

ORLBERYEV, V. . ., SHVETSOV, Ya.F.; NEKLISSA, N. . .; SVETLINA, I. . .; IRONIN, I.A.

Studying the immunogenetic properties of the virus of Foot-and-mouth disease and Foot-and-mouth disease vaccines using adult white mice. Veterinarnye zapiski 1965, 64:34-36 My '65.

(MIRA 18:6)

1. Vsesoyuznyy nauchnoissledovatel'skiy yashennyy institut.

USSR

ONUPRIYEV, V. P., SHVETSOV, Yu. F., DUDNIKOV, A. I., PRONIN, I. A., ZAKHAROV, V. M., and Kravets, I. K., All-Union Scientific Research Institute of Foot-and-Mouth Disease, USSR

"Effect of Immune Serum on the Formation of Active Immunity to Foot-and-Mouth Disease"

Sofia, Veterinarna Sbirka, Vol 63, No 11, pp 5-9

Abstract: Immune serum is used to produce passive immunity in cattle in regions in which foot-and-mouth disease occurs. The effect of preceding administration of immune serum on the formation of active immunity upon injection of live virus of type 0 was tested on mice. The immune serum was derived from cattle that had recovered from foot-and-mouth disease after infection with type 0 virus. It was established that administration of the immune serum to the mice 5-7 days before immunization with live virus prevented formation of active immunity in them, while administration of the immune serum 10, 15, 20, or 30 days before immunization with the virus had no effect on the development of active immunity. On administration of immune serum to the mice, the passive immunity persisted for 7 days. Tables.

1/1

EFENDIYEVA, F.M.; SHAKHNAZAROV, B.B.; KRAVETS, I.L.; KOCHERGINA, Ye.K.

Effectiveness of electrophoresis of novocaine combined with ascorbic acid in treating cerebral atherosclerosis. Vop. kur., fizioter. i lech. fiz. kult'. 30 no.3:206-209 My-Je '65.
(MIRA 18:12)

1. Azerbaydzhanskiy institut kurortologii i fizicheskikh metodov lecheniya imeni S.M. Kirova, Baku. Submitted April 24, 1963.

BAKAYEV, I.I., prof.; KOCHEROVA, Ye.K.; KRAVETS, I.L.

Effect of nitro bases of Maftalan petroleum on experimental
katalase and peroxidase activity in the blood. Sber. trud.
Sberb. nauch.-issl. inst. kur. i fiz. metod. lech. no.9:
32-35 '69. (MIRA 18:8)

KARAYEV, A.I.; BABAYEV, A.Z.; KRAVETS, I.I.

Effect of irritation of receptors of the rectum on the activity
of carbonic anhydrase of the blood. Izv.AN Azerb.SSR no.5:43-50
My '55. (MLRA 9:5)
(RECEPTORS (NEUROLOGY)) (CARBONIC ANHYDRASE) (BLOOD)

KUDEL'SKIY, L.A., podpolkovnik meditsinskoy sluzhby; KRAVETS, I.M.,
kapitan meditsinskoy sluzhby

Organization of rest in sanatoria for submarine personnel at a
base. Voen.-med. zhur. no. 6:52-53 Je '60. (MIRA 13:7)
(MEDICINE, NAVAL)

KRAVETS, I.N. ; KUDRYAVTSEV, P.S., redaktor; PETRUKHIN, I.S., redaktor;
~~ASTAF'YEVA, G.A., tekhnicheskiiy redaktor.~~

[T.F.Osipovskii, outstanding Russian scientist and thinker]
T.F.Osipovskii - vydaiushchiisia russkii uchenyi i myalitel'.
Moskva, Izd-vo Akademii nauk SSSR, 1955. 102 p. (MLBA 8:7)
(Osipovskii, Tinoferi Fedorovich, 1765-1832)

SOV-107-58-4-13/57

AUTHOR: Kochnev, V. Engineer; Kravets, K. Amateur Radio Master

TITLE: Don't Rest on Your Laurels (Ne uspokaivat'sya na dostignutem)

PERIODICAL: Radio, 1958, Nr 4, p 12 (USSR)

ABSTRACT: The article deals with the success of the Ufa radio club (RA9KWA) in the 1957 Second All-Union VHF "Field Day" competitions, for the "Radio" prize. The team took first prize and club members walked off with first, second and third prizes in individual events.
There is 1 photo.

ASSOCIATION: Ufimskiy radioklub (Ufa Radio Club)

1. Radio--USSR 2. Radio awards--USSR

Card 1/1

KOROTENKO, G.P.; KRAVETS, K.N.

Ascariasis and trichocephalosis in patients with pathology
of the gastrointestinal tract. Med. parazit. parazit. 34
no.4:417-419 Ji-Ag '65. (MIRA 18:12)

1. Kafedra obshchey terapii Ivano-Frankovskogo meditsinskogo
instituta. Submitted July, 1964.

KRAVCHEN, I. I.

Chemical reagents for quantitative determination of proteins in
urine and other fluids. Lab. data no. 9-553 '64.

(MTRA 17/12)

1. 2-ye bol'nitsa Sheleznoderezhnogo rayona (glavnyy vrach O.Ye.
Belentakova), Ryev.

FRAY, Dzheymy [Fry, James C.], general-mayor armii SShA; KVASYUK, I.V.
[translator]; SAKHAROV, N.I. [translator]; KRAVETS, L.G., red.;
ANIKINA, R.F., tekhn.red.

[Assault battle drill] Obuchenie deistviyam v nastupatel'nom
boiu. Moskva, Voen.izd-vo M-va obor.SSSR, 1958. 126 p.
Translated from the English. (MIRA 13:4)
(Infantry drill and tactics)

SUDZILOVSKIY, G.A., dotsent, kand.filologicheskikh nauk, KRAVETS, L.G., red.;
KOZYRINA, L.A., red.; ANIKINA, P.F., tekhn.red.

[English-Russian military dictionary of terms referring to rear areas
and supplies]. Anglo-russkii voennyi slovar' terminov po tylu i
snabzheniiu. Okolo 25000 terminov i sochetanii. Moskva, Voen.
izd-vo M-va obor. SSSR, 1958, 449 p. (MIRA 11:9)

(English language--Dictionaries--Russian)
(Military art and science--Dictionaries)

KRAVETS, L.G.

Quantitative analysis of the terminological facility of a
vocabulary. NTI no.2:27-29 '55. (MIRA 18:6)

KRAVETS, L.G.

Analyzing the structure of word combinations in English
scientific and technological texts. NTI no.10:39-41 '63.
(MIRA 17:1)

TITOV, N.V., inzh.; KRAVETS, L.M., inzh.

Constructing intermediate halls of subway stations. Transp, stroi. 9
no.6:32-34 Jo '59. (MIRA 12:11)

(Kiev--Subways)

L 4206J-65 EWT(m)/EWP(t)/EMP(b) IJP(c) JD

ACCESSION NR: AP5010908

UR/0286/65/000/007/0096/0096

AUTHORS: Aleksyevskaya, Ye. K.; Nechayev, B. A.; Golovanov, N. N.; Shub, I. Ye.
Novikov, A. N.; Kravets, L. V.

TITLE: A ceramic coating for making casting molds by melting patterns of chemically active metals. Class 31, No. 169762

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 96

TOPIC TAGS: ceramic coating, casting, molding material, magnesite, olivine, foreterite

ABSTRACT: This Author Certificate presents a ceramic coating for making casting molds by melting patterns of chemically active metals. To obtain castings without sand burning pickup, the filler is made up of materials with basic properties, such as magnesite, olivine, foreterite, and 15-30% of binder for the casting sand.

ASSOCIATION: none

SUBMITTED: 01Jul63

ENCL: 00

SUB CODE: MT, MM

NO REF SOV: 000

OTHER: 000

am
Card 1/1

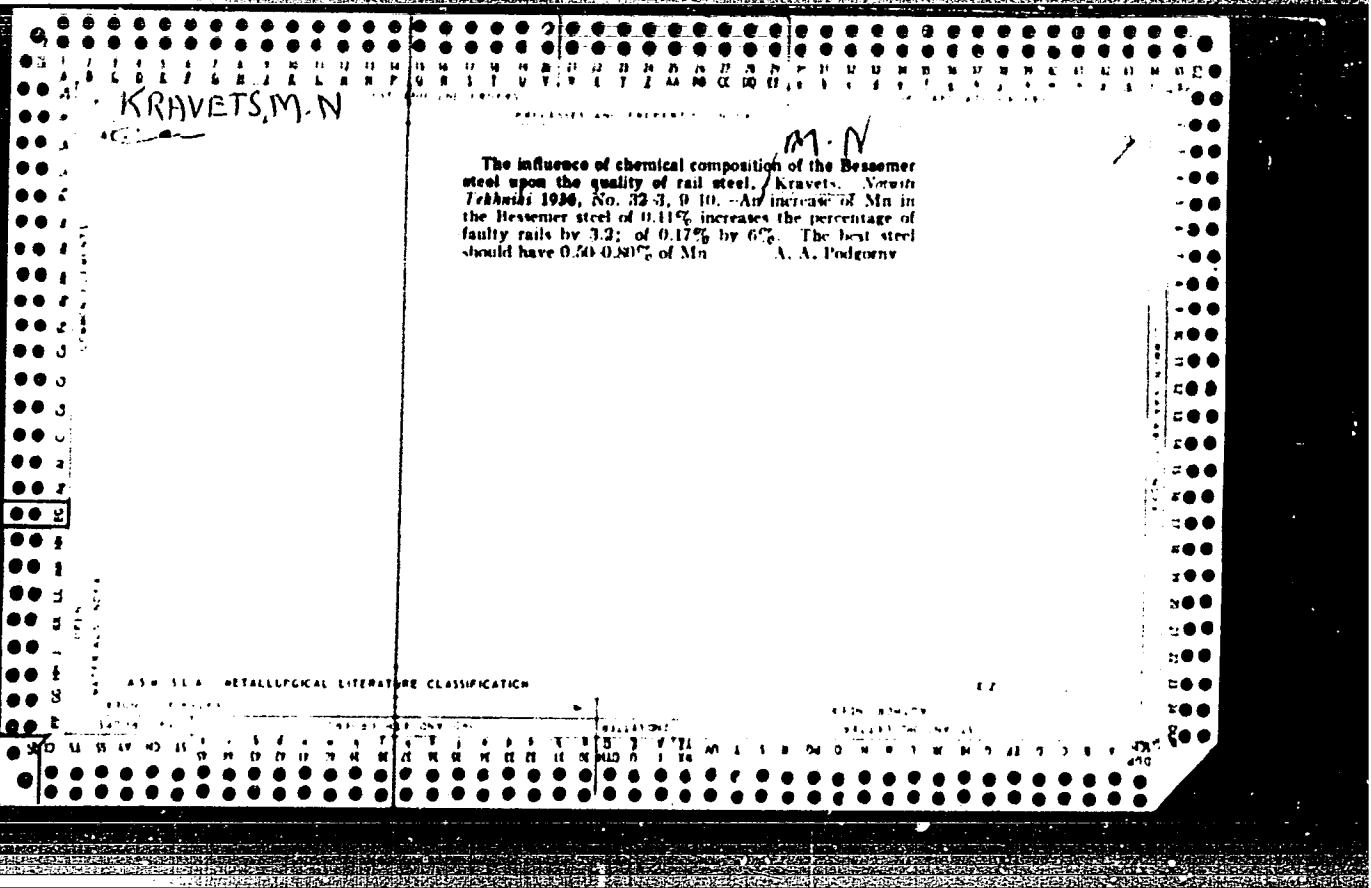
NOVIKOV, A.N.; KRAVETS, L.V.

Peculiarities of resin dolomite refractories. Ogneupory
30 no.4:44-46 '65. (MIRA 18:6)

1. Vsesoyuznyy institut ogneuporov.

KRAVETS, M.A., inzh.; ELYUKIM, S.B.

Optimal vertical planning of a territory. Prom.stroi. 43
no.12:40-41 '65. (MIRA 18:12)



KRAVETS, M.N.

7

Influence of the Composition of Bessemer Iron on the Quality of Rail Steel. M. Kravets and N. Stupar. (Stal, 1940, No. 8, pp. 15-17). (In Russian). High manganese contents (above 0.9%) in the iron were found to have a detrimental effect on the quality of the Bessemer steel rails produced from the iron. It increased the proportion of rejects due to tears and skin defects. This influence of manganese is ascribed to certain effects it has on the behaviour of the iron in the converter. This, and possibly also the increased absorption of nitrogen, also explain why manganese increases the brittleness of the steel. High manganese contents are particularly undesirable when associated with high silicon contents. The optimum manganese content of the iron is 0.50-0.70%. The influence of silicon in increasing the brittleness of the steel was not definitely confirmed.

ASB-11.6 METALLURGICAL LITERATURE CLASSIFICATION

3204 530 02194

187005 41

102283 447 049 046

RELATIONS

11111 41111

RELATIONS

KRAVETS, M. N.

Deoxidation and teeming Bessemer rail steel. M. N. Kravets, O. N. Kostenetski, and Ya. G. Buzdakov (Petrovskii Plant). Stal' 15, 513-20(1955). Different deoxidation practices were tried in connection with the elimination of white spots in the lower portions of bottom cast ingots. The latter were found to be caused by layers of steel solidified on the wall of the pouring funnel and carried by the stream into the molds. Al deoxidation was selected as leading to the least amt. of defects, 60 g./ton being added to the ladle and 70 g./ton to the stream. J. D. Gat

(2)

of
MET

Kravets, M.N.

AUTHOR: Kravets, M.N., Engineer.

133-1-10/24

TITLE: An Improvement in the Technology of Teeming Steel
(Usovershenstvovaniye tekhnologii razlivki stali)

PERIODICAL: Stal', 1958, No.1, pp. 40 - 42 (USSR).

ABSTRACT: Measures taken on the above works to decrease the proportion of defective rails caused by defects in ingots are described. In 1955, with the introduction of teeming ingots at higher rates the quality of the rail steel deteriorated (Table 1). In view of the above, the influence of the following factors on the quality of steel was studied: velocity of teeming, changes in the profile of ingots (decreasing the radius of corners from the initial 80 mm to 60 and then to 40 mm) and the influence of coating ingot moulds. It was established that the deciding condition for obtaining comparatively clean ingots is a decrease in the viscosity of liquid metal during teeming. On bottom teeming of killed rail steel at a temperature of 1 470 - 1 490 °C through a nozzle 46 - 47 mm diameter a high quality of metal can be obtained (with a yield of first-quality rails of 85 - 90%). The control of the velocity of pouring during the initial filling of the mould depending on the temperature and the behaviour of metal in the mould permit a considerable improvement in the metal

Card 1/2

An Improvement in the Technology of Teeming Steel

133-1-10/24

quality; the slower the bottom of the mould is filled, the less defects appear in rails (Tables 2 and 3). The dependence of the appearance of longitudinal cracks in rails on the diameter of the teeming nozzle and the radius of the mould corners is shown in Fig.1. The appearance of defects in rails is considerably decreased with careful coating of the mould at a temperature of 60 - 80 °C. In order to decrease the proportion of defective rails (due to cracks) it is necessary to decrease the velocity of pouring (using a nozzle of 46 - 47 mm dia.) and to decrease the diameter of the mould corners. There are 4 tables and 1 figure.

ASSOCIATION: Plant imeni Petrovskiy (Zavod im. Petrovskogo)

AVAILABLE: Library of Congress

Card 2/2

M.N.

132-2-11/19

AUTHORS: Katsnel'son, G.M. and Kravets, M.N. (Engineers)

TITLE: Prevention of Sticking of Sheets of Low Carbon Steel by an Addition of Chromium (Predotvrasneneniye slipaniya listov malouglerodistoy stali prisadkoy khroma)

PERIODICAL: Stal', 1958, Nr 2, pp.156-158 (USSR)

ABSTRACT: It was established in the above works that sticking (welding) of sheets from low carbon steel during rolling on hot rolls in packettes depends to a large extent on the content of the individual elements (within the limits of standards). In particular increasing chromium content to the upper limit (0.30%) promotes the formation of scale, noticeably differing from the scale usual for low carbon steel in respect of strength of adherence to sheets. It was found that this property of the scale decreases the tendency of sheets to sticking considerably. The influence of the contents of chromium, phosphorus, $\sum(C + 0.25 Mn)$ and

$$\frac{Cr + 10 P}{\sum(C + 0.25 Mn)} \text{ on the proportion of defective sheets}$$

due to sticking is shown in Figs. 1, 2, 3 and 4 respectively. During smelting and teeming of rimming steel with

Card 1/2

133-2-11/19

Prevention of Sticking of Sheets of Low Carbon Steel by an Addition of Chromium.

chromium additions, a strict maintenance of technological conditions securing normal boiling of metal in moulds is necessary. The content of sulphur below 0.04% improves boiling and the structure of the ingot head. With increasing chromium content to the upper limit (0.03%) permitted by GOST 380-50 in order to maintain normal boiling of steel the content of manganese should be kept at the lower limit. In order to decrease chromium losses it is advantageous to add ferrochromium to the ladle. An increase in the phosphorus content to the upper limit decreases the tendency of thin sheets to sticking during rolling in packettes. As an index of the tendency of metal to welding on rolling the following expression can be used:

$$\frac{\text{Cr} + 10 \text{ P}}{\sum (\text{C} + 0.25 \text{ Mn})}$$
 which should

not be lower than 2. There are 4 figures.

ASSOCIATION: Works imeni Petrovskiy (Zavod im. Petrovskogo)

AVAILABLE: Library of Congress.

Card 2/2

KRAVETS, M.V.

Significance of enlarged photographs in the diagnosis of anthraco-
silicosis. Sbor. nauch. trud. Rost. gos. med. inst. no.22;131-132
'63.

Determination of the function of external respiration in anthraco-
silicosis using the method of large-photograph fluorography. Ibid.;
133-134 (MIRA 18:7)

1. Iz kafedry rentgenologii i radiologii Rostovskogo gosudarstvennogo
meditsinskogo instituta (zav. - prof. A.I.Dombrovskiy).

KRAVETS, M.V.

Macrocentgenography (enlarged photographs) in the diagnosis of
anthracosilicosis. Vest. rent. i rad. 36 no.5:62 S-0 '61.

(MIRA 15:1)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. A.I.Dombrovskiy)
Rostovskogo-na-Donu meditsinskogo instituta (dir. - prof. P:P.Kovalenko).
(LUNGS—DISEASES) (DIAGNOSIS, RADIOSCOPIC)

L 45854-66

ACC NR: AP6020359

(A)

SOURCE CODE: UR/0104/66/000/003/0083/0084

AUTHOR: Kholyan, A. M. (Engineer); Elyukim, S. B. (Engineer); Onuchin, V. Ya. (Engineer); Kravets, M. A. (Engineer)

ORG: None

TITLE: Application of computer for designing cable raceways

SOURCE: Elektrichoskiye stantsii, no. 3, 1966, 83-84

TOPIC TAGS: ^{circuit design, computer calculation} electric engineering, electric cable, electric network, electronic computer / M-20 electronic computer

ABSTRACT: Application of electronic computers to wiring design and circuit calculations is discussed in connection with a paper published by the Ural Branch of the Teploelektroproyekt Institute. The paper in question deals with design considerations and economics of wiring raceway systems used at electric power plants for auxiliary power circuits. An electronic computer of M-20 type was used by the Institute for circuit and conductor calculations on the basis of layouts providing information on cable raceways, cable crossings, junctions, riser columns, interconnections, etc. Numbers were assigned to each raceway, column, connection and special tabular graphs were prepared. The mathematical aspect of calculations is discussed by the authors and some examples of using graphs are explained. Various versions for economical cable laying (shortest distance, cable weight) are briefly examined. The results obtained in cable raceway calculations include the cable length, panel number, consumer number and interconnection numbers.

SUB CODE: 09/ SUBM DATE: None

12
Card 1/1

UDC: 621.315.29

KRAVETS, N.L.

USSR / Zooparasitology - Parasitic Worms

G-3

Abs Jour: Referat. Zh. Biol., No. 1, 1958, 857

Author : Kravets, N.L., Fedorova, V.I.

Title : Intensive Invasion by Hog Tapeworm

Orig Pub: Sov. meditsina, 1957, No. 3, 130-131

Abstract: A case of removal by vermifuge of 104 heads of hog tapeworm and strobila with a total length of 128 m (450 g).

Card 1/1

KRAVETS, N. P.

"Oxygen Therapy Against Ascariidosis." *Cand Med Sci, Stanislav State Medical Inst, Stanislav State Medical Inst, Stanislav, 1953. (RZhBiol, No 4, Oct 54)*

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

KRAVETS, N.P.

Effect of oxygen on gastric secretion, morphological blood content,
blood pressure, respiration, and pulse. *Med. parazit . Moskva no.3:*
257-260 *May-June 1953.* (GIML 25:1)

1. Of Stanislav Oblast Anti-Malarial Station (Head -- T. I. Yunosheva).

KRAVETS, N.P.

Intragastric pressure during the introduction of oxygen and its passage through the gastrointestinal tract. Med.paraz.i paraz.bol. no.5:410-412 S-0 '59. (MLBA 6:12)

1. Iz Stanislavskoy oblastnoy protivomalyariynoy stantsii (zaveduyushchiy - T.I.Yunosheva). (Digestive organs) (Oxygen--Therapeutic use)

KRAVETS, N.P.

KRAVETS, N.P., kandidat meditsinskikh nauk (Stanislav)

Vibration phenomenon and its importance in the diagnosis of certain diseases of the lungs and pleura. Klin. med. 32 no.12:75-77 D '54.

(MLRA 8:3)

1. Iz terapevticheskogo otdeleniya (Nauchnyy rukovoditel' doktor med. nauk Ya.B.Borin) Stanislavskoy oblastnoi klinicheskoy bol'nitsy.

(LUNGS, diseases

diag., vibration phenomenon in)

(PLEURA, diseases

diag., vibration phenomenon in)

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Kravets, N.P.

KRAVETS, N.P.

Toxicity of oxygen for ascarids of swine. Med. paras. i paras. bol.
supplement to no. 1:67 '57. (MIRA 11:1)

1. Is Stanislavskoy oblastnoy protivomalyariynoy stantsii.
(OXYGEN--PHYSIOLOGICAL EFFECT)
(ASCARIDS AND ASCARIASIS)

KRAVETS, D.P.

Two cases of sudden death due to bee sting. Vrach.delo n.9:981
S '57. (MLBA 10:9)

1. Kafedra obshchey terapii (i.o.zav. - kandidat meditsinskikh
nauk N.P.Kravets) Stanislavskogo meditsinskogo instituta
(VENOM--PHYSIOLOGICAL EFFECT)

KRAVETS, N.P. ; YEDOROVA, V.I.

Intensive invasion by *Taenia solium*, Sov.med. 21 no.3:130-131
Mr '57. (MLRA 10:7)

1. Iz kafedry obshchey terapii (i.o. zav. - kandidat meditsinskikh nauk N.P.Kravets) Stanislavskogo meditsinskogo instituta (dir. - kandidat meditsinskikh nauk G.A.Babenko) i Stanislavskoy oblastnoy sanitarno-epidemiologicheskoy stantsii (zav. A.B.Petrushevskiy)
(TAPLWORM INFECTION, case reports
Taenia solium in family)

KRAVETS, N.P.

Toxic effect of oxygen on *Ascaris suis* [with summary in English].
Biul. eksp. biol. i med. 43 no.1:85-88 Ja '57. (MLRA 10:8)

1. Iz Stanislavskoy oblastnoy protivomalyariynoy stantsii (sav.
T.I. Yunosheva). Predstavlena akademikom Ye.N. Pavlovskim.

(ASCARIS,

lumbricoides, tox. eff. of oxygen (Rus))

(OXYGEN, effects,

on *Ascaris lumbricoides* (Rus))

KRAVETS, N.P.

Development of skin cancer at the site of a leech attachment.
Vrach.dolo no.6:633-635 Je '58 (MIRA 11:7)

1. Kafedra obshchey terapii (zav. - dotsent N.P. Kravets) Stanislav-
skogo meditsinskogo insitututa.
(SKIN-- CANCER)

KRAVETS, N.P., (Stanislav)

An unusual case of injury from lightning. Klin.med. 36 no.4:129
Ap'58 (MIRA 11:5)

1. Iz kafedry obshchey terapii (i.o. zav.kafedroy - dotsent
N.P. Kravets) Stanislavskogo meditsinskogo instituta (dir. -
kand.med. nauk G.A. Babenko)
(LIGHTNING, inj.eff.
unusual case (Rus))

KRAVETS, N.P.

Determination of the edema formation of panniculus adiposus
and muscles. Klin.med. 38 no.1:91-94 Ja '60. (MIRA 13:10)
(EDEMA) (MUSCLES--DISEASES)

KRAVETS, N. P.

Action on helminths in locc. Vrach. delo no. 6:115-119 Je '62.

1. Kafedra obshchey terapii (zav. -- dotsent N. P. Kravets)
Stanislavskogo meditsinskogo instituta.

(WORMS, INTESTINAL AND PARASITIC)

KRAVETS, N.P.

Trichocephaliasis and its treatment in tuberculous patients.
Sov. Med. 26 no.9:116-118 S '62. (MIRA 17:4)

1. Iz kafedry obshchey terapii (zav. - dotsent N.P. Kravets)
Stanislavskogo meditsinskogo instituta (dir. - dotsent G.A.
Babenko).

KRAVETS, N.P.

Clinical aspects of trichocephaliasis. Med. paraz. i paraz.
bol. 32 no.4:400-405 J1-Ag '63. (MIRA 17:8)

1. Klinika obshchey terapii (zav. - dotsent N.P. Kravets)
Stanislavskogo meditsinskogo instituta (dir. - dltsent G.A.
Babenko).

VLADYCHIN, I.V.; KRAVETS, N.P.

Oxygen therapy in ascariasis late at night. Med. paraz. i paraz.
bol. 32 no.5:624 S-0'63 (MIRA 16:12)

1. Iz kafedry obshchey terapii (zav. - dotsent N.P.Kravets)
Ivano-Frankovskogo meditsinskogo instituta (rektor- dotsent
G.A.Babenko).

KHAVETS, N.P.

Treatment of trichoccephalosis with preparations in colloidal
gelatin capsules. Trudy Ukr. resp. nauch. ob-va para2.no.2:
105-115 '63 (MIRA 17:3)
1. Ivano-Frankovskiy meditsinskiy institut.

ARZHANIKH, N.G.; KRAVETS, H.P.

Electrocardiographic changes following the introduction of oxygen into the gastrointestinal tract. *Mod. paraz. i paraz. bol.* 33 no.4: 425-430 J1-Ag '64. (MIRA 18:3)

1. Kafedra obshchey terapii Stanislavskogo meditsinskogo instituta.

KRAVETS, O.

Finish of a "racing driver." Za bezop.dvizh. 4 no.5:13 My '62.
(MIRA 15:7)

1. Inspektor 13-go otdeleniya Otdela regulirovaniya ulichnogo
dvizheniya Gosudarstvennoy avtomobil'noy inspeksii.
(Drinking and traffic accidents)

KRAVETS, O.A., inzh.

Automation of water supply. Mekh. i avtom. proizv. 17 no.8;
8-9 Ag '63. (MIRA 16:10)

KRAVETS, P., kapitan; AKSYUTIN, L., starshiy prepodavatel'; TOPALOV, V.,
aspirant

Operating the practical training ship "Gorizont." Mer. flot
24 no.2:37 F '64. (MIRA 18:12)

1. Uchebno-proizvodstvennoye sudno "Gorizont" (for Kravets).
2. Odesskoye vyssheye inzhenernoye morskoye uchilishche (for
Aksyutin, Topalov).

KRAVETS, P.; VASIL'YEV, inzh.

Ship Institute. IUn.tekh. 6 no.3:25-27 Mr '62. (MIRA 15:4)

1. Kapitan korablya-instituta "Gorizont" (for Kravets).
(Navigation--Study and teaching)

KRAVETS, P.; VINNICHENKO, I.

For overfulfilling the plan in the production of high-quality
metal. Metallurg 9 no.1:39 Ja '64 (MIRA 18:1)

MIRGOROD, V.; KRAVETS, P.

Mechanized transportation of sugar beets according to an hour
schedule. Avt. transp. 43 no.9:15-16 S '65. (MIRA 18:9)

1. Tambovskoye avtomobil'noye upravleniye.

KRAVETS, P.; ROLLING (Metalwork)

Disseminate the practices of the progressives among the general mass of workers. Metallurg 8 no.9:39-40 S '63. (MIRA 16:10)

1. Zamestitel' predsedatelya zavodskogo komiteta professional'nogo soyuza rabochikh metallurgicheskoy promyshlennosti Truboprokatnogo zavoda im. Lenina (for Kravets). 2. Zamestitel' predsedatelya proizvodstvenno-massovoy komissii zavodskogo komiteta Truboprokatnogo zavoda im. Lenina (for Vinnichenko).
(Pipe mills) (Rolling (Metalwork))

ACCESSION NR: AP4040426

S/0302/64/0007002/0025/0028

AUTHOR: Sobornikov, Yu. P.; Kravets, P. N.; Yanik, A. F.

TITLE: Capacitance parametrons with pulse-type junction diodes

SOURCE: Avtomatika i priborostroyeniye, no. 2, 1964, 25-28

TOPIC TAGS: semiconductor diode, parametron, capacitance parametron, junction diode, junction diode parametron, digital computer

ABSTRACT: The details of a new design of C-parametron using quick-pulse-response Ge junction diodes are reported. The diodes have a base resistivity of 3-5 ohms and a barrier capacitance of 6-28 pf at -1 v bias; they are used in the simplest self-biased series-supplied circuit which permits a substantial diode-parameter spread. Clock frequencies of 200 and 300 kc are selected for 3-cycle and 2-cycle h-f pumping systems, respectively; the parametrons are intended for industrial computers. A 3-input parametron may have 6 logical couplings (with

Card 1/2

ACCESSION NR: AP4040426

R = 20 kohms); a 5-input parametron, 10 logical couplings. Other details are given. Orig. art. has: 2 figures, 2 formulas, and 1 table.

ASSOCIATION: Institut avtomatiki gosudarstvennogo komiteta po priborostroyeniyu (Institute of Automation, State Committee for Instruments)

SUBMITTED: 00

DATE ACQ: 24Jun64

ENCL: 00

SUB CODE: DP, EC

NO REF SOV: 002

OTHER: 001

Card 2/2

KRAVETS, P.T.

TSUSHKO, V.K.; KRAVETS, P.T.

Belotserkov Agricultural Institute

"The action of penicillin on the agent of swine
erysipelas in vitro."

SO: Vet. 28 (10) 1951, p. 47 (Tab Con)

KLAD'KO, N., kapitan-nastavnik; KRAVETS, S.

Advantageousness of filling tank vessel cofferdams with
water. Mor. flot 20 no. 12:44 D '60. (MIRA 13:12)

1. Chernomorskoye parokhodstvo (for Klad'ko). 2. Starshiy
gruppovoy dispatcher nefteflota Chernomorskogo parokhodstva
(for Kravets). (Tank vessets)

KRAVETS, S.M.

Nonferrous metals should be economized in the manufacture of diesel locomotives. Elek. i tepl. tiaga 6 no.11:44 N '62. (MIRA 16:1)

1. Starshiy inzh.-tehnolog depo Rubtsovka Zapadno-Sibirskoy dorogi.
(Diesel locomotives) (Nonferrous metals)

KAWAT, S. S.

Kawato, S. S. - "Investigation of the So-called Skin Burn in Close Range Shooting
From Tokarev Automatic Pistol." Min of Higher Education USSR, Odessa State Med Inst
Imeni N. I. Pirogov, Odessa, 1955 (Dissertation for Degree of Candidate of Medical
Sciences)

See: Knichnaya Letopis' No. 26, June 1955, Moscow

I. 22963-66 EWT(d)/T/ENP(1) IJP(c) GG/BB

ACC NR: AP6009785

SOURCE CODE: UR/0102/66/000/001/0043/0048

AUTHOR: Imas, L. N. (Kiev); Kravets', T. D.--Kravets, T. D. (Kiev); Khrushchova, N. V.--Khrushcheva, N. V. (Kiev)

ORG: none

37
B

TITLE: "Alpha" system recognizes situations of an external member model

SOURCE: Avtomatyka, no. 1, 1966, 43-48

TOPIC TAGS: recognition system, recognition process, learning mechanism learn-

ABSTRACT: The possibility of using the "alpha" recognition system as a corrector was investigated. In combined control systems having members with external characteristics, corrections of the open loop of the regulator are essential. The research was conducted on an analog model of a member having an open loop with "indentations" on the characteristics, simulated by two forms of curves of the quality index level. The change in situation was simulated by shifting the quality index level curves relative to the open loop of the system. It was shown that the "Alpha" system can recognize situations after learning. Orig. art has: 3 figures and 2 tables. [Based on author's abstract] [NT]

SUB CODE: 09/ SUBM DATE: 14Nov65/ ORIG REF: 003/

Card 1/1

KRAVETS, T. N.

PA 54T93

USSR/Physics
Molecular Structures
Chemistry - Bonds

Jun 1947

"Review of 'Structure of the Molecule,' by M. V. Vol'kenshteyn," T. N. Kravets, 1 1/2 pp

"Vest Akad Nauk SSSR" No 6

Book published in 1947 by Press of Academy of Sciences, USSR, and contains 276 pages divided into eight chapters: 1) Introduction, 2) nature of chemical bond, 3) Geometry of the molecule, 4) chemical bonds and polyatomic molecules, 5) electrical properties of molecules, 6) anisotropy of molecules, 7) spectrum of molecules, and 8) oscillation of poly-

54T93

USSR/Physics (Contd)

Jun 1947

atomic molecules. Praises text highly, stating it is of interest to all students and those working in field of molecules.

54T93

KRAVETS, T.P.

M.V. Lomonosov's 276 notes on physics and corpuscular philosophy.
Trudy Inst. ist. est. 1 tekhn. 22:106-113 '59.

(Lomonosov, Mikhail Vasil'evich, 1711-1765) (MIRA 12:10)

KRAVETS, T.P.

Childhood and youth of Petr Nikolaevich Lebedev. Trudy Inst.
1st.est.1 tekhn. 28:32-44 '59. (MIRA 13:5)
(Lebedev, Petr Nikolaevich, 1866-1912)

L 32673-66 EWT(m)/T/EWP(t)/ETI IJP(e) JD/GD

ACC NR: AT6013570

(N)

SOURCE CODE: UR/0000/65/000/000/0331/0338

AUTHOR: Smushkevich, V. Z.; Kravata, V. A.; Bochek, S. A.

78
77

ORG: Institute of Material Science Problems, AN UkrSSR (Institut problem materialovedeniya AN UkrSSR)

TITLE: Results of the statistical determination of technical parameters for single crystals of silicon carbide to be utilized in production of new types of semiconductor devices

77 27

SOURCE: AN UkrSSR. Institut problem materialovedeniya. Vysokotemperaturnyye neorganicheskiye soyedineniya (High temperature inorganic compounds). Kiev, Naukova dumka, 1965, 331-338

TOPIC TAGS: ~~single crystal~~, silicon carbide, semiconductor single crystal, light source, SEMICONDUCTOR DEVICE, RESISTANCE, ELECTRIC CONDUCTIVITY, SPECIFIC

ABSTRACT: The quality of the commercial single crystals of silicon carbide are analyzed statistically. Out of 30,000 commercial samples of SiC approximately 6000 were selected for a quality check to determine which of them were of sufficiently high quality to be used in the manufacture of semiconductor devices. These selected SiC single crystals were first ground with boron carbide powder to 200-300 micrometer and treated with a KOH-KNO₃ melt at 650°-700°C. Specific resistance and the number of crystal lat-

Card 1/2

L 32673-66

ACC NR: AT6013570

tice defects were determined for each sample. It was found that 10-30% of SiC samples exhibit mixed types of electrical conductivity. Some 20-30% of the samples were found to suffer from ununiform specific resistance characteristics. About 40% of the SiC samples had inclusions of carbon (1-100 micrometers in diameter). Only 10-30% of the SiC samples tested could pass the specific resistance and conductivity type standards. No conclusion was reached as to what fraction of the commercial SiC samples would be in the 1-10 ohm·cm specific resistance range, i. e., acceptable for the production of digital and symbol indicators. It was estimated that only 5-10% of the commercial SiC single crystals would meet the quality standards for the production of high temperature diodes. Inclusions of carbon were found to be the major objection to SiC crystals with respect to quality standards, since these inclusions facilitate p-n transitions. Some 50% of the commercial SiC single crystals were found to be acceptable for the production of pulse light sources. The statistical distribution for commercial SiC single crystals according to specific resistance is graphed. Orig. art. has: 3 figures, 2 tables.

SUB CODE: 07,20,09/ SUBM DATE: 03Jul65/ ORIG REF: 002

Card 2/2 BLC

BRANTSEVICH, I.M. (Brantsevich, I.M.); KOSTYUK, YANINA, V.I. (Kostyuk, V.I.)

Studying distortions in crystals by the X-ray method. Rep. AN UkrSR
no. 9290-910 '64. (MIRA 17:9)

1. Institut metallokeramiki i spetsial'nykh splavov AN UkrSR.
2. AN UkrSR (for Brantsevich).

S/170/60/003/03/25/034
B014/B007

AUTHORS: Kravets, V. F., Stepanchuk, V. F.

TITLE: The Calculation of Regenerative Heat Exchangers With Rotating Checker

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 3, pp. 133-137

TEXT: In the present paper the calculation of a heat exchanger with rotating checker in the case of direct flow is investigated. Under neglect of the heat conduction of the checker-material and of the gas, the relations (1) are given for the elementary volume (Fig. 1). The relations (2) are the analogues to (1) for cooling. After suitable substitution of formulas (1) and (2) by formulas (5) and (6), a solution is obtained for the temperature of the material. For the material temperature in the heating- and in the cooling zones formulas (12) and (13) are derived. For the temperatures of the warm and of the cold heat carriers formulas (14) and (15) are given. The quantity of heat passing through the regenerative preheater may be calculated by means of formula (15). ✓

Card 1/2

The Calculation of Regenerative Heat
Exchangers With Rotating Checker

S/170/60/003/03/25/034
B014/B007

The formulas derived permit the easy calculation of a regenerative
preheater with direct motion of the heat carrier. There are 2 figures
and 3 Soviet references.

ASSOCIATION: Belorusskiy politekhnicheskiy institut im. I. V. Smalina,
g. Minsk
(Belorussiya Polytechnic Institute imeni I. V. Smalina,
City of Minsk)

Card 2/2

S/143/62/000/009/002/003
D238/D308

AUTHORS: Leonkov, A.M., Stepanchuk, V.F., Candidates
of Technical Sciences and Kravets, V.F.,
Engineer

TITLE: Some test results on a turbine stage with
partial admission of the working medium

PERIODICAL: Izvestiya vysshikh.uchebnykh zavedeniy.
Energetika, no. 9, 1962, 72 - 77

TEXT: In connection with the modernization of the
bladed section of small district-heating turbines, tests have been
carried out on an experimental air turbine with full and partial
admission to the turbine stage. Air was delivered from one or two
blowers in series, each of which provided a pressure of the order
of 800 mm H₂O at a rate of approximately 10,000m³/h. During the
tests measurements were carried out on the total pressure before
the nozzles at three points around the periphery, the air tempera-
ture before the nozzles ,the speed of rotation of the turbine rotor,

Card 1/2

✓

Some test results ...

S/143/62/000/009/002/003
D238/D308

the torque, and the air rate. The static pressure was measured in the gap between the nozzle and the working wheel at the root and periphery. The tests indicated that open axial gaps substantially affect the losses in the turbine stage with partial admission of the working medium. At the same time the change in the gap in the partial stage plays a much bigger part than in a stage with full admission. The degree of reaction falls with diminishing admission ratio. With carefully packed axial gaps this reduction occurs on account of the flow of working medium through inoperative channels. The data obtained provide an assessment of the design reaction of a stage with partial steam admission. The investigations provide the main characteristics of the pressure stage with full and partial admission of the working medium and with different axial gaps. The data is valid for the design of similar types of stage with partial admission. There are 5 figures and 1 table.

ASSOCIATION: Belorusskiy politekhnicheskiy institut
(Belorussian Polytechnic Institute)

SUBMITTED: May 4, 1962

Card 2/2

TURUTA, N.U., kand. tekhn. nauk; GALIMULLIN, A.T., kand. tekhn. nauk;
KHIKHLUSHKO, B.P.; KRAVETS, V.G.

Testing igdanite and "zernogramulit" at the Rozdol mining,
ore dressing, and chemical processing combine. Met. i gornorud.
prom. no.3:61-63 My-Je '65. (MIRA 18:11)

ACC NR: AP6032395

(A)

SOURCE CODE: UR/0198/05/002/009/0093/0098

AUTHOR: Vovk , A. A. (Kiev); Kravets, V. G. (Kiev)

ORG: none

TITLE: Research on the deformation of clay soil by the action of explosive energy

SOURCE: Prikladnaya mekhanika, v. 2, no. 9, 1966, 93-98

TOPIC TAGS: soil, soil behavior, detonation ground shock transmission, physical geology, *CLAY, DETONATION, SOIL PROPERTY*

ABSTRACT: The mechanism of cohesive-soil deformation during an explosive was studied by the method of radioactive logging. This study was complex due to the fact that soil, unlike uniform media, contains gas, liquid, and soil components, and its particles are subject to the forces of internal friction and cohesion. There has been a great difference observed in the behavior of soils with different density and moisture content to the impact charge. Thus, the compression of water-free soil primarily deforms its skeleton, i.e., by breaking up stable bonds and displacing its particles. In water-saturated soils, the water acts as a primary counterforce. In addition to these characteristics, the distance and depth of soil samples were kept in mind during the construction of dynamic diagrams using logging data. Orig. art. has: 6 figures and 13 formulas.

SUB CODE: 08, 19 / SUBM DAT:E 05Mar66/ ORIG REF: 006
Card 1/1

TURUTA, U.N., kand. tekhn. nauk; KARPUKHIN, V.A.; GALIMULLIN, A.T.,
kand. tekhn. nauk; KRAVETS, V.G.; KHIKHLUSHKO, B.P.; STOYKO, I.V.

Investigating ore breaking with inclined borehole charges
at the strip mine of the Rozdol chemical combine. Met. 1
gornorud. prom. no.3:56-57 My-Je '64. (MIRA 17:10)

KRAVETS, V.I.

23236. Voprosu o perevode shakht podmoskovnogo basseyna na pyl'no - gazovyy Rezhim. Sbornik statey (Gos. makeyevsk. Nauch. - issled. in-t po Bezopasnosti, rabot v gornoy prom - sti), 1949, May, c. 18-21

SO: LETOPIS' NO. 31, 1949

KRAVETS, V.I., kandidat tekhnicheskikh nauk

"Collection of problems on mine ventilation." A.I. Ksenofontova. Reviewed by V.I. Kravets. Ugol' 30 no.6:46 Ja '55.
(MIRA 8:8)

1. Kiyevskiy politekhnicheskii institut.
(Mine ventilation) (Ksenofontova, A.I.)

PECHUK, Isank Moiseyevich; KRAYETS, V.I., otvetstvennyy redaktor; OZHIMENKO,
V.A., redaktor izdatel'stva; BASHEVA, T.A., redaktor izdatel'stva;
KOROVENKOVA, Z.A., tekhnicheskiy redaktor.

[Gas removal from secondary minerals of coal seams through boreholes]
Degazatsiia sputnikov ugol'nykh plastov skvazhinami. Moskva, Ugletekh-
izdat, 1956. 209 p. (MIRA 10:4)

(Mine gases)

KRAVETS, V.I. [Kravets', V.I.]; RYZHENKO, I.A. [Ryzhenko, I.O.]

Determining the maximum ventilation-stream velocity by the dust factor in relatively smooth mine workings [with summary in English].
Dop. AN URSS no.5:515-518 '58. (MIRA 11:6)

L.Kiivs'kii politekhnichnyi institut. Predstavleno akademikom
AN USSR A.N. Shcherbanem.
(Mine ventilation)

KRAVETS, V.I., kand. tekhn. nauk; TSYRUJ, NIKOV, A.S., kand. tekhn. nauk;
RYZHENKO, I.A., gornyy inzh.

Qualitative composition of the atmosphere in Volyn' Basin coal mines.
Ugol' Ukr. 3 no.11:22-23 N '59. (MIRA 13:3)

1. Kiyevskiy politekhnicheskii institut.
(Lvov-Volyn' Basin--Coal mines and mining)
(Mine gases)

AUTHORS: Kravets, V.I. and Ryzhenko, I.A. 21-58-5-12/28

TITLE: Determination of the Maximum Air Stream Velocity in Relatively Smooth Mine Workings by the Dust Factor (Opredeleniye maksimal'noy skorosti ventilyatsionnogo potoka v otnositel'no gladkikh rudnichnykh vyrabotkakh po pylevomu faktoru)

PERIODICAL: Dopovidi Akademii nauk Ukrain's'koi RSR, 1958, Nr 5, pp 515-518 (USSR)

ABSTRACT: The authors analyzed the air motion in relatively smooth mine workings and came to a conclusion that its velocities correspond to the beginning of movement of coal particles up to 100 microns in diameter. They derived formulas for determination of the lower limiting air velocity at which coal particles begin to move, which indicate that its value depends upon the specific weight of the particles and coefficient of the aerodynamical resistance of the mine working, but does not depend on the size of the particles. Numerical examples cited show that this value varies in the limits between 1.7 and 8.8 m/sec.
There is 1 sketch and 5 Soviet references.

ASSOCIATION: Kiyevskiy politekhnicheskii institut (Kiyev Polytechnic Institute)
Card 1/2

21-58-5-12/28

Determination of the Maximum Air Stream Velocity in Relatively Smooth Mine Workings by the Dust Factor

PRESENTED: By Member of the AS UkrSSR, A.N. Shcherban'

SUBMITTED: September 23, 1957

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration.

1. Air--Velocity
2. Particles (Airborne)--Motion

Card 2/2

TROPIMOV, Vladimir Petrovich; KRAVETS, V.I., kand.tekhn.nauk, otv.red.;
TUBOLEVA, M.V., red.

[Principal trends in the expansion of coal mining in the Ukrainian
S.S.R.] Glavneishie napravleniia razvitiia ugol'noi promyshlen-
nosti Ukrainskoi SSR. Kiev, 1960. 31 p. (Obshchestvo po raspro-
straneniuiu politicheskikh i nauchnykh znani Ukrainskoi SSR. Ser.7,
no.8). (MIRA 14:1)

(Ukraine--Coal mines and mining)

KRAVETS, V.I., dots.; RYZHENKO, I.A., inzh.

Effect of the rate of stoping on the ~~concentration~~ concentration of gas in a worked seam. Izv.vys.ucheb.zav.; gor.shur. no.2:78-80 '60, (MIRA 14:5)

1. Kiyevskiy politekhnicheskii institut.
(Mine gases)

KRAVETS, V.I., kand.tekhn.nauk

All-Union Scientific Technical Conference on Mine Ventilation
and Fan Designing. Ugol' Ukr. 4 no.2:46 F '60.
(MIRA 13:6)

(Mine ventilation--Congresses)

KRAVETS, V.I. , kand.tekhn.nauk; BOZHKO, V.L. , kand.tekhn.nauk

"Instruments for ventilation control in mines" F.A. Abramov,
A.F. Miletich. Reviewed by V.I. Kravets, V.L. Bozhko. Ugol'
Ukr. 5 no.10:46 0 '61. (MIRA 14:12)
(Mine ventilation)
(Abramov, F.A.) (Miletich, A.F.)

KRAVETS, V.I., kand.tekhn.nauk; RYZHENKO, I.A., gornyy inzh.;
SELEDTSOV, V.F., gornyy inzh.

Ways of improving the ventilation in Novovolynsk mines. Ugol'
Ukr. no.6:40 Je '61. (MIRA 14:7)
(Lvov-Volyn' Basin—Mine ventilation)

KRAVETS, V.I., kand.tekhn.nauk; BALANOVSKIY, V.F., inzh.; ZINCHENKO, V.V.,
inzh.; KOPYLOV, V.F., inzh.; SHEVCHENKO, L.I., inzh.

Efficiency of water curtains for directed protection against the
air wave impact. Ugol' Ukr. 6 no.5:38-41 My '62. (MIRA 15:11)
(Coal mines and mining--Fires and fire prevention)
(Blasting--Safety measures)

L 19837-63 EFF(c)/EWT(m)/BDS AFFTC/APGC Pr-4 MN
ACCESSION NR: AR3005028 S/0273/63/000/006/0038/0038

SOURCE: RZh. Dvigateli vnutronnego sgoraniya, Abs. 6:39.309

AUTHOR: Kravets, V. I. ;

TITLE: Apparatus for determining the fuel delivery law according to the momentum of the fuel jet from the atomizer

CITED SOURCE: Tr. Khar'kovsk. politekh. in-ta. 34, 1961, 259-270

TOPIC TAGS: diesel fuel delivery

TRANSLATION: The author describes an apparatus of determining the fuel delivery law based on the measurement of the momentum of the fuel jet and cites the results of comparative tests which resulted in a positive evaluation of the apparatus.

DATE ACQ: 01Jul63

SUB CODE: FL

ENCL: 00

Card 1/1

L 26010-66 EWT(1)/EWP(m)/EWT(m)/EWA(d)/I/EWA(1) DJ/WE/GS

ACC NR: AT6013445

(N,A)

SOURCE CODE: UR/0000/65/000/000/0096/0101

AUTHOR: Kravets, V. I.

ORG: Kharkov Polytechnic Institute (Khar'kovskiy politekhnicheskiy institut)

84
82
0+1

TITLE: Determining the pressures, velocities, and flow rates in any cross section of a nonstationary flow of a liquid (gas) from oscillograms of the pressure made in two arbitrary cross sections

SOURCE: Dvigateli vnutrennego sgoraniya (Internal combustion engines), no. 1. Kharkov, Izd-vo Khar'k. univ., 1965, 96-101

TOPIC TAGS: fluid pressure, flow velocity, flow rate, oscillograph, nonsteady flow, wave equation, diesel engine, fuel nozzle, engine fuel pump, engine fuel system

ABSTRACT: An experimental method for determining the pressure, velocity, and flow rate of a liquid in any cross section of a nonstationary flow without direct measurement is described. The motion of the flow is described by the wave equation

$$\frac{\partial^2 p}{\partial t^2} = a^2 \frac{\partial^2 p}{\partial x^2}$$

or

$$\left[\frac{\partial^2 p}{\partial t^2} = a^2 \frac{\partial^2 p}{\partial x^2} - k \frac{\partial p}{\partial t} \right]$$

where p is the pressure of the liquid; a is the velocity of sound; k is a coefficient

Card 1/3

9m

2

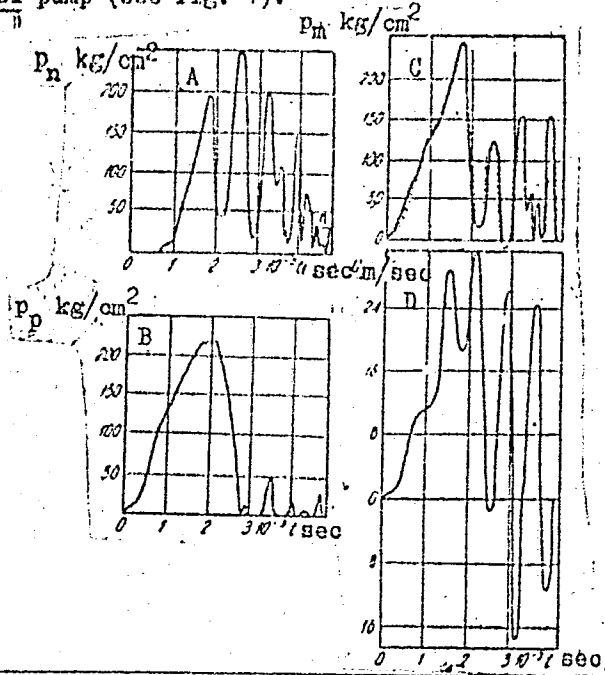
L 26010-66

ACC NR: AT6013445

2

determining friction losses; t is the time; and x is a coordinate. The method is illustrated with an example of a diesel fuel pump (see fig. 1).

Fig. 1. A - variation in pressure p_n in front of nozzle; B - variation in pressure at pump p_p with operation of fuel system on engineless test stand; C - pressure p_m measured in middle part of pipe (continuous curve) and pressure found in same cross section by proposed method (dotted curve); D - total flow rate determined by proposed method.



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ACC NR: AT6013445

The accuracy of the method is determined by the accuracy of the pressure measurement in two cross sections and the degree of correspondence of the wave or telegraph equation to reality. With sufficiently accurate measurements, the method can be used to check the suitability of initial equations for theoretical studies. The method can also be used to determine pressure and velocity analogs of nonstationary flows when any other phenomenon is described by a wave or telegraph equation. Orig. art. has: 7 formulas, 2 graphs and 2 diagrams.

SUB CODE: 21/ SUBM DATE: 20Apr65/ ORIG REF: 004

Card 3/3 *Jo*

KRAVETS, V.M. (Donetsk 52, prosp. Mirnyy, d. 69, dv. 21)

A case of bronchotomy for a foreign body in the respiratory tract. Grudn. khir. 5 no.4:94-95 JI-Ag'63 (MIRA 17:1)

OVNATANYAN, K.T. (g. Donetsk (Donbass), ul. Pribludnaya, d. 1, k. 14);
ZAVGORODNIY, L.G.; KRAVETS, V.M.

Tumors and cysts of the diaphragm. Grai. khir. obozr. 1947, no. 10
H-D 164. (1947)

1. Fakul'tetskaya khirurgicheskaya klinika (zav. - prof. K.T.
Ovnatanyan) Donetskogo meditsinskogo instituta imeni A.M.
Gor'kogo.

OMNATANYAN, K.T., prof. (Donetsk (obl.), Pushkinskaya ul., d. 139, kv. 63);
KRAVETS, V.M.

Unusual case of migration of a metal nail used in clavicular
osteosynthesis. Ortop., travm. i protez. 25 no.7:50-52 JI '64.

(MIRA 18:8)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. K.T.
Omnatanyan) Donetskogo meditsinskogo instituta imeni Gorkogo
(rektor - prof. A.M.Ganichkin).

S/081/61/000/019/034/085
B110/B138

AUTHOR: Kravets, V. P.

TITLE: Heptanetriol and its derivatives

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 147, abstract 19Zh58 (Nauchn. yezhegodnik za 1957 g. Chernovitsk. un-t, Chernovtsy, 1958, 509-511)

TEXT: The following compounds were prepared: $(\text{CH}_3)_2\text{CHC}(\text{CH}_2\text{OH})_3$ (I) from the bisulfite derivative of $(\text{CH}_3)_2\text{CHCH}_2\text{CHO}$ (II) and CH_2O in the presence of $\text{Ca}(\text{OH})_2$ and its ester with acetic and phthalic acids. I is found to be a suitable initial material for the manufacture of alkydal resins required for the production of varnishes. 0.06 mole of II; 0.18 mole of CH_2O , and 0.05 mole of $\text{Ca}(\text{OH})_2$ in 60 milliliters of water are kept at 60°C for 2 hr and at 100°C for 1 hr. The filtrate is acidified first with H_2SO_4 up to a weakly acid reaction and then with oxalic acid. Subsequently,

Card 1/2

Heptanetriol and its derivatives

S/081/61/000/019/034/085
B110/B138

it is heated with activated C for 30 min and boiled down to a sirupy consistency. 40 % of I, boiling point 166-168°C/6 mm Hg; melting point 179.5°C (from alcohol and ether), is extracted with hot acetone. 2.79 g of I is heated on the water bath for 1.5 hr with 3.84 g of $(\text{CH}_3\text{CO})_2\text{O}$ and 0.96 g of anhydrous CH_3COONa . Subsequently, the mixture is boiled for 30 min and neutralized with NaHCO_3 solution. Triacetate is extracted from I with ether (yield 41 %, boiling point 155-160°C/20 mm Hg. $n_D^{20} = 1.4470$, $d_4^{20} = 1.1175$). 1 g of I is fused with 2 g of phthalic acid anhydride at 180°C for 1 hr and at 210°C for 2 hr. Glyptal and pentaphthal resins are thus formed. [Abstracter's note: Complete translation.]



Card 2/2

L 6879-65 EWT(m)/EPF(c)/EPR/EWP(j)/T Pc-4/Pr-4/Ps-4 Wn/RM
ACCESSION NR: AR4041668 S/0081/64/000/0007/H038/H038

SOURCE: Ref. zh. Khimiya, Abs. 7Zh135

AUTHOR: Kravets, V. P.; Semenyuk, G. V.

TITLE: Condensation of 4-acetyldiphenyl with formaldehyde

CITED SOURCE: Nauchn. yezhegodnik za 1959 g. Chernovitsk. un-t Chernovtsy*, 1960, 641-644

TOPIC TAGS: 4-acetyldiphenyl, formaldehyde, condensation

TRANSLATION: By substituting $C_6H_5NO_2$ for CS_2 in the Friedel-Crafts reaction $4-CH_3COOC_6H_4C_6H_5$ (I) is synthesized. Depending upon conditions, condensation of the lattice with CH_2O leads to $C_6H_5C_6H_4CHOHC(CH_2OH)_3$ (II), $C_6H_5C_6H_4C(CH_2OH)_2CH_2OH$ (III), or to a resin with apparent structure of $[CH_2CH(COC_6H_4C_6H_5)]_n$ (IV). To 10g of diphenyl and 11 g of $AlCl_3$ at -50° start to add mixture of 8 g of CH_3COCl and 40 g of $C_6H_5NO_2$; add first half of mixture in temperature range of -5 to $+5$ during 1 hour;

Card 1/2

I 6879-65

ACCESSION NR: AR4041668

add second half during 2 hours, gradually increasing temperature from 5 to 35°; stir 2 hours at 35° and 1 hour at approximately 20°; decompose with ice water; extract 69.2% of I with ether; boiling point 122°/3 mm; semicarbazone, melting point 229°. To 9 g of I and 45 ml of 32% CH₂O (V) at ~100° in 30 ml of alcohol at a rate of 5 ml every 5 min add solution of 7.92 g KOH in 60 ml of alcohol, heat 12 hours; after cooling neutralize with 10% HCl; drive off alcohol; separate with ether 5.4 g of II, C₁₇H₂₀O₄, boiling point 210 - 212°/12 mm. To 6 g of I in 60 ml of alcohol add 6 ml of V and 1.71 g KOH in 60 ml of alcohol; stir 8 hours at ~100°; with ether extract III, C₁₅H₁₄O₂, boiling point 164 - 167°/12 mm; semicarbazone, C₁₆H₁₇N₂O₃, m-p, 244°. If preceding experiment is conducted for 12 hours during heating, IV starts to separate with a 60° temperature of decomposition. After washing by water, drying and heating to 140 degrees, IV becomes glasslike; product is insoluble in water and alcohol, will dissolve in CHCl₃, C₆H₆ and acetone; it possesses high adhesion to glass and metal.

SUB CODE: OC, CC

ENCL: 00

Card 2/2

KRAVETS, V.P.

Condensation of aliphatic-aromatic ketones with formaldehyde.
Zhur. VKHO 5 no.4:479-480 '60. (MIRA 13:12)

1. Chernovitskiy gosudarstvennyy universitet.
(Ketones) (Formaldehyde)

DOMEROVSKIY, A.V.; SHEVCHUK, M.I.; KRAVETS, V.P.

Preparation of α -bromoethyl aryl ketones by bromination of ethyl
aryl ketones with dioxane dibromide. Zhur.ob.khim. 32 no.7:2278-
2281 J1 '62. (MIRA 15:7)

1. Chernovitskiy gosudarstvennyy universitet.
(Ketone) (Bromination)

DRUTMAN, Z.S.; PAMFILOV, A.V., prof., retsenzent; KRAVETS, V.P.,
prof., retsenzent; SIVER, P.Ya., dots., retsenzent;
GRITSENKO, A.P., dots., retsenzent; KOSTYAEV, A.I., prof.,
retsenzent; KOTLYAROV, Yu.L., red.

[Structure of molecules] Stroenie molekul. L'vov, Izd-vo
L'vovskogo univ., 1962. 213 p. (MIRA 18:6)