit and vegetables and their significance
for the canning industry. p. 537."

FRUMYSL POTRAVIN. Praha, Czechoslovakia. Vol. 6, no. 11. 1955.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, unclas

KYZLINK, VLADIMIR

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Application, Part 3. - Food Industry.

H-27

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 23027

Author : Vladimir Kyzlink

Inst :

Title : Determination of Expeditious Sterilization Duration of
Canned Food Products.

Orig Pub : Prumysl potravin, 1957, 8, No 10, 525-531

Abstract : The relation between the temperature and the heating ef-
ficiency at the canned food sterilization is discussed.
Examples of planning sterilization regimes are presen-
ted.

Card 1/1

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CIA-RDP86-00513R000928330002-4"

KYZLINK, V.

Application of air exhaustion in the canning of fruit and vegetables before
sterilization. p. 94.

PRYMSL, POTRAVIN. Praha, Czechoslovakia, Vol. 10, no. 2, February 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 7, July 1959.
Uncl.

KYZLINK, Vladimir; CURDA, Dusan; CURDOVA, Marie

Effect of some antioxidants on the stability of the anthocyanin
pigments of sterilized fruit. Sbor potrav WSChT Vol.5, pt.2:
59-79 '61 [publ. '62].

1. Katedra konzervarenske technologie, fakulta potravinarske
technologie, Vysoka skola chemicko-technologicka, Praha.

Z/031/62/010/C12/001/002
D006/D102

AUTHORS: Horák, Václav, and Kyzlink, Vladimír

TITLE: Permanent magnets produced by pressing from a mixture of metal powder with synthetic resin

PERIODICAL: Strojírenská výroba, no. 12, 1962, 603-605

TEXT: Miniature and/or intricately shaped permanent magnets of Ti-modified AlNi or AlNiCo alloy types are difficult to cast and their machining is expensive. Magnets produced by powder metallurgy are brittle and also difficult to machine. Bonded permanent magnets from grit of heat-treated Fe-Co-Ni-Al-Ti-Cu alloy, using epoxy resin as binding agent, provide a solution to these problems at a comparatively small sacrifice of magnetic properties. For highest specific gravity (up to 5.98 gr/cm³) and, consequently, best magnetic properties, a blend of fine- and coarse-grained grit (0-0.4 mm with 0.61-1.5 mm, or 0.41-0.6 mm with 1.51-3.0 mm grain size) in a 22:78% mixing proportion is recommended. Acetone solution of 1002-B epoxy resin type proved the best binding agent for this purpose, the only

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Permanent magnets produced by ...

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D006/D102

disadvantage being its long curing time ranging from 48 hours at 110°C to 0.83 hour at 190°C. Optimal wettability was obtained when using 1cm³ of epoxy solution for 15 gr of grit. Pressing force of 41 tons was used and curing was made at a maximum temperature of 200°C. Products featured high dimensional accuracy requiring only slight grinding of edges with emery cloth. There are 3 figures and 5 tables.

ASSOCIATION: Tesla, Liberec

Card 2/2

KYZLINK, Vladimir, prof., ScDr.

Factors determining the consistency of pectin jellies.
Prum potravin 14 no.6:301-305 Je '63.

1. Vysoka skola chemickotechnologicka, Praha.

CURDOVA, Marie, inz.; KYZLINK, Vladimir, DrSc.

Stability of the C vitamin and fat in baby food dried by sublimation process. Prum potravin 14 no.10:529-531 O '63.

1. Vysoká škola chemickotechnologická, katedra technologie konzervarensztvi, Praha.

NOVOTNY, V., doc. inz. CSc.; KYZLINK, V., doc. inz. CSc.

Some problems of material interest to enterprises.
Podn org 18 no. 3:127-129 Mr '64.

1. Higher School of Economics, Prague.

L 10657-65 EWT(m)/EWP(j) PC-4 AEDC(b)/ASD(j)-3/RAEM(t) RM

ACCESSION NR: AP4049599

Z/0031/64/012/007/0500/0501

AUTHOR: Kralink, Vladimir

TITLE: Casting of miniature rotors of epoxyd resin

SOURCE: Strojirenska výroba, v. 12, no. ?, 1964, 500-501

TOPIC TAGS: miniature electrical equipment, rotor manufacture, rotor design, epoxy resin

Abstract: Described is the method of casting miniature rotors for a 9-volt battery motor used in the "Blues" tape recorder. The article contains technical data on the design of the rotor and the casting technology. Rotors were tested for four hours at 60 degrees centigrade and for eight hours at 20 degree centigrade. No defects were found. The method is now in Czechoslovakia. Orig. art. has 4 figures.

ASSOCIATION: Tesla Liberec, n. p. (Tesla National Enterprise)

SUBMITTED: 00

ENCL: 00

SUB CODE: EE, MT

NO REF Sov: 000

OTHER: 003

JPRS

Card

1/1

KYZ'MIN, A.A.; SAFRONOV, Ye.K.

Refining of silicon by the iodide method. Zhur.prikl.khim.
33 no.3:591-597 Mr '60. (MIRA 13:6)
(Silicon)

KYZRODEV, A.V.

Pneumatic conveying of loose materials in steel-shaping shops. Bezop.
truda v prom. 2 no.11:33-34 N '58.
(MIRA 11:11)

1. Nachal'nik ventilyatsionnogo byuro otdela tekhniki besopasnosti Ural-
mashzavoda.
(Pneumatic-tube transportation)

KYZRODEV, I.N.

Drying lumber with overheated vapor. Der. prom. 12 no. 11:17 N '63.
l. Sondaskiy lesozavod, Estonskaya SSR. (MIR 17:1)

KZAKH, L.

POLAND/Chemical Technology. Cellulose and its Derivatives.

Abs Jour: Ref. Zhur-Khimiya, No 12, 1958, 41817.

H

Author : Kzakh, Lang.

Inst : Not given.

Title : Preliminary Studies On the Usefulness of Sweet Clover
Melilotus Officinalis For Cellulose Production.

Orig Pub: Przegl. papiern., 1957, 13, No 1, 3-6.

Abstract: White Melilotus Officinalis contains 45.6% cellulose, as compared with 49.3% that is found in cereal grass, and 48.1% in reed. The furfurole yield is 11.7% as compared to 18.04%. Because of the low furfurole yield, clover is not recommended for its production. In combination with other fibrous materials, cellulose from clover might be utilized in paper industry.

Card : 1/1

5

KZENES, Kornel

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CIA-RDP86-00513R000928330002-4"

Determination of skeleton points by insertion. Geod kart 1:2 no.3:
207-208 '60.
(Cartography) (EEAI 10:3)

KZENZENKO, I.Ye., podpolkovnik meditsinskoy sluzhby

Combined gramicidin and sulfanilamide therapy for blepharitis. Voen.-
med. zhur. no.4:65-66 Ap '56.
(EYELIDS--DISEASES) (SULFANILAMIDES)
(GRAMICIDIN) (MLRA 9:9)

KZEMSKI, K.

"Conference With Readers of Przeglad Geodezyjny in the Polish Association of Land Surveyors in Piotrkow Trybunalski." P. 186, (PRZEGLAD GEODEZYJNY, Bol. 10, No. 6, June 1954. Warszawa, Poland.)

SO: Monthly List of East European Acquisitions, (EEAL), LC, Vol. 3,
No. 12, Dec. 1954, Uncl.

PYATKOVSKIY, G., inzh.-informator; IVANCHUK, V.; KZHAKHOB, V.;
SIMONOV, M.; KHROMOV, K., zhurnalist (Baku); DUDETSKIY, E.;
TRAVNIKOV, N.

We are living this way. Izobr. i rats. no. 12:8-9 '63.

(MIRA 17:2)

1. Trest "Kommunarskugol'", Luganskaya obl. (for Pyatkovskiy).
2. Sotrudnik oblastnoy gazety "Krasnyy Sever", Vologda (for Ivanchuk).
3. Starshiy inzh. Kazakhskogo respublikanskogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Kzhakhov).
4. Sekretar' Udmurtskogo oblastnogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov, Izhevsk (for Simonov).
5. Nachal'nik otdela tekhniki bezopasnosti Lyuberetskogo zavoda imeni Ukhtomskogo (for Dudetskiy).
6. Korrespondent zhurnala "Izobretatel' i ratsionalizator" (for Travnikov).

KZAKHOV, V. (Alma-Ata)

Factory heliohospital. Okhr. truda i sots. strakh. 6 no.3:
21 Mr '63.
(MIRA 16:4)

(ALMA-ATA--ULTRAVIOLET RAYS--THERAPEUTIC USE)

KZHAKHOV, V.

Services miss the mark. Zhil-kom. khoz. 13 no. 3:19-20 Mr '63. (MIRA 16:3)

1. Inspektor Kazakhstanskogo respublikanskogo komiteta profsoyuza
rabochikh mestnoy promyshlennosti i komunal'nogo khozyaystva, Alma-Ata.
(Alma Ata—Laundry industry)

KZHAMALOV, S.A.; VINTER, A.Y., akademik.

Operation of water reservoirs of hydroelectric power plants on mountain streams. Izv. AN SSSR Otd.tekh.nauk no.5:675-680 My '53. (MIRA 6:8)
(Hydroelectric power stations)

BERANOVA, H.; BRANDSHTETR, I.; DRUIN, V.; YERMAKOV, V.; ZVAROVA, T.;
KZHIVANEK, M. (Krzywanek, M.); MALY, Ya. (Maly, J.); POLIKANDOV, S.;
SU HUNG-KUEI

Synthesis of 256 Md as a result of irradiating 238 U with
 22 Ne ions and research on some of its chemical properties.
Nukleonika 7 no.7/8:465-471 '62.

1, Ob"yedinennyj institut yadernykh issledovaniy, Dubna, Laboratoriya
yadernykh reaktsiy.

ACC NR: AT7006687

SOURCE CODE: UR/2517/66/092/000/0093/0099

AUTHORS: Kzhivitskiy, A.; Ladyzhenskaya, O. A.

ORG: none

TITLE: The method of nets for nonstationary Navier-Stokes equations

SOURCE: AN SSSR. Matematicheskiy institut. Trudy, v. 92, 1966. Krayevyye zadachi matematicheskoy fiziki (Boundary value problems of mathematical physics), no. 4, 93-99

TOPIC TAGS: Navier Stokes equation, sequence, convergent sequence, vector, Euclidean space, boundary value problem

ABSTRACT: An implicit difference scheme for solving the general nonlinear, non-stationary problem

$$\left. \begin{array}{l} \frac{\partial u}{\partial t} - v \Delta u + u^k \frac{\partial u}{\partial x_k} = -\operatorname{grad} p + f, \\ \operatorname{div} u = 0, \\ u|_{\partial\Omega} = 0, \\ u|_{t=0} = u_0. \end{array} \right\} \quad (1)$$

is proposed. Its convergence is investigated. The case of a bounded domain Ω and a homogeneous condition is examined. It is shown that the system

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ACC NR: AT7006687

$$\begin{aligned}
 u_{hk}^t - \nu u_{hk}^t + \frac{1-\theta}{2} u_h^t u_{hk}^{t+1} + \frac{1-\theta}{2} u_h^t u_{hk}^t &= -p_{hk}^t + f_h^t \\
 u_{hk}^t &= 0, \\
 u_h^t|_{s_h} &= 0, \\
 u_h^t|_{t=0} &= a_h^{(m)}
 \end{aligned} \tag{2}$$

and

$$\sum_k p_k = 0, \quad k = 1, \dots, N \tag{3}$$

is uniquely solvable in every layer for u_h^i , p_h for any f_h , a_h . It is also shown that from the set of solutions $\{u_h\}$ constructed according to (2), a sequence can be extracted that converges (when $\Delta t = ch \rightarrow 0$) on a weak solution (in the sense of Hopf) of this problem. In the case of $n = 2$, the entire sequence converges on this solution. Orig. art. has: 16 formulas.

SUB CODE: 12/ SUBM DATE: none/ ORIG REF: 006/ OTH REF: 001

Card 2/2

1-35616-65
ACCESSION NR; AT5008297

P-2532/64/000/023/0022/0035

AUTHOR: Wislicki, B. (Vislitskiy, B.) (Master of arts); Krzyzanowski, R.
(Kzhizhanovskiy, R.) (Master engineer)

TITLE: Miniature combustion chamber for fuel testing

SOURCE: Warsaw. Instytut Lotnictwa. Prace, no. 23, 1964, 22-35

TOPIC TAGS: combustion chamber, fuel test, continuous combustion, vibration combustion

ABSTRACT: J. Wolfa of the Polish Aviation Institute has designed a small-size combustion chamber as a first step in a fuel combustion investigation in order to define the characteristics of fuel combustion with evaporation under conditions comparable to real engine operating conditions. The chamber, designed for visual observation of the combustion process, has been used for comparative study of B-70 gasoline and P-2 fuel at fuel flow rates from 0.2 to 1.5 kg/hr. The chamber's thermal efficiency as a function of air excess for the above fuels was determined. The tests conducted have demonstrated the usefulness of microchambers for the investigation of fuel combustion with evaporation. It has also been shown that by the use of diffusion of

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L 35616-65

ACCESSION NR: AT5008297

Fuel vapors it is possible to intensify the vibrational combustion. A detailed description of the combustion chamber and test stand is presented. Orig. art. has: 4 formulas and 24 figures.

[AC]

ASSOCIATION: Instytut Lotnictwa, Warsaw (Aeronautics Institute)

SUBMITTED: 00Mar64

ENCL: 00

SUB CODE: FP

NO REF SOV: 007

OTHER: 019

ATD PRESS: 3220

Card 2/2

Kzhunkovskiy, I.Ye.

USSR/Farm Animals - Domestic Fowls

Q-6

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 26233

Author : Dzhunkovskaya A.V., Kzhunkovskiy I.Ye.
Inst : Not Given

Title : A New Breed Group of Chickens (Novaya porodnaya gruppa kur)

Orig Pub : Biol. nauchno-tekhn. inform. Kirg. n.-i. in-t zhivotnovodstva
i zool., 1956, No 1-2, 34-36

Abstract : The raising of a new breed group of chickens was started at the Frunze Experimental Farm of the Kirgiz Scientific Research Institute of Animal Husbandry in 1945. Crossing of the local white hens with New Hampshire cocks was resorted to; then, hybrids of the first generation were crossed with barred Plymouth Rock cocks, and the hybrids of the second generation - with local cocks. The progeny thus obtained was interbred within the new breed. Also, selection was made from among the best hybrids and those were provided with good conditions of maintenance and feeding. Live weight of adult hens was 2.6-3 kg. and of cocks 3.8-4.5 kg.; egg laying

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USSR/Farm Animals - Domestic Fowls APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928330002-4"

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 26233

Q-6

capacity was 170-200 eggs, and weight of the egg of adult layers was 59-62 g. The chickens of the new breed have high vitality and good meat qualities.

Card : 2/2

GIOMADZKI, Wojciech; KZMIENSKA, Karolina; LUKASIK, Jerzy; JANKAU, Alfred.

Clinical observations on the "rooming-in" system. Ginek. Pol.
36 no.1:23-34 Ja '65

D. z II Kliniki Poloznictwa i Chorob Kobiecych Akademii Medycznej w Gdansku (Kierownik: Prof. dr. med. W. Gromadzki).

POSLEDNICHENKO, Yu.G., inzh.; KZOIKOV, I.N., starshiy master

Tests and experience in operating hydraulic ash removal
systems in block boilers. Energetik 13 no.11;15-17 N '65.

(MIRA 18:11)

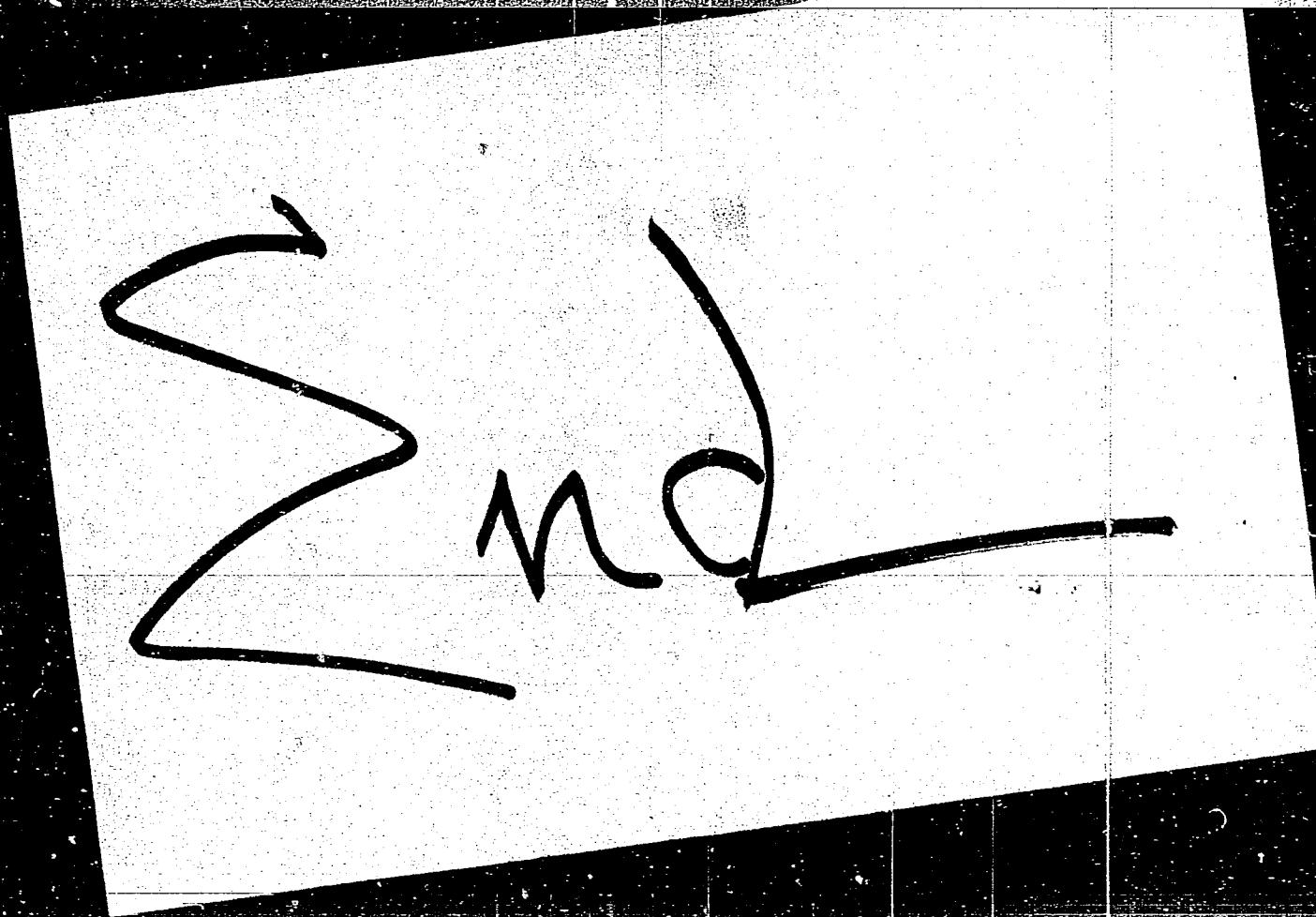
KZYL-KHODZHAYEV, A.A.

Testing the VS-15 diesel-electric trucks. Trudy Inst. gor. dela
AN Kazakh. SSR 17:102-105 '65.
(MIRA 18:9)

Reel #283
Kuzovkov, A.G.
to
Kzyi-Khodzhayev,
A.A.

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