

Obshchaya tekhnologiya sinteticheskikh kauchukov

AID 176 - I

**Purpose:** Approved by the Department of Schools of the Ministry of the Chemical Industry as a textbook for courses in technology and at technical schools for skilled workers of the rubber industry. Recommended by the Educational Administration of the Ministry of Labor Resources of the U.S.S.R. as a textbook for skilled workers undergoing technological training at industrial training schools.

**Facilities:** Names of several Russian scientists are mentioned.

**No. of Russian and Slavic References:** 17 (1934-1951)

**Available:** Library of Congress.

2/2

KRYUCHKOV, A.P.

[Synthetic rubber] Iskusstvennyi kauchuk. Izd. 2. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1953. 62 p.

(MIRA 6:9)

(Rubber, Synthetic)

511. Obshchaya Tekhnologiya Sinteticheskikh  
Kauchukov (General Technology of the Synthetic

Rubrics): A. P. Kuznetsov, Moscow, Gosizdatvuzov, Nauchno-tekhnicheskoe Izdatel'stvo Khimicheskoi Literatury, 1954; 2nd ed., pp. 324. Price 1 R. 3.16. This second edition preserves the didactic nature of the 1952 edition (this journal, 1952, abn. 527). The main text is generally as in the first edition, although the introduction gives a rather different and shorter general scientific foundation and e.g. omits reference to kok saghyr. The only addition to the 1952 table of synthetic rubbers is Isidene.

See also Abstracts 468, 469, 478

*2/11/54*

*2/11/54*

**KRYUCHKOV, A.P.**

Soviet rubber. Khim.v shkole 9 no.5:3-13 8-0 '54. (MLRA 7:9)  
(Rubber, Synthetic)

BORCHANINOV, G.S., kand.tekhn.nauk dots.; KRYUCHKOV, I.P., kand.tekhn.  
nauk

Current carriers with paired phases. Izv.vys.ucheb.zav.; emerg.  
2 no.11:36-41 N '59. (MIRA 13:4)

1. Moskovskiy ordena Lenina energeticheskiy institut. Pred-  
stavlena kafedroy elektricheskikh stantsiy.  
(Electric conductors)

KRYUCHKOV, Aleksey Petrovich; RQW, N.B., rod.

[Synthetic rubbers of regular structure] Sinteticheskie  
kauchuki reguliarnogo stroenia. Moskva, Ob-vo "Znanie"  
RSFSR, 1964. 31 p. (MIRA 18:3)

KRYUCHKOV, Aleksey Petrovich; SKUBA, I.A., red.

[Rubber; popular-science essay] Kauchuk; nauchno-  
populiarnyi ocherk. Moskva, Khimia, 1965. 103 p.  
(MIRA 18:7)

KRYUCHKOV, Aleksay Petrovich; SKUBA, I.A., red.

[General technology of synthetic rubber] Obshchaia  
tehnologiya sinteticheskikh kauchukov. Izd.3., perer.  
i dop. Moskva, Khimiia, 1965. 470 p. (MIRA 18:7)



1. KRYUCHKOV, A.S.
2. USSR (600)
4. Coal-Cherepet' Region
7. Report on the detailed exploration of the field of mine No. 7 of the Zheltikov coal deposits in the Cherepet' region of the Tula Province. (Abstract.) Izv. Glav. upr. geol. fon. no. 3. 1947
  
9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

KRYUCHKOV, A. P.

KTITOROV, Pavel Mikheylovich,; ZAYCHENKO, Grigoriy Yevlampiyevich,;  
KACHURA, Nikolay Ivanovich,; KRYUCHKOV, Aleksandr Stepanovich,;  
CHUMACHENKO, G., red.; BESP'YATOV, R., tekhn. red.

[Over-all mechanization of mining operations in Chasov Yar open  
pit mines] Kompleksna mekhenizatsiia hirnychych robit na  
Chasiv'iars'kykh kar'ierakh. Kyiv, Derzh. vyd-vo tekhn. lit-ry  
URSR, 1958. 132 p. (MIRA 11:11)

(Chasov Yar--Strip mining)  
(Mining machinery)

KRYUCHKOV, A.S., inzh.-mekhanik

Hoisting an ESh-6,60 excavator with a walking mechanism. Gor. zhur.  
no.5:66 My '63. (MIRA 16:5)

(Excavating machinery)

ZAYCHENKO, G.Ye., kand. tekhn. nauk; ZAYCHENKO, V.A., inzh.; KRYUCHKOV, A.S.

Use of ZER-500 rotary excavators in the Chasov-Yar open-cut  
mines. Gor. zhur. no.10:59-63 O '65. (MIPA 18:11)

1. Institut NIIKMA (for G.Zaychenko, V.Zaychenko). 2. Chkalovskiy  
gornoobogatitel'nyy kombinat (for Kryuchkov).

KRYUCHKOV, A.V., starshiy prepodavatel'; TYABIN, N.V., doktor  
tekhn. nauk

Laws of speed and pressure distribution in a viscoplastic  
lubricant layer of a journal sliding bearing. Izv. vys.  
ucheb. zav.; mashinostr. no.9:53-59 '65. (MIRA 18:11)

MAKSIMOV, M.; KRYUCHKOV, B.

All-Union conference on developing oil and gas fields. Geol.  
nefti i gaza 5 no.12:56-57 D '61. (MIRA 14:11)  
(Oil fields--Production methods)

KRYUCHKOV, B.N.

Methods leading to the wider use of wells having small diameters in the development of oil fields. Nauch.-tekhn. sbor. po dob. nefi no.17:72-75 '62. (MIRA 17:8)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

BLOKH, S.S.; BUCHIN, A.N.; KRYUCHKOV, B.N.; REYTENBAKH, G.R.;  
SINYAVSKAYA, N.D.

Certain features of the technological process in the  
development of the Western-Tebuk oil field in the Komi  
A.S.S.R. Nauch-tekhn. sbor. po dob. nefti. no.21:  
54-58 '63. (MIRA 17:5)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy  
institut i Pechorskiy nauchno-issledovatel'skiy ugol'nyy  
institut.



BRISMAN, A.A.; BUCHIN, A.H.; KICYUSHKOV, B.H.

Using the compressor method in the exploitation of wells. Nauch.-tekh.  
stor. po dob. nefi no.24:125-131 '64. (MIRA 17:10)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

MARKOV, G.S.; IVANOV, V.P.; KRYUCHKOV, B.P.; LUK'YANOVA, Zh.F.;  
NIKULIN, V.P.; CHERNOBAY, V.F.

Protozoans and ticks parasitizing on reptiles on the Caspian Sea  
region. Uch. zap. Volg. gos. ped. inst. no.16:106-110 '64.

(MIRA 19:1)

1. Kafedra zoologii Volgogradskogo gosudarstvennogo pedagogi-  
cheskogo instituta.

KRYUCHKOV, B.P.

Importance of the larvae of tailless amphibians in the fishery management of various bodies of water in Azerbaijan and southern Daghestan. Uch. zap. AGU. Biol. ser. no.1:61-64 '60.

(MIRA 14:5)

(AZERBAIJAN--LARVAE--AMPHIBIA)

(DAGHESTAN--LARVAE--AMPHIBIA)

(FISH CULTURE)

MARKOV, G.S., doktor biologicheskikh nauk, prof.; KRYUCHKOV, B.P.

Helminths of the turtle Cryptodira in southern Daghestan. Uch.  
zap.Volg.gos.ped.inst. no.13:124-133 '61. (MIRA 15:12)  
(Daghestan—Parasites—Turtles)  
(Daghestan—Worms, Intestinal and parasitic)

KRYUCHKOV, B.S.; SERAFIMOV, L.A.; L'VOV, S.V.

Recovery of organic acids by liquid extraction. Khim. i tekhn.  
topl. 1 masel 8 no.12:58-61 D '63. (MIRA 17:1)

1. ITKhT im. M.V. Lomonosova.

KRYUCHKOV, B.S.; SERAFIMOV, L.A.; L'VOV, S.V.

Recovery of organic acids by the liquid extraction method.  
Khim.i tekhn.topl.i masel 7 no.7:20-24 JI '62. (MIRA 15:9)  
(Acids, Organic) (Gasoline)

KRYUCHKOV, B.S.; SERAFIMOV, L.A.; STRELETS, I.P.; GOLYNETS, Yu.F.;  
L'VOV, S.V.

Extraction of double-base acids by liquid extraction. Khim. i  
tekh. topl. i masel 9 no.4:6-9 Ap '64. (MIRA 17:8)

KHYUCHKOV, D.M.; SHAPIRO, L.Ya.

Wide-band bridge for the measurement of impedances and conductivities. Poluprov.prib. 1 kh prim. no.3:116-147 '58.

(MIRA 12:4)

(Impedance(Electricity)--Measurement)

(Electric conductivity--Measurement)



GRUZ, R.I.; VANSHEYDT, A.A.; KRYUCHKOV, F.A.; POZIN, L.M.; KANEVSKAYA, N.V.

Interaction of alcohols and amines with NN'-methyleneacrylamide and  
with cyclic NN'-trimethylenetriacrylamide. Zhur.prikl.khim. 36  
no.6:1307-1314 Je '63. (MIRA 16:8)  
(Alcohols) (Amines) (Acrylamide)

L 2946-66 EWT(m)/EPP(o)/EWP(j)/T/ETC(m) WW/RM

ACCESSION NR: AP5025023

UR/0286/65/000/016/0081/0081  
678.674

AUTHOR: <sup>44,55</sup> Shoshtayeva, M. V.; <sup>44,55</sup> Tarkhanova, E. B.; <sup>44,55</sup> Kryuchkov, F. A.; <sup>34</sup> Petrov, A. S. <sup>44,55</sup>

TITLE: Treatment for unsaturated polyesters. <sup>44,55</sup> Class 39, No. 173933 <sup>15</sup>

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 81

TOPIC TAGS: polyester, fire resistant material

ABSTRACT: An Author Certificate has been issued for a treatment for unsaturated polyesters involving acetic anhydride. To produce nonburning and water-resistant unsaturated polyesters, a chloral-modified unsaturated polyester is used, and the treatment is carried out with excess acetic anhydride with heating at 60-70C min in the presence of a tertiary amine, e.g., triethylamine. [SM]

ASSOCIATION: none

SUBMITTED: 02Aug63

ENCL: 00

SUB CODE: OC,GC

NO REF SOV: 000

OTHER: 000

ATD PRESS <sup>410</sup>

<sup>BVK</sup>  
Card 1/1

L 9990-06 EWT(m)/EWP(j)/T/ETC(m) W#/RM

ACC NR: AP6000328 <sup>44, 55</sup> SOURCE CODE: UR/0286/65/000/021/0014/0015

(N) INVENTOR: Kryuchkov, F. A.; Chistyakova, M. V. <sup>44, 55</sup> 16  
B

ORG: none

TITLE: Preparation of foamed polyurethanes. Class 12, No. 175941 <sup>15, 53, 44</sup> 15

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 21, 1965, 14-15

TOPIC TAGS: polyurethane, foam plastic

ABSTRACT: <sup>15</sup> An Author Certificate has been issued for a preparative method of fire-resistant foamed polyurethanes from isocyanates and chloral-modified polyhydric alcohols. (BO)

SUB CODE: 11/ SUBM DATE: 21Apr62/ ATD PRESS: 4150

Card 1/1 UDC: 678.664

KRYUCHKOV, Fedor Iyanovich; SMIRNOV, Pavel Alekseyevich; SHATALINA, M.A.,  
red.; PLESNOVA, V.A., tekhn. red.

[Division commander Solodukhin] Nachdiv Solodukhin. Leningrad,  
Lenizdat, 1961. 219 p. (MIRA 14:12)  
(Russia--Revolution, 1917-1921)  
(Solodukhin, Petr Adrianovich, d.1920)

KRYUCHKOV, G.; KOPYCH, L.

Power of competition. Avt.transp. 40 no.10:8 0 '62. (MIRA 15:11)

1. Bobruyskiy avtobusnyy park. 2. Sekretar' partiynogo byuro Bobruyskogo avtobusnogo parka (for Kryuchkov).  
(Bobruysk--Transportation, Automotive)

KRYUCHKOV, G.K., inzh.

Making 15- to 18-m. beams in yards equipped with concreting combines. Suggested by G.K.Kriuchkov. Rats.1 izobr.predl.v stroi. no.16:11-13 '60. (MIRA 13:9)

1. Trast Kurskpromstroymaterialy, Kursk, ul.Lenina, d.21.  
(Girders)

KRYUCHKOV, G.M.

Streptomycin therapy of fistular forms of osteoarticular tuberculosis.  
Probl.tub. 34 no.6 supplement:33-35 N-D '56. (MIRA 10:2)

1. Iz Krasnodarskogo krayevogo kostnotuberkuleznogo sanato-riya st.  
Novo-Pokrovskaya (glavnyy vrach G.M.Kryuchkov, nauchnyy rukovoditel' -  
kandidat meditsinskikh nauk B.A.Varsava)

(TUBERCULOSIS, OSTEOARTICULAR, therapy,  
streptomycin (Rus))

(STREPTOMYCIN, therapeutic use,  
tuberc., osteoarticular (Rus))

KRYUCHKOV, G.M.

Treatment of intrathoracic abscesses in tuberculous spondylitis.  
Probl. tub. 38 no.4:103-104 '60. (MIRA 14:5)  
(SPINE—TUBERCULOSIS) (CHEST—ABSCESS)



VAKSER, I. I.; STUBAYLO, G. D.; CHISTOVA, V. A.; KRYUCHKOV, G. R.,  
dots., nauchnyy red.; KUNTSEVICH, S., otv. za vypusk;  
STERZHANOV, P., tekhn. red.

[Public health in the White Russian S.S.R. for forty years  
(1919-1958); an index to the literature] Zdravookhranenie  
Belorusskoi SSR za sorok let, 1919-1958; ukazatel' litera-  
tury. Minsk, 1961. 500 p. (MIRA 16:7)

1. Minsk. Respublikanskaya gosudarstvennaya nauchnaya  
meditsinskaya biblioteka.

(WHITE RUSSIA--PUBLIC HEALTH--BIBLIOGRAPHY)  
(BIBLIOGRAPHY--WHITE RUSSIA--PUBLIC HEALTH)

~~KRYUCHKOV, G.S., inzh.~~

Complex crews for the winning of milled peat. Torf. prom. 35 no.5:  
31-32 '58. (MIRA 11:10)

1. Kalininskiy sovnarkhoz.  
(Peat)

KRYUCHKOV, G.S., inzh.

Complete utilization of peat in the Kalinin Province. Torf.prom.  
39 no.2:14-16 '62. (MIRA 15:5)  
(Kalinin Province--Peat industry)

KRYUCHKOV, G. YA.

33200. Skorodumskiy Optnopolkazatel'nyy LespromkhozFered Osennnezimnim Sezonom.  
Les. Prom-St', 1949, No. 10, c. 4-5

SO: Letopis' Zhruanl'nykh Statey, Vol. 45, Moskva , 1949

Исследования, -- А., ст. 64.

Transportation of 411-length logs along highways; experience of enterprise of the Leningrad Timber Trust. Moskva, Goslesbumizdat, 1952. 39 p.  
(54-26681)

SD539.B3

1. CRICOV, S. F.; KRYUCHEV, G. YA., Eds.; BAPITSKIY, G. M.
2. USSR (600)
4. Lumbering - Machinery
7. Operation of felling and skidding machines, Mekh. trud. rab., 7, no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

KRYUCHKOV, I.

"Frozen" electricity. *IUn. tekhn.* 5 no. 11:29-32 № '60.

(Electrets)

(MIRA 13:12)

KRYUCHKOV, I.

Homemade electrets. Un.tekh. 6 no.1:20-21 Ja '62. (MIRA 15:2)  
(Electrets)



KRYUCHKOV, I.

Supply rural machine operators with more machinery. Sov. profsoiuzy  
16 no.24:28-30 D '60. (MIRA 14:1)

1. Predsedatel' komissii po proizvodstvenno-massovoy rabote komiteta  
profsoyuza Moskovskogo zavoda gidroagregatov imeni S.M. Budennogo.  
(Moscow—Pumping machinery)

KRYUCHKOV, I.

Lightning protection of farm buildings. Del'stroi. 15  
no.5:29-31 My '60. (MIRA 13:8)  
(Farm buildings) (Lightning protection)

REZVUSHKIN, P.D., inzh. (g. Voronezh); LAOSHIN, P.P. (st. Tamskaya Gor'kovskoy dorogi); KRYUCHKOV, I.D., dorozhnyy master (st. Chad Kazanskoy dorogi); BASISTYY, I.S., tekhnik (st. Khmil'nitskaya Yugo-Zapadnoy dorogi)

Letters to the editor. Put' 1 put.khos. no.10:44 0 '58.

(MIRA 11:12)

(Railroad engineering)

ARICHKOV, I. I.

KRYUCHKOV, I. I. Brucellosis and the fight against it. Saransk, Mordovian State Publishing House, 1952. 22 pages. Price 30 Kopeks. 2,00 copies in Mordovian-Moksha language.

So: Veterinariya; 30; (3); March 1953; Uncl.  
TABCON

CHERNOV, I.S.; FOYARKOV, A.A.; ZOTOV, V.A., kand. veter. nauk (Smolenskaya oblast'); KRYUCHKOV, I.I., staryiy veterinarnyy vrach

Prophylaxis of dictyocaulosis in cattle; a selection of articles.  
Veterinariia 71 no.4:45-48 Ap '65. (MIRA 18:6)

1. Upravleniya veterinarii Ministerstva sel'skogo khozyaystva RSFSR (for Chernov). 2. Nachal'nik veterinarnogo otdela Smolenskoj oblasti (for Foyarkov). 3. Zaveduyushchiy Rzhavskoy veterinarnoy laboratoriyey Kalininskoy oblasti (for Kryuchkov).

KRYUCHKOV, I.I., veterinarnyy vrach.

Wild animals as a source for the spread of anthrax. Veterinaria  
30 no.6:36 Je '53. (MLRA 6:5)

MEDVEDEV, I.D., prof.; CHISTYAKOV, F.A.; KRYUCHKOV, I.<sup>I</sup>; GOROBETS, A.V.;  
MERKOTAN, V.; PONOMAREV, B.

Throughout the Soviet Union. Veterinaria 36 no.6:94-96  
Je '59. (MIRA 12:10)  
(Veterinary medicine)

IOVLEVA, V.N.; KRYUCHKOV, I.I. (Gor'kiy)

Experience in the preparation of plastic bridges. Stomatologia  
no.3:63 My-Je '54. (MIRA 7:6)  
(CROWN AND BRIDGEWORK,  
\*plastmass bridges, prep. of)



KRYUCHKOV, I. I.

AID P - 1291

Subject : USSR/Electricity  
Card 1/1 Pub. 27 - 15/30  
Authors : Lange, F. F., Eng., and Kryuchkov, I. I.  
Title : Determination of partial discharges during the tests  
of high-voltage capacitors  
Periodical : Elektrichestvo, 1, 68-69, Ja 1955  
Abstract : When testing capacitors with loudspeakers, it often  
happens that in case of an incomplete breakdown, no  
noise is detectable. The authors suggest a testing scheme  
with an auxillary capacitor of proven quality coupled in  
parallel through a reactor. One diagram.  
Institution : All-Union Institute of Electrical Engineering im. Lenin  
Submitted : S 30, 1954

KRYUCHKOV, I.I., (Moskva)

Simplified method for demonstrating electric fields. *Vis.*  
v shkole 17 no.1:68 Ja-F '57. (MLRA 10:2)

(Electricity--Experiments)

POLYAKOV, A.A., prof.; TARANOV, M.T., kand. biolog. nauk; POLOZNOV, N.A.,  
veterin. vrach; CHEREZOVA, T.Ye., veterin. vrach; KRYUCHKOV, I.I.;  
LILENKOV, I.P., kand. veterin. nauk; PETUKHOVA, Ye.A., kand. sel'-  
skokhoz. nauk; KHALENEVA, L.D., kand. sel'skokhoz. nauk; BOCHAROV,  
D.A., kand. sel'skokhoz. nauk

Sanitation and veterinary hygiene. Veterinariia 41 no.2:  
84-99 F '64. (MIRA 17:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy  
sanitarii (for Polyakov). 2. Vsesoyuznyy nauchno-issledovatel'-  
skiy institut fiziologii i biokhimii sel'skokhozyaystvennykh  
zhitovnykh (for Taranov). 3. Kalininskaya nauchno-proizvodstvennaya  
veterinarnaya laboratoriya (for Poloznov, Cherezova). 4. Zaveduyushchiy  
Rzhevskoy veterinarnoy laboratoriyey, Kalininskaya oblast' (for  
Kryuchkov). 5. Arzamasskaya veterinarnaya laboratoriya, Gor'kovskoy  
oblasti (for Lilenkov). 6. Moskovskaya veterinarnaya akademiya (for  
Petukhova, Khaleneva). 7. Moskovskiy tekhnologicheskiy institut  
masyanoy i molochnoy promyshlennosti (for Bocharov).

KRYUCHKOV, I. P. (Aspirant)

"Increasing the Dependability of Indirect Systems of Excitation for Synchronous Generators." Cand Tech Sci, Moscow Order of Lenin Power Engineering Institute V. M. Molotov, 10 Dec 54. (VM, 1 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: SUM No. 556, 24 Jun 55

TER-GAZARYAN, Grigoriy Narimanovich; KRYUCHKOV, I.P., redaktor; FRIDKIN,  
A.M., tekhnicheskiy redaktor

[Asymmetric performance of hydraulic generators] Nesimmetrichnyi  
rezhim raboty gidrogeneratorov. Moskva, Gos. energ. izd-vo, 1956.  
143 p. (MIRA 9:8)  
(Electric generators)

KRYUCHKOV, I.P., kand.tekhn.nauk

Selecting parameters of motor generator sets for the excitation of  
synchronous machines. Trudy MBI no.26:201-217 '57. (MIRA 11:9)  
(Electric machinery, Synchronous)

VASIL'YEV, A.A.; OKOLOVICH, M.N.; CHUGREYEV, A.V.; KRYUCHKOV, I.P.,  
red.

[Manual on laboratory course in "The electrical section of electric power plants."] Rukovodstvo dlia raboty v laboratorii po kursu "Elektricheskain chast' stantsii." Red. I.P.Kriuchkov. Moskva, Mosk. energ. inst., 1963. 85 p. (MIRA 16:10)

1. Prepodavateli kafedry elektricheskikh stantsiy Moskovskogo energeticheskogo instituta (for Vasil'yev, Okolovich, Chugreyev).

(Electric power plants--Electric equipment)

VASIL'YEV, Aleksandr Aleksandrovich; LARIONOV, V. P.; OKOLOVICH, M. N.;  
Prinimali uchastiye NAYASHKOVA, Ye. P.; KRYUCHKOV, I. P.; BORUNOV,  
N. I., tekhn. red.

[Electrical section of power plants and substations] Elektricheskaia chast' stantsii i podstantsii. Moskva, Gosenergoizdat, Pt. 1. [Electrical equipment and power distribution devices] Elektricheskie apparaty i raspredelitel'nye ustroistva. 1963. 495 p. (MIRA 16:3)

(Electric power plants)  
(Electric substations)  
(Electric power distribution)



UL'YANOV, Sergey Aleksandrovič; MARKOVICH, I.M., doktor tekhn.  
nauk, prof., rezensent; KRYUCHKOV, I.P., kand. tekhn.  
nauk, red.

[Electromagnetic transients in electrical systems] Elektro-  
magnitnye perekhodnye protsessy v elektricheskikh sistemakh.  
Moskva, Energiia, 1964. 703 p. (MIRA 18:2)

**KRYUCHKOV, I.V.**

Precision of psychrometer measurements at high temperatures [with  
summary in English]. Inzh.-fiz.sbur. 1 no.8:16-22 Ag '58.  
(MIRA 11:8)

1. Tekhnologicheskii institut kholodil'noy promyshlennosti, Odessa.  
(Hygrometry)

FILONENKO, G.K.; KRYUCHKOV, I.V.

Using a psychrometer in the vegetable drying industry.

Kens. i ov. prom. 13 no.12:6-9 D '58.

(MIRA 11:12)

1. Odesskiy tekhnologicheskiy institut pshchevoy i kholedil'noy promyshlennosti.

(Vegetables; Dried) (Hygrometry)

KRYUCHKOV, I. V.: Master Tech Sci (diss) -- "Investigation of methods of measuring the humidity of the air". Odessa, 1959. 16 pp (Min Higher Educ Ukr SSR, Odessa Tech Inst of the Food and Refrigeration Industry), 150 copies (KL, No 18, 1959, 125)

KRYUCHKOV, I.V.

Determination of corrections to the psychrometer. Izv.vys.ucheb.  
zav.;pishch.tekh. 1:159-163 '61. (MIRA 14:2)

1. Odesskiy tekhnologicheskiy institut pishchevoy i kholodil'noy  
promyshlennosti, Kafedra sushki.  
(Food—Drying)

KRYUCHKOV, I.V., inzh.

Shielding of a psychrometer. Izv. vys. ucheb. zav.; energ.  
4 no.7:115-118 J1 '61. (MIRA 14:7)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy  
promyshlennosti. Predstavlena kafedroy sushki.  
(Hygrometry)

KOVAL', V.A., inzh.; KRYUCHKOV, I.V., inzh.; LIKHNITSKIY, G.V., inzh.;  
PODSVYADEK, A.V., inzh.; SPASSKIY, K.F., inzh.

New weighing instruments. Mekh.i avtom.proizv. 15 no.11:46-48  
N '61. (MIRA 14:11)

(Scales (Weighing instruments))

KOVAL', V.A.; ~~KRYUCHKOV, I.V.~~; LIKHNITSKIY, G.V.; PODSVYADEK, A.V.;  
SASSKIY, K.F.

Investigating strain-measuring dynamometers. Priborostroenie  
no.11:10-11 № 162. (MIRA 15:12)  
(Dynamometer)



KRYUCHKOV, K.

Mechanizing the chipping of burrs from plastic parts. Mashino-  
stroitel' no.10:7 0 '62. (MIRA 15:10)

(Plastics machinery)

KRYUCHKOV, K.

Machine for cleaning rod-type materials. Mashinostroitel'  
no.5:15 My '63. (MIRA 16:7)

(Metal cleaning)

KRYUCHKOV, K. N.; SEREBRYAKOV, G. N.

Modernized 1261P semiautomatic machine. Mashinostroitel'  
no.10:11 0 '62. (MIRA 15:10)

(Machine tools—Technological innovations)

KRYUCHKOV, L.A.; BURAKOV, M.R.

Circuit for measuring the impedance of an electrochemical cell.  
Zav.lab. 29 no.8:1014 '63. (MIRA 16:9)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut  
mednoy promyshlennosti.  
(Electric batteries) (Impedance(Electricity))

L 1653-66 EWT(m)/EWP(t)/EWP(k)/EWP(b)/EWA(c) JD/HW

ACCESSION NR: AP5021620	UR/0286/65/000/013/0101/0101 621.979.984.002.54
AUTHOR: <u>Shofman, J. A.</u> <sup>4455</sup> ; <u>Gedymin, Yu. Yu.</u> <sup>4455</sup> ; <u>Rezhkov, V. M.</u> <sup>4455</sup> ; <u>Starikov, V. B.</u> <sup>4455</sup> ; <u>Kryuchkov, M.YA.</u> <sup>4455</sup> ; <u>Davydov, G.YA.</u> <sup>4455</sup> ; <u>Akhmetshin, M.YA.</u> <sup>4455</sup> ; <u>Kvitnitskiy, A. N.</u> <sup>4455</sup> ; <u>Rogozinskiy, A. A.</u> <sup>4455</sup> ; <u>Feygin, V. I.</u> <sup>4455</sup> ; <u>Yegorov, I. V.</u> <sup>4455</sup> ; <u>Roytberg, L. Kh.</u> <sup>4455</sup> ; <u>Yermanok, M. Z.</u> <sup>4455</sup> ; <u>Rodionov, A. B.</u> <sup>4455</sup>	
TITLE: Method for <u>tube extrusion</u> Class 49, No. 172601	
SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 101	
TOPIC TAGS: metal, metal tube, metal extrusion, tube extrusion	
ABSTRACT: This Author Certificate introduces a method for tube extrusion from solid ingots. In this method the metal is first divided into several strips which are subsequently welded in the next die. In order to reduce the extrusion pressure, the diameter of the ingot should be smaller than that of the extruded tube.	
ASSOCIATION: none	
SUBMITTED: 30Jan62 NO REF SOV: 000 Card 1/1 DP	ENCL: 00 OTHER: 000
SUB CODE: MM ATD PRESS: 4095	

L 1655-66 ENT(d)/ENT(m)/ENP(v)/ENP(t)/ENP(k)/ENP(h)/ENP(b)/ENP(l)/ENA(c)

JD/HW

ACCESSION NR: AP5021621

UR/0286/65/000/013/0102/0102

621.979.984.002.54

AUTHOR: <sup>44.55</sup>Shofman, L. A.; <sup>44.55</sup>Gedymin, Yu. Yu.; <sup>44.55</sup>Rozhkov, V. M.; <sup>44.55</sup>Starikov, V. S.;

<sup>44.55</sup>Kryuchkov, M. <sup>44.55</sup>Davydov, G. V. <sup>44.55</sup>Akhmetshin, M. <sup>44.55</sup>Kvitnitskiy, A. N.; <sup>44.55</sup>

<sup>44.55</sup>Rogozinskiy, A. A.; <sup>44.55</sup>Feygin, V. I.; <sup>44.55</sup>Yegorov, I. V.; <sup>44.55</sup>Roytberg, L. Kh.; <sup>44.55</sup>Yermanok, M. Z.

<sup>44.55</sup>Rodionov, A. S.

TITLE: Tool for extruding of tubes. Class 49, No. 172602

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 102

TOPIC TAGS: tube, metal tube, tube extrusion, extrusion tool, extrusion press 14

ABSTRACT: This Author Certificate introduces a tool for the extrusion of tubes from solid ingots, i.e., container, mandrel, welding chamber, and die. In order to increase the rigidity of individual tools and ensure their precise position in relation to one another, thereby improving the accuracy of the extruded tubes, the mandrel is rigidly mounted in relation to the container; it carries an internal die and is provided with a central compartment for the ingot. Radial canals connect this compartment with the welding chamber, which is formed between container wall and the mandrel surface. [AZ]

Card 1/2

L 1655-66

ACCESSION NR: AP5021621

①

ASSOCIATION: none

SUBMITTED: 31Jan62

ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 000

ATD PRESS: 4095

Card

2/2

PP

KRYUCHKOV, M.B., agronom

Obtaining consistantly high barley yields. Zemledelie 8  
no.2:69-70 F '60. (MIRA 13:5)  
(Barley)



KRYUCHKOV, M.B., agronom

Organic-mineral granulated fertilizers increase crop yields.  
Zemledelie 25 no.1:74-75 Ja '63. (MIRA 16:4)  
(Field crops—Fertilizers and manures)  
(Plants, Effect of phosphates on)

KRYUCHKOV, Maksim Romanovich, burovoy master; PROKHOROV, Mikhail Fedorovich,  
burovoy master; SAFARALIYEV, Kerim Gadzhimetovich, VAKHSMAN, A.,  
red.; VINOGRADSKAYA, S., tekhn.red.

[Practices of innovators in the petroleum industry of Dagestan]  
Opyt novatorov neftianoi promyshlennosti Dagestana. [Derbent]  
Dagknigoizdat, 1953. 58 p. (MIRA 11:2)

1. Kontora turbinnogo bureniya No.2 tresta Dagneft' (for Kryuchkov,  
Prokhorov). 2. Nachal'nik mekhano-remontnoy bazy turboburov kontory  
turbinnogo bureniya No.2 tresta Dagneft' (for Safaraliyev)  
(Dagestan--Petroleum industry)

KRYUCHKOV, M.V.

~~Two weeks in Poland. Vest, sviasi 17 no.12;31-32 D '57. (MIRA 10:12)~~  
(Poland--Telecommunication)

KRYUCHKOV, M. Ya.

Clinical characteristics of extrabuccal forms of scarlet fever.  
Vop. okhr. materin. dets. 8 no.1:90 '63 (MIRA 17:2)

1. Iz kafedry detskikh infektsionnykh bolezney Omskogo meditsinskogo instituta imeni Kalinina.

KRYUCHKOV, M. Ya.

Clinical characteristics of extrabuccal forms of scarlet fever.  
Gor.zhur. no.12:90 D '63. (MIRA 17:3)

1. Iz kafedry infektsionnykh bolezney Omskogo meditsinskogo in-  
stituta imeni Kalinina.

KRYUCHKOV, M.; KAURKOVSKIY, D.

The advantages of a joint action. Pozh.delo 8 no.11:13  
N '62. (MIRA 15:11)

1. Starshiye inspektora Upravleniya pozharnoy okhrany  
Voronezhskoy oblasti.  
(Voronezh Province—Petroleum industry—Fires and fire  
prevention)

KRYUCHKOV, N.

Cooperation of Mutual Economic Council members in the develop-  
ment of the chemical industry. Vnesh.torg. 29 no.9:16-19  
'59. (MIRA 12:12)  
(Europe, Eastern--Chemical industries)

KRYUCHKOV, N. F.

5546 Kryuchkov, N. F. Prispobleniye dlya kleyneniya melkikh detaley. (Opyt Barnaul'skogo zavoda transp. mashinostroyeniya). M., 1954. 14 s. skhem.; 1 l. chert. 20sm. (M-VO transp. mashinostroyeniya SSSR. Vsesoyuz. proyektno-tekhnol. in-t VPTI. Obmen tekhn. opytom. Vyp. 124). 1000 ekz. B. ts. Avt. ukazan na 3-y s. (54-15032zh) 621.798.7

SO: Knishnaya Letopis' , Vol. 1, 1955



PAVLOV, V.A.; KRYUCHKOV, N.F.; FEDOTOV, I.D.

Temperature dependence of the elasticity modulus of aluminum-magnesium  $\alpha$ -solid solutions. Fiz.met. i metalloved. 3 no.3:555-557 '56. (MIRA 10:3)

1. Institut fiziki metallov Ural'skogo filiala AN SSSR.  
(Aluminum-magnesium alloys)

*KRYUCHKOV, N. F.*

AUTHORS: Pavlov, V. A., and Kryuchkov, N. F., and Fedotov, I. D. 126-2-27/35

TITLE: New peaks of internal friction at low temperatures.  
(Novye piki vnutrennego treniya pri nizkikh temperaturakh).

PERIODICAL: Fizika Metallov i Metallovedeniye, 1957, Vol.5, No.2,  
pp.371-372 (USSR)

ABSTRACT: The internal friction was measured at low temperatures for pure aluminum and an aluminum alloy with 3% magnesium. The internal friction was measured for transverse oscillations with frequencies of the order of 1200 to 1300 c.p.s. using a test set-up described in an earlier paper (Ref.1). The specimens were made in the form of circular rods 200 mm long and 11 mm dia. The measurements have shown that in the temperature range from room temperature down to that of liquid nitrogen two maxima of internal friction exist in the temperature ranges -50 to -90°C and -170 to -180°C respectively. On approaching the temperature of liquid nitrogen, the internal friction increases which indicates the possibility of existence of an internal friction peak at temperatures below -196°C, see Fig.1. The peak of internal friction in the range -170 to -180°C was earlier observed on a number of metals Card 1/3 and was attributed to the movement of dislocations under

New peaks of internal friction at low temperatures. 126-2-27/35

the effect of stresses (Ref.2). The peak of internal friction at  $-50$  to  $-80^{\circ}\text{C}$  and the increased internal friction at  $-196^{\circ}\text{C}$  have been observed for the first time. The obtained internal friction peaks cannot be explained easily by the movement of dislocations since a sufficiently strong dependence is observed of the amplitude of the peaks on the preceding heating temperature. From the obtained data the activation energies were determined of the processes which correspond to the internal friction peaks. For the internal friction peaks at  $-50$  to  $-80^{\circ}\text{C}$  the activation energy equals  $0.5$  eV, for the peak at  $-170$  to  $-180^{\circ}\text{C}$  it equals  $0.14$  eV and for the internal friction in the range of  $-196^{\circ}\text{C}$  it equals about  $0.05$  eV. In accordance with the classification of defects of the crystal lattice according to their mobility (Ref.3), the most likely assumption is that the internal friction peak at  $-50$  to  $-80^{\circ}\text{C}$  corresponds to diffusion of individual vacancies, the peak at  $-170$  to  $-180^{\circ}\text{C}$  corresponds to the diffusion of groups of vacancies and the increased internal friction at  $-196^{\circ}\text{C}$  corresponds to the diffusion of more mobile defects, which may possibly have penetrated into the inter-nodes of the atoms.

Card 2/3

New peaks of internal friction at low temperatures. 126-2-27/35

Attention is drawn to the fact that the total quantity of defects of a crystal lattice in aluminum alloys with magnesium is larger than in pure aluminum. Further investigations will permit obtaining more accurate conceptions on the nature of the peaks of internal friction. The internal friction as a function of the temperature is graphed in Fig.1 for pure aluminum and for an alloy of aluminum with 3% magnesium. There are 1 figure and 3 references, 2 of which are Slavic. (Note: This is a complete translation).

SUBMITTED: July 22, 1957.

ASSOCIATION: Institute of Physics of Metals, Ural Branch of the Ac.Sc. USSR (Institut Fiziki Metallov Ural'skogo Filiala AN SSSR).

AVAILABLE: Library of Congress.

Card 3/3

KRYUCHKOV, N. F.

AUTHORS: Pavlov, V.A., Kryuchkov, N. F., and Fedotov, I. D. 126-2-29/35

TITLE: Temperature dependence of the modulus of elasticity of alloys of nickel with copper. (Temperaturnaya zavisimost' modulya uprugosti splavov nikelya s med'yu).

PERIODICAL: Fizika Metallov i Metallovedeniye, 1957, Vol.5, No.2, pp. 374-376 (USSR)

ABSTRACT: The temperature dependence of the modulus of elasticity of alloys of nickel with copper was investigated for the purpose of studying the character of the changes of the inter-atomic bond forces on changing the concentration of a solid solution. The modulus of elasticity was measured during transverse vibrations of the specimen with a frequency of about 700 c.p.s. on a test rig described in an earlier paper (Ref.1) in the temperature range -196 to +700°C. The measurements at low temperatures were effected inside a specially designed cryostat made of a 600 mm long, 35 mm dia. thick walled copper tube with a 5 mm wide slot at one side of the bottom of the tube. From the outside a copper coil was soldered on for feeding in liquid nitrogen. The tube and the coil were fitted inside a housing filled with thermal insulation. The specimen was suspended in the cryostat on two thin wires

Card 1/4

Temperature dependence of the modulus of elasticity of alloys of  
nickel with copper. 126-2-29/35

which were brought out to the outside through the slot in the tube and were connected to the exciter and to the receiver of the oscillations. The uniformity of the temperature distribution along the specimens was maintained within the limits of  $1^{\circ}\text{C}$ . The specimens were of 7 mm dia. and 200 mm long. The initial materials for preparing the specimens were 99.99% pure electrolytic nickel and electrolytic copper with a total quantity of admixtures not exceeding 0.05% including 0.02% oxygen. The metals were smelted in vacuum of  $10^{-5}$  mm Hg for eliminating gases and then the alloys were produced in a high frequency furnace under vacuum. The ingots were forged into square cross section rods of 14 x 14 mm dia; the pure nickel specimens were annealed in vacuum at  $800^{\circ}\text{C}$ , whilst the alloy specimens were annealed at  $900^{\circ}\text{C}$  for three hours and the same annealing procedure was applied for all the alloys which were used for studying the mechanical properties. The results of the measurements are graphed in Fig.1 where curve 1 expresses the temperature dependence of the modulus of elasticity of the pure nickel, whilst

Card 2/4

Temperature dependence of the modulus of elasticity of alloys of  
nickel with copper. 126-2-29/35

curves 2, 3 and 4 give the same dependence for nickel alloys containing 10, 20 and 40% Cu. The modulus of elasticity was measured without applying a magnetic field and, therefore, the defect of the modulus caused by magnetostriction phenomena is clearly pronounced. The temperature dependence of the modulus of elasticity for pure nickel is in good agreement with the results of measurements published by Köster, W. (Ref.2). It can be seen from the graph that the modulus of elasticity falls monotonously with increasing concentration of the copper in the solid solution throughout the investigated temperature range. This is in agreement with the results of X-ray investigations of the characteristic temperature carried out on the same alloy by Noskova, N. I., and Pavlov, V. A., (to be published in the same journal). Fukuroi, T., and Shibya, J., (Ref.4) observed a non-monotonous change of the modulus of elasticity as a function of the copper concentration, namely, that the modulus increased somewhat in the range of concentrations of 30 to 40% Cu. In alloys of nickel with copper, a nonuniform distribution of the copper atoms in the volume of the solid

Card 3/4

Temperature dependence of the modulus of elasticity of alloys of  
nickel with copper. 126-2-29/35

solution can take place (Ref.5). Certain changes in the modulus of elasticity, which depend on the preliminary thermo-mechanical treatment of the alloys, may be due to this phenomenon. In the here described case all the alloys were annealed at a sufficiently high temperature and the non-uniform distribution of the atoms in the solid solution was apparently little pronounced. For such alloys it is of interest to investigate the dependence of the modulus of elasticity on the thermomechanical treatment. There are 1 figure and 5 references, 2 of which are Slavic.

(Note: This is a complete translation).

SUBMITTED: July 25, 1957.

ASSOCIATION: Institute of Physics of Metals, Ural Branch of the  
Ac.Sc. USSR. (Institut Fiziki Metallov Ural'skogo Filiala  
AN SSSR).

AVAILABLE: Library of Congress.

Card 4/4



KRYUCHKOV, N.I., inzh.

Reconditioning friction clutch blocks of the E-652 and E-352  
excavators. Mekh. stroi. 19 no.10:28 0 '62. (MIRA 15:12)  
(Excavating machinery--Equipment and supplies)

KRYUCHKOV, N. I.; CHEREPANOV, M. N.

"Changes in peat incurred in preparing it for use and storage for repeated use."

Report submitted for the 2nd International Peat Congress, Leningrad, 15-22 Aug 63.

KRYUCHKOV, N.N.

Improvement of the physical and mechanical properties of glass  
plastics in the state by a special treatment of glass fibers. Plast.  
massy no.1:31-34 '61. (MIRA 14:2)  
(Glass reinforced plastics) (Glass fibers) (Adhesion)

36150  
S/191/62/000/004/009/017  
B110/B138

15.8350

AUTHORS: Bronshteyn, Z. I., Kryuchkov, N. N., Krichevskaya, M. N.  
TITLE: Chemical processing of glass cloth with the organosilicon ester GVS-9 (GVS-9)  
PERIODICAL: Plasticheskiye massy, no. 4, 1962, 27-32

TEXT: The best finishing agent for glass textiles and optimum technical and thermochemical methods of processing glass plastics were determined. The binding agents were polyester resin ПН-1 (PN-1) and GVS-9 and glass cloth АСТТ (:) - С<sub>2</sub> (ASTT(b) - S<sub>2</sub>) (satin 8/3) reinforcement. Efficiency was determined from the decrease in the tensile strength in bending of glass plastics after 2-hr boiling in water. Lubricant content was 0.1%. The hardener was 3% isopropyl benzene hydroperoxide, and the accelerator was 8% styrene solution of 10% Co naphthenate. Hardening took two hours at 80°C. Treatment with the organosilicon product GVS-9 yielded best strength values before and after two hours of boiling. GVS-9 hydrolyzes as follows:  
$$RSiX_3 + 3H_2O \longrightarrow RSi(OH)_3 + 3HX.$$
 NH<sub>4</sub>OH addition accelerates formation of

Card 1/3

X

Chemical processing of glass...

S/191/62/000/004/009/017  
B110/B138

silanoles which are capable of polycondensation with siloxane bond formation. The forming siloxane shell may be bound to the Si-OH groups of the glass surface or adsorbed on it by water molecules. The bond with the resin is formed according to the vinyl group. The effect of the pH of the medium, concentration of the GVS-9 solution, and degree of adhesion between substance and glass cloth, etc. was examined, to find optimum processing conditions for the efficiency of the finishing agent. The solutions rendered acid (pH = 1-2) by HCl separation, were neutralized with  $NH_3$ . The strength remained constant up to pH  $\sim 8$ . At pH = 8-9.5 it increased and then remained constant. After 2-hr boiling it increased up to pH = 9 and then remained constant. The pH dependence of the strength decrease passed through a minimum at pH = 9-9.5. For optimum pH, 9-9.5, 10% (of the amount of GVS-9) of a 25%  $NH_4OH$  solution must be added. The concentration dependence of strength has two maxima at 1 and 5%. Although 5% concentration is the optimum, a 1% concentration can also be used, to reduce costs. The degree of fixing of the finishing agent depends on time/temperature conditions, i.e. those which provide for a chemical reaction between silanoles and glass and the formation of a polymer

Card 2/3

X

Chemical processing of glass...

S/191/62/000/004/002/017  
B110/B136

siloxane layer on the glass fiber. In both moist and dry states strength drops as processing time increases. 20 min at 140-160°C, which means that the glass cloth must move 1.2 m/min, was found to be the optimum. If the impregnation is prolonged and intensified efficiency also rises. It is suggested that impregnation should be done in two tanks at 1.2-2.4 m/min. The VNIISV unit developed by M. S. Gel'bras, is used in the industry. The glass cloth travels from the top to the bottom of an electric furnace, the temperature of which is regulated to fit the structure of the fabric (satin weave: 1st section: 200°C, 2nd section: 320°C, 3rd section: 320°C). From the electric furnace it passes into the dipping machine, where it is impregnated with 5% aqueous solution of GVS-9 with 10% NH<sub>4</sub>OH, then dried for 20 min at 145±5°C. Satin 8/3 [ASTT(b)-S<sub>2</sub>-0] impregnated with GVS-9 satisfies shipbuilding requirements.

Comparative tests with ASTT(b)-S<sub>2</sub>-0 impregnated with PN-1 and GVS-9, and the English fabric 181 impregnated with Haran showed that the Soviet finishing agent GVS-9 was as efficient as the British. There are 5 figures and 4 tables. The most important English-language reference reads as follows: B. Vanderbilt, Modern Plastics, 37, no. 1 (1959).  
Card 3/3

X

ACCESSION NR: AP4039946

8/0191/64/000/006/0035/0039

AUTHOR: Bronshteyn, Z. I.; Kryuchkov, N. N.

TITLE: Effect of the conditions of storing glass cloth, sized with product GVS-9, on its strength and on the properties of the polyester fiberglass based thereon.

SOURCE: Plasticheskiye massy\*, no. 6, 1964, 35-39

TOPIC TAGS: glass cloth, sizing, GVS 9 sizing, storage condition, polyester fiber-glass, property, paraffin emulsion lubricated glasscloth, delubricated glass cloth, accelerated test method, chemical treatment, tensile strength, bending strength, compression strength

ABSTRACT: The properties of glass cloth (treated with product GVS-9, or lubricated with a paraffin emulsion, or delubricated), and of polyester fiberglass prepared from these variously treated glass cloths, were determined after storing under different conditions. An accelerated method for evaluating the effect of the chemical treatment of glass cloth was also evaluated. Glass cloth ASTT(b)-S<sub>2</sub> and polyester resin FN-1 were used in these evaluations. The tensile strength of GVS-9 treated glass cloth continuously increased with increased time in water,

Card 1/3

ACCESSION NR: AP4039946

reaching values exceeding initial strength by 40-50% along the warp and 15-20% along the weft. The bending strength, under wet or dry conditions, of polyester fiberglass from this cloth did not change regardless of the time in water. The strength of the lubricated glass cloth did not change much after long water soaking, but the bend strength of the fiberglass decreased 30% after soaking 1 month in water. With longer soaking and with washing out the antiadhesive lubricant, the bend strength of the fiberglass increased, and in 3 months reached the strength of fiberglass made of original glass cloth. The bend, tensile and compression strengths of polyester fiberglass based on the GVS-9 treated glass cloth are greater than for fiberglass made of the paraffin emulsion, lubricated, or of de-lubricated glass cloths. The accelerated method (boiling 2 hours in water) of testing fiberglass reliably characterized normal testing under atmospheric conditions for 1 year, but provided only orienting values when comparing the normal testing in water. The strength of fiberglass in sea water for 1 year was lower than indicated by the accelerated method, while dielectric characteristics of fiberglass in water for 30 days were higher than attained by boiling in water for 2 hours. Orig. art. has: 2 tables and 6 figures.

ASSOCIATION: None

Card 2/3



CHERNYAK, M.G.; ASLANOVA, M.S.; VOL'SKAYA, S.Z.; KUTUKOV, S.S.;  
SIMAKOV, D.P.; NAYDUS, G.G.; BOVKUNENKO, A.N.; KOVALEV, N.N.;  
SHKOL'NIKOV, Ya.A.; ZHIVOV, L.G.; KOVALEV, N.P.; KOZHUKHOVA,  
N.V.; KOROLEVA, A.Ye.; VINOGRADOVA, A.M.; OSIPOVA, O.M.;  
BADALOVA, E.I.; BRONSHTEYN, Z.I.; L'VOV, B.S.; KRYUCHKOV,  
N.N.; BLOKH, K.I.; MASHINSKAYA, N.I., red.

[Continuous filament glass fibers; technology fundamentals  
and their properties] Nepreryvnoe stekliamoe volokno; osnovy  
tekhnologii i svoistva. Moskva, Khimiya, 1965. 319 p.

(MIRA 18:8)

KRYUCHKOVA, N.P.; NEVRAYEV, G.A.; CHEREPANOVA, M.N.

International Congress on Peat. Vop. kur., fizioter. i lech.  
kul't. 29 no.1:89-91 '64. (MIRA 17:9)

BRICHKOV, N. V.

"Economic problems in housing." In symposium: Voprosy kommunal. khoz-va, Moscow-Leningrad, 1949, p. 4-9

SO: U-3850, 16, June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

82500

S/040/60/024/04/18/023  
C 111/ C 333

12.1500

AUTHOR: Kryuchkov, N. V. (Moscow)

16 9

TITLE: Investigation of a Property of the Nonlinear Equations of Control Systems in the Case of Multiple Roots With Application of the Theory of Matrices

PERIODICAL: Pribladnaya matematika i mekhanika, 1960, Vol. 24, No. 4, pp. 749-754

TEXT: The paper is a generalization of a method from (Ref.1). The author considers the reduction of the equations of an automatic control system without auxiliary energy to a canonical form, in which the nonlinear manipulated variable occurs with the coefficients 0 and 1. If the matrix of coefficients of the initial system has a multiple characteristic number, then the order of the canonical system can be smaller than the order of the initial system. In this case does not always follow the stability of the initial system from the stability of the canonical system; but the instability of the initial system follows from the instability of the canonical system. The author gives a method which allows to obtain the solutions of one system from the solutions of the

Card 1/2