Organophosphorus Insecticides. Some Esteramides of the Acids of Phosphorus Containing β-Fluoro-ethyl Groups

SOV/79-29-5-59/75

The preparation is described; boiling temperature, refraction, density, and composition are presented in tables (Tables 1 and 2). The toxic properties were tested with Pseudococcus maritimus Ehr. and Calliptamus italicus L. The compounds produced have only a weak insecticidal effect. There are 3 tables and 2 Soviet references.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR (Institute of Elemental-organic Compounds of the Academy of Sciences USSR)

SUBMITTED: February 6, 1958

Card 2/2

27487
S/062/61/000/009/002/014
B117/B101

5.3200

AUTHORS: Nesmeyanov, A. N., Borisov, A. Ye., Golubeva, Ye. I., and Kovredov, A. I.

TITLE: Reaction of free radicals with unsymmetric organic mercury compounds

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 9, 1961, 1582-1589

TEXT: The authors studied the interaction of free radicals with a number of asymmetric saturated organo-mercury compounds with a view to elucidating the order in which radicals are split off by a radical reagent and establishing a sequence of radicals. The benzoyl peroxide initiated reaction of carbon tetrachloride with saturated organo-mercury compounds, discovered by A. Ye. Borisov (Ref. 8: Izv. AN SSSR. Otd. khim. n. 1951, 524) was used as example for this study. The mercury compounds used were of the type RHgR' listed in the table. They were prepared either (compounds 11, 12, 13, and 14) by the method developed by R. Kh. Freydlina, K. A. Kocheshkov, and A. N. Nesmeyanov (Ref. 9: Zh. obshch.

Card 1/[illegible]

Reaction of free radicals ...

khimii, 5, 1171 (1935)) or by means of the Grignard reaction. It was observed that in the reaction $RHgR' + CCl_4 \rightarrow RHgCl + R'CCl_3$ the free radical $CCl_3^{\bullet}$ always combines in higher yield with a radical further left in the following sequence than with one further right: $2,4,6\text{-}(CH_3)_3C_6H_2$, $\alpha\text{-}C_{10}H_7$, $p\text{-}CH_3C_6H_4$, $o\text{-}CH_3C_6H_4$, $m\text{-}CH_3C_6H_4$, C_6H_5, C_2H_5, C_4H_9, $C_6H_5CH_2$, C_6H_{11}. If the radicals are further apart in this sequence, the reaction is frequently nearly quantitative. For a chain reaction with radical mechanism the order found shows a certain similarity to the sequence set up by M. S. Kharasch (J. Amer. Chem. Soc., 48, 3130 (1926); ibid., 54, 674 (1932)) for the heterolytic reaction. The course of the chain reaction may be represented as follows:

$$(C_6H_5COO)_2 \rightarrow C_6H_5^{\bullet} + C_6H_5COO^{\bullet} + CO_2$$
$$C_6H_5^{\bullet} + CCl_4 \rightarrow C_6H_5Cl + CCl_3^{\bullet}$$
$$CCl_3^{\bullet} + RHgR' \rightarrow RHg^{\bullet} + R'CCl_3$$
$$RHg^{\bullet} + CCl_4 \rightarrow RHgCl + CCl_3^{\bullet}, \text{ etc.}$$

Card 2/

Reaction of free radicals ...

The course of the reaction is therefore determined by

$$RHgR' + CCl_3^{\cdot} \rightarrow R'CCl_3 + RHg^{\cdot}$$

since in the further course of the reaction the RHg radical only participates the regeneration of the chloromethyl radical. The sequence established on the basis of decreasing proton affinity of the radicals corresponds to one based on decreasing affinity of the radicals towards the free radical CCl_3. There are 1 table and 14 references: 5 Soviet-bloc and 9 non-Soviet-bloc. The two most recent references to English-language publications read as follows: R. E. Dessy, G. F. Reynolds, Jin Young-Kim, J. Amer. Chem. Soc. 81, 2683 (1959); S. Winstein, T. G. Traylor, J. Amer. Chem. Soc. 77, 3741 (1955).

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR (Institute of Elemental Organic Compounds of the Academy of Sciences USSR)

SUBMITTED: March 11, 1961

Card 3/

GOLUBEVA, Ye L

"Review of A.I. Makarychev's, 'Law of Force in Studies of the Higher Nerve Activity'," Vest. Ak. Med. Nauk SSSR, No. 6, 1948.

GOLUBEVA, Ye.L.

Modifications in motor aspects of respiration following pneumonectomy. Fiziol.zhur. 41 no.3:373-379 My-Je '55. (MLRA 8:8)

1. Fiziologicheskaya laboratoriya Instituta khirurgii im. A.V. Vishnevskogo, AMN SSSR, Moskva.
(LUNGS, surgery,
pneumonectomy, postop. resp.motoricity)
(RESPIRATION, physiology,
motoricity after pneumonectomy)

GOLUBEVA, E.L.

EXCERPTA MEDICA Sec.2 Vol.9/8 Physiology,etc. Aug56

3521. GOLUBEVA E.L. Physiol. Lab., Inst. of Surg., AMN, SSSR, Moscow. *Change of respiratory regulation after experimental removal of a lung (Russian text) FIZIOL. Ž. 1955, 41/6 (786-794) Tables 3 Illus. 3

Removal of a lung in rabbits accelerates the discharges in the recurrent nerve and the diaphragmatic nerves. The increase of rate in the recurrent nerve is more pronounced in the normal side and that of the diaphragmatic nerves is more pronounced on the operated side. Simonson - Minneapolis, Minn.

GOLUBEVA, Ye.L.; FOMINA, L.S.

Effect of food intake on the secretion of intestinal enzymes and on the motor activity of an isolated intestinal segment in man. [with summary in English]. Fiziol. zhur. 43 no.2:169-175 F '57 (MLRA 10:4)

1. Laboratoriya pishchevareniya Instituta pitaniya AMN SSSR i Fiziologicheskaya laboratoriya Instituta khirurgii im. A.V. Vishnevskogo AMN SSSR, Moskva.
(INTESTINES, PHYSIOL)
(JEJUNUM, physiol.)
enzyme secretion & motility after food intake, study on isolated segment in man)

GOLUBEVA, Ye.L.

Conditioned food reflexes in premature infants [with summary in English]. Akush. i gin. 35 no.1:58-62 Ja-F '59. (MIRA 12:2)

1. Iz laboratorii embriogeneza cheloveka (zav. - deystvitel'nyy chlen AMN SSSR prof. P.K. Anokhin) Instituta akusherstva i ginekologii (dir. - L.G. Stepanov) Ministerstva zdravookhraneniya RSFSR.

(INFANT, PREMATURE,
conditioned food reflexes (Rus)
(REFLEX, CONDITIONED,
in premature inf., conditioned food reflexes (Rus))

GOLUBEVA, Ye.L.; SHULEYKINA, K.V.; VANSHTEYN, I.I.

Development of the reflex and spontaneous activity of the human fetus in the process of embryogenesis. Akush. i gin. 35 no.3: 59-62 My-Je '59. (MIRA 12:8)

1. Iz laboratorii embriogeneza cheloveka (zav. - deystvitel'nyy chlen AMN SSSR prof.P.K.Anokhin) Instituta akusherstva i ginekologii (dir. - dotsent L.G.Stepanov) Ministerstva zdravookhraneniya RSFSR.
(FETUS, physiol.
develop. of reflex & spontaneous activity (Rus))

ANOKHIN, P.K., otv.red.; AGAFONOV, V.G., red.; ARSHAVSKIY, I.A., red.; GOLUBEVA, Ye.L., red.; KRYZHANOVSKIY, G.N., red.; PARIN, V.V., red.; SNYAKIN, P.G., red.; TROFIMOV, L.G., red.; SHUMILINA, A.I., red.

[Materials of the First Conference devoted to Problems in the Physiology, Morphology, Pharmacology, and Clinical Aspects of the Reticular Formation of the Brain] Materialy Nauchnoi konferentsii, posviashchennoi problemam fiziologii, morfologii, farmakologii i kliniki retikuliarnoi formatsii golovnogo mozga. Moskva, 1960. 134 p. (MIRA 14:3)

1. Nauchnaya konferentsiya, posvyashchennaya problemam fiziologii, morfologii, farmakologii i kliniki retikulyarnoy formatsii golovnogo mozga. 1960. 2. Laboratoriya obshchey fiziologii tsentral'noy nervnoy sistemy Instituta normal'noy i patologicheskoy fiziologii AMN SSSR, Moskva (for Agafonov, Shumilina). 3. Laboratoriya vozrastnoy fiziologii i patologii Instituta normal'noy i patologicheskoy fiziologii AMN SSSR, Moskva (for Arshavskiy). 4. Elektrofiziologicheskaya laboratoriya Instituta mozga AMN SSSR, Moskva (for Trofimov).

(BRAIN)

GOLUBEVA, Ya.L.

Consecutive steps in the myelinization of the facial nerve in human embryogenesis. Trudy 1-go MMI 11:101-116 '61. (MIRA 15:5)

1. Laboratoriya embriogeneza cheloveka (zav. - prof. P.K.Anokhin) Instituta akusherstva i ginekologii Ministerstva zdravookhraneniya RSFSR.

(NERVES, FACIAL) (EMBRYOLOGY, HUMAN)

GOLUBEVA, Ye.L.

Maturing of the vegetative components of pain and hypercapnic reactions in ontogenesis. Trudy Inst. norm. i pat. fiziol. AMN SSSR 6: 107-109 '62. (MIRA 17:1)

1. Laboratoriya obshchey fiziologii tsentral'noy nervnoy sistemy (zav. - deystvitel'nyy chlen AMN SSSR prof. P.K. Anokhin) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

GOLUBEVA, Ye.L.; YELIZAROVA, I.P.; FARBER, D.A.

State of the central nervous system in newborn infants following asphyxia during labor. Akush. i gin. no.6:25-29 N-D '63.
(MIRA 17:12)

1. Iz Instituta akusherstva i ginekologii (direktor prof. O.V. Makeyeva) Ministerstva zdravookhraneniya SSSR.

GOLUBEVA, YE. P.

6369. Golubeva, Ye. P. Opyt reboty mekhanizirovannoy remontnoy kolonny Serpukhovskoy kistantsii STsB i svyazi. M., 1954. 11s s ill. 26 sm. (MPS SSSR. Mosk. - Kursko - Donbasskaya zh. D. Tekhn. Otd. Dorogi i Sluzhba signalizatsii i svyazi. Obmen opytom. Inform. Pis'mo No. 13 (84)). 300 ekz. B. Ts. -- Avt. ukazan v kontse teksta. -- obl. Tol'ko zagl. serii. (54-15564zh) 656.25-77

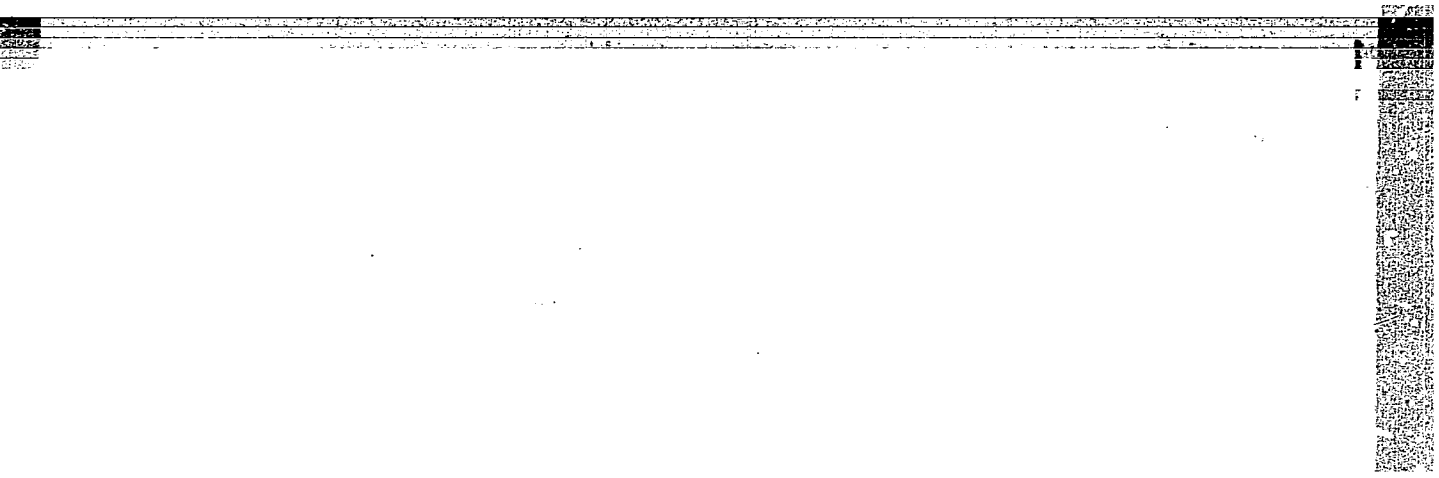
SO: Knizhnaya Letopis' No. 6, 1955

LOGVINENKO, Tikhon Maksimovich; FILIPENKO, Sof'ya Nikolayevna; CHERNYY, Vladimir Iosifovich; GOLUBEVA, Ye.P., inzh., retsenzent; NOVIKAS, M.N., inzh., red.; USENKO, L.A., tekhn. red.

[Mechanized mobile unit for emergency repairs of communication and signaling systems] Mekhanizirovannaia avariino-remontnaia lutuchka sviazi. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1961. 43 p. (MIRA 14:12)
(Railroads--Maintenance and repair) (Electric lines--Overhead)

GELLER, Yu.A.; GOLUBEVA, Ye.S.

Improving the quality of 3KhB8 die steel by the selection of better conditions of heat treatment. Kuz.-shtam.proizv. 4 no.8:1-4 Ag '62. (MIRA 15:8)
(Tool steel—Heat treatment)



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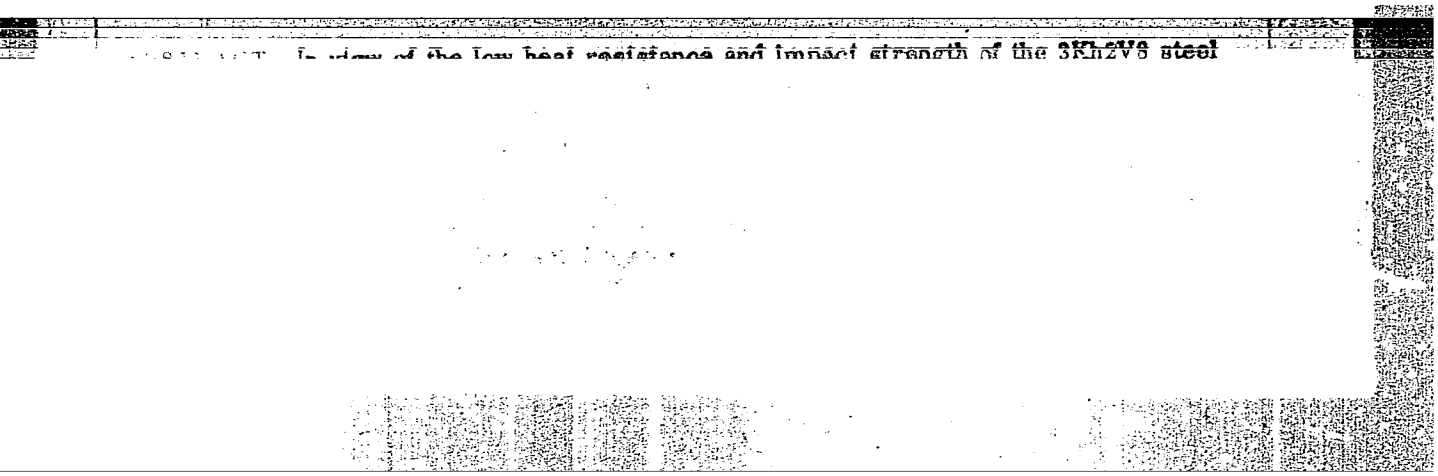
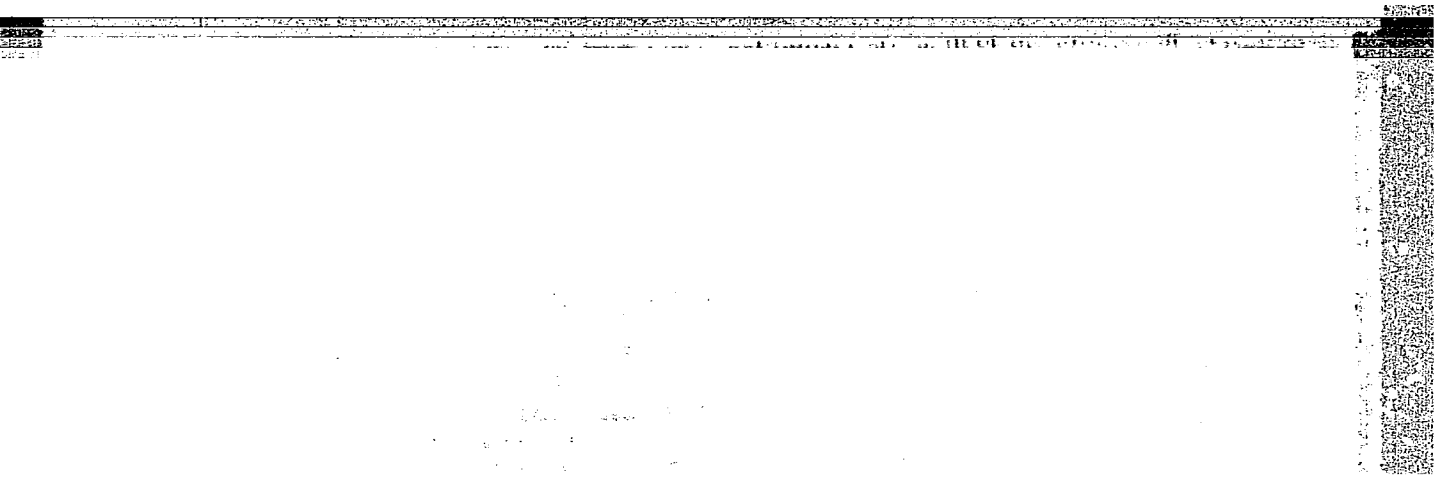
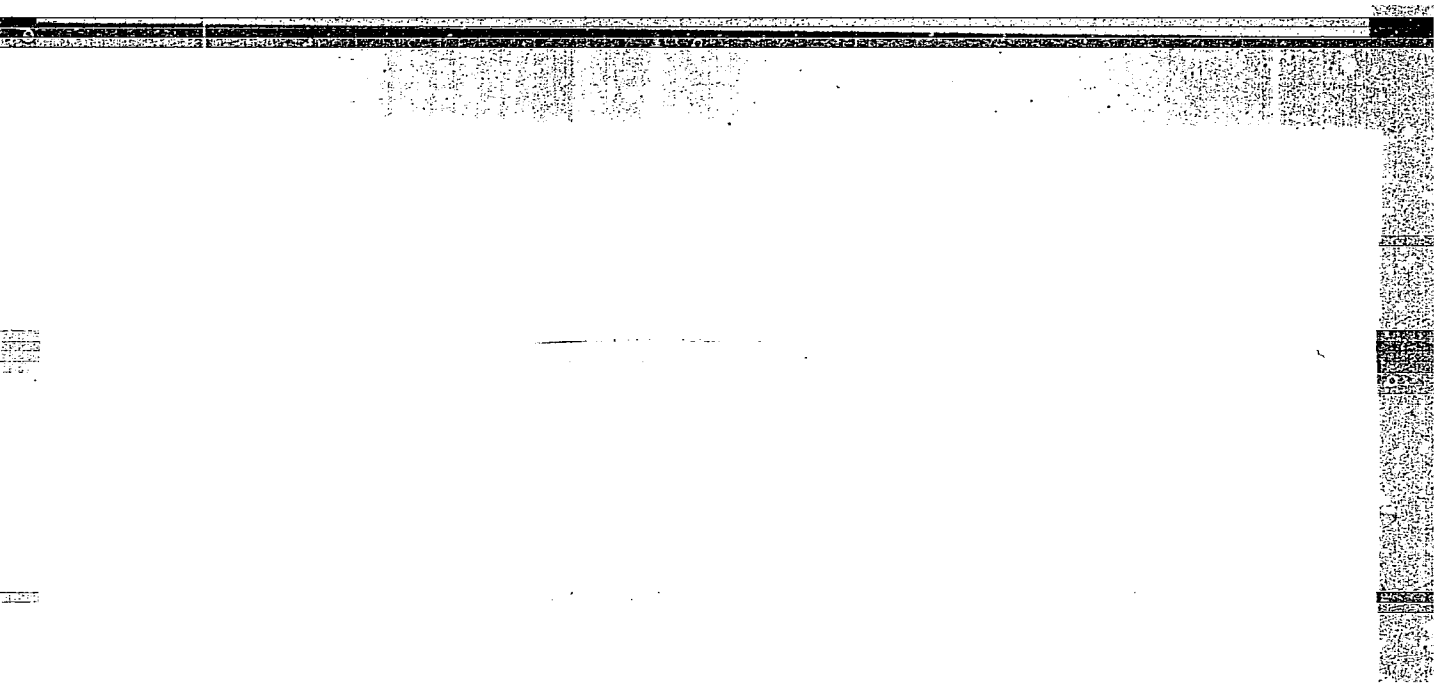




APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515920001-8"



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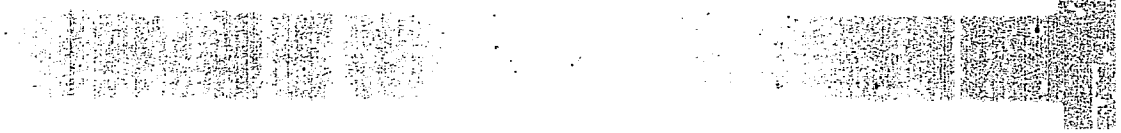
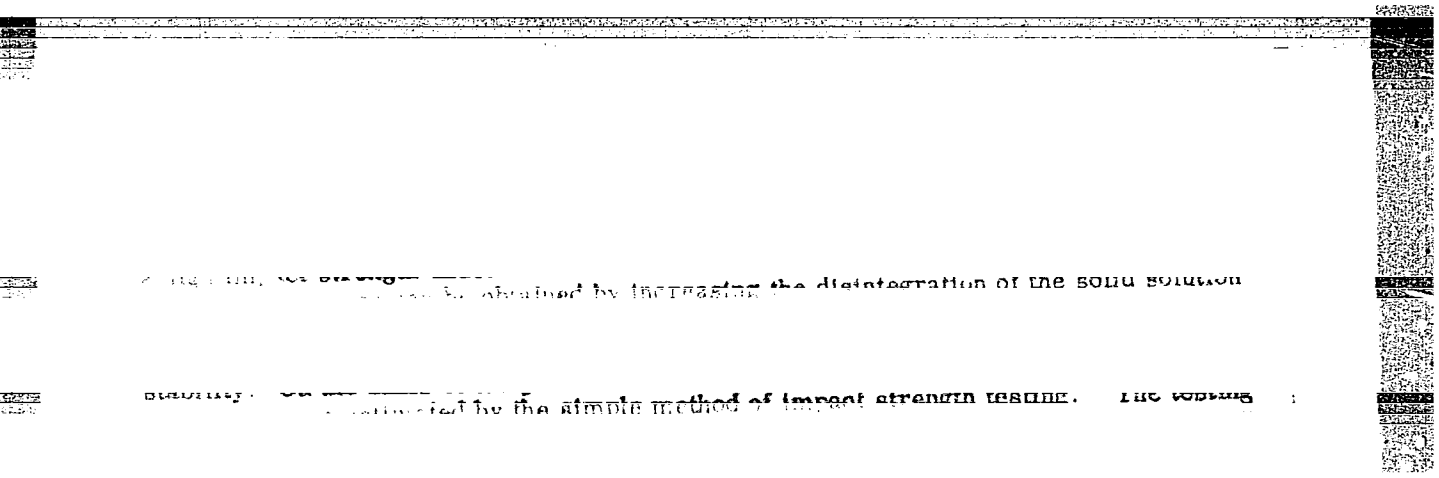
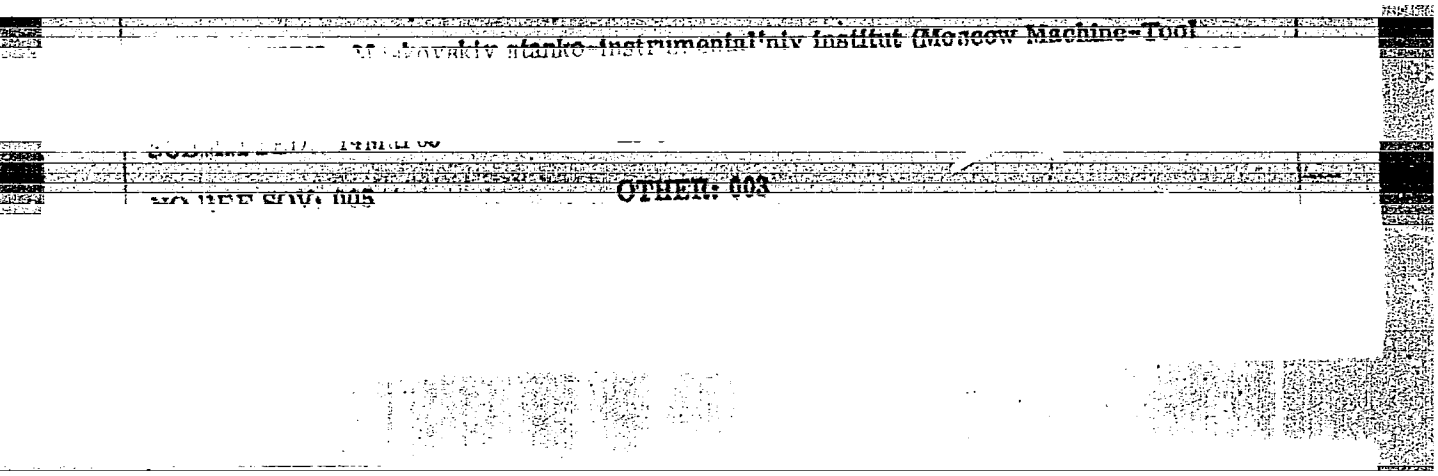
present paper, simultaneous tests were carried out on the annealing crack stability and



During incomplete cooling the lower layers retain a high temperature. Thus the tempera-

that crack stability varies significantly, steel with a high tungsten content having the





Golubeva, Ye.V.

SOV/81-59-10-37163

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 10, p 536 (USSR)

AUTHORS: Khait, K.V., Prokof'yev, A.S., Labetets, A.I., Kachanyuk, Yu.K., Golubeva, Ye.V., Kalontarov, N.D.

TITLE: Continuous Process of Manufacturing Polycaprolactam

PERIODICAL: Vestn. tekhn.-ekon. inform. Nezhotrasl. labor. tekhn.-ekon. issled. I nauchno-tekhn. inform. N.-i. fiz.-khim. in-ta im. L.Ya. Karpova, 1958, Nr 5 (10), pp 16-18

ABSTRACT: As a result of the analysis of caprone resin (determination of the content of low-molecular compounds, viscosity of the solution and the melt), which has been obtained in the continuous polymerization of ε-caprolactam in direct-flow (of the VK-pipe type) and in three-type (of the U-pipe type) apparatuses at 260°C in the presence of AG salt of 3 - 5% of the monomer weight, it has been found that a polymer with uniform physical-chemical properties is obtained only in apparatuses of the U-pipe type. The method of continuous polymerization of caprolactam in this apparatus can be recommended for the industrial manufacture of caprone resin.

Card 1/1

A. Volokhina

87876
S/183/60/000/005/003/007
B028/B054

155540 1209 only

AUTHORS: Kudryavtsev, G. I., Katorzhnov, N. D., Voitelev, Yu. A., Golubeva, Ye. V., Nenarokomov, L. S.

TITLE: Effect of Inorganic Salts on the Heat Resistance of Caprone Fibers

PERIODICAL: Khimicheskiye volokna, 1960, No. 5, pp. 16-20

TEXT: The present paper describes investigations carried out to increase the heat resistance of caprone fibers by additions of inorganic salts. The authors used water-soluble copper salts of nitric, citric, lactic, sulfuric, perchloric, acetic, and formic acids. 0.05 - 0.01% additions of these compounds were introduced during the polymerization of caprolactam. The authors further used 0.05-0.01% additions of water-insoluble, fatty-acid copper salts introduced into molten caprolactam. 0.25-0.5% additions of copper borate, copper phosphate, and copper chromate, as well as three-component additions, namely, copper acetate, potassium iodide, and monosubstituted sodium phosphate, were also used. It was shown that the specific viscosity reaches a maximum when adding copper stabilizers and heating the fiber to

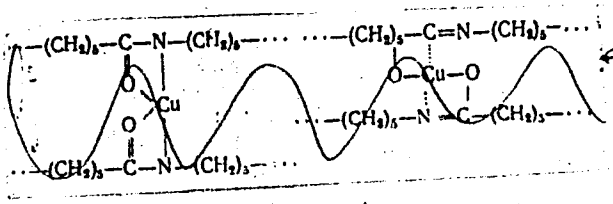
Card 1/4

87876

Effect of Inorganic Salts on the Heat Resistance of Caprone Fibers

S/183/60/000/005/003/007
B028/B054

180°C. Fibers with additions of water-soluble copper salts and three-component additions were tested for heat resistance. They were heated for 6, 24, 48, 72, and 100 hours to 150°C, and for 2, 8, 14, 24, and 36 hours to 180°C. It was shown that a simultaneous introduction of multi-component additions during fiber polymerization yielded maximum heat resistance. 0.03% copper acetate, 0.25% sodium phosphate, and 2% potassium iodide were used. This inhibited the decomposition of the fiber during heating. Resistance to tearing increased by 8% on 14 hours' heating to 180°C. After 90 hours' heating to 180°C, it had only dropped by 39.2% (as against 67% after two hours without addition). Copper salts form a cholate compound with the fiber, in which the copper is bound by secondary valencies:



ASSOCIATION: VNIIV (All-Union Scientific Research Institute of Synthetic Fibers)

GOLUBEVA, Ye.V., assistent; SAVEL'YEVA, M.V.

Analysis of fetus-destroying operations based on data of the obstetrical hospital of the Novo-Kuznetsk State Institute for the Specialization and Advanced Training of Physicians. Kaz.med.zhur. no.3:63-64 My-Je '63. (MIRA 16:9)

1. Kafedra akusherstva i ginekologii (zav. - prof. A.M. Mazhbits) Novokuznetskogo gosudarstvennogo instituta dlya usovershenstvovaniya vrachey.
(ABORTION)

ACCESSION NR: AP4013187 S/0131/64/000/002/0082/0089

AUTHOR: Poluboyarinov, D. N.; Bashkatov, V. A.; Serova, G. A.; Golubeva, Ye. V.; Shlemin, A. V.

TITLE: Testing of highly refractory insulation materials in lithium vapors at high temperatures in a vacuum

SOURCE: Ogneupory*, no. 2, 1964, 82-89

TOPIC TAGS: insulation, insulation material, insulation material testing, lithium vapor, refractory insulation material, high temperature material testing, insulation material alkali metal resistance

ABSTRACT: In respect to the effect of alkali metals on refractory materials at high temperatures, tests have been conducted on the resistance of different materials to liquid lithium and ionized lithium vapors in a vacuum. Aluminum oxide, calcium oxide, magensium oxide (pure and with Al_2O_3 admixtures), zirconium dioxide and certain other high-melting materials (zircon, calcium zirconate, silicon nitride, silicon carbide on a vitreous bond, silicon carbide on β-carborundum and silicon nitride bonds, as well as a material with a boron nitride base) served as base materials. Samples of corundum, zirconium dioxide, magnesium oxide, and cal-

Card 1/3

ACCESSION NR: AP4013187

cium oxide were prepared using G-0 technical alumina (98.7% Al_2O_3), white electrosmelted corundum No. 36 and 280 (95.5% Al_2O_3), smelted technical ZrO_2 stabilized by calcium oxide (91.16% ZrO_2, 6.49% CaO), monoclinic ZrO_2 (98.02% ZrO_2), technical magnesium oxide (98.7% MgO), and calcium carbonate. Samples were prepared in solid-sintered and granular-porous pieces. The basic results were: (1) corundum, zirconium dioxide, zircon, calcium zirconate, and silicon nitride were affected considerably by lithium, particularly in contact with melted lithium; (2) magnesium oxide and calcium oxide showed greater chemical stability; (3) the chemical stability of magnesium oxide with Al_2O_3 admixtures was noticeably less than that of pure magnesium oxide; (4) the carborundum samples on a bond of β-carborundum did not possess the required electroinsulating properties; (5) boron nitride-base samples showed chemical and thermal stability. It was concluded that refractory materials of pure aluminum oxide and pure zirconium dioxide, zircon, calcium zirconate and silicon nitride are not serviceable because of their low chemical stability; however, boron nitride, calcium oxide, and magnesium oxide may be used as insulators. Orig. art. has: 8 figures, 2 tables.

Card 2/3

ACCESSION NR: AP4013187

ASSOCIATION: Khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva (Institute of Chemical Technology)

SUBMITTED: 00 DATE ACQ: 02Mar64 ENCL: 00

SUB CODE: MA, CH NO REF SOV: 002 OTHER: 003

Card 3/3

GOLUBEVA, Ye.V.

Three cases of true adherent placenta. Sov. med. 28 no.7:135-138 Jl '64. (MIRA 18:8)

1. Kafedra akusherstva i ginekologii (zav. - prof. A.M.Mazhbits) Novokuznetskogo instituta usovershenstvovaniya vrachey (rektor - dotsent G.L.Starkov).

Golubeva, Ye. Yu.

USSR / Microbiology. Microbes Pathogenic to Man and Animals. Bacteria. Bacteria of the Intestinal Group. F-3

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72175.

Author : Budylina, V. V.; Illyutovich, A. Yu.; Petrova, Z. S.; Godulina, T. V.; Golubeva, Ye. Yu.; Titrova, A. I.; Shchetvernina, R. S.

Inst : Stavropol Scientific-Research Institute of Vaccines and Sera.

Title : Experimental-Biological Model of Bacterial Dysentery.

Orig Pub: Sb. nauchn. tr. Stavropol'sk. n.-i. in-t vaktsin i syvorotok, 1957, vyp. 4, 85-97.

Abstract: Kittens aged 2-5 months were infected orally with a local strain of a Flexner type V in a quantity of 1-8 billion microbe bodies. Development of

Card 1/3

Abstract: typical bacterial dysentery was observed in all kittens after the incubation period. The animals were divided into 3 groups according to the character of the course of the disease (severe, intermediate and mild forms of dysentery). It is noted that the seriousness of the disease did not depend on the infecting dose of the bacteria. The diagnosis was confirmed by the bacterial investigation of feces and internal organs, as well as by means of phagocyte reaction and reaction of agglutination with sera of the kittens. Pathologico-anatomic and histological changes of internal organs of the kittens were characteristic

Card 2/3

41

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72175.

Abstract: for dysentery. The authors think that kittens must serve as an experimental-biological model for the study of the problems of pathogenesis and immunity from dysentery. — F. I. Yershov.

Card 3/3

USSR / Microbiology. Microbes Pathogenic to Man and Animals. Bacteria. Bacteria of the Intestinal Group. F-5

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72178.

Author : Golubeva, Ye. Ye.
Inst : Stavropol Scientific-Research Institute of Vaccine and Sera.
Title : Comparative Evaluation of Some Methods of Laboratory Diagnosis of Bacterial Dysentery in Experimental Animals.

Orig Pub: Sb. nauchn. tr. Stavropol'sk. n.-i. in-t vaktsin i syvorotok, 1957, vyp. 4, 117-124.

Abstract: 29 kittens aged 2-5 months were infected with Flexner dysentery microbes of types "c" and "f". During the incubation period, dysentery microbes of type "c" were isolated from the feces of only

Card 1/3

USSR / Microbiology. Microbes Pathogenic to Man and Animals. Bacteria. Bacteria of the Intestinal Group. F-5

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72178.

Abstract: 3 kittens. In the acute period, starting from 7-10th day to the 30th day of illness, bacterial inoculation increased sharply to 100%, after which its gradual decrease was observed (toward the 70th day up to 30-40%, and in later periods to 3-4%). In some of the kittens which were repeatedly infected on the 49-55th day with a Flexner dysentery of another type, the number of bacterial inoculations increased anew, reaching 100% toward the 13th day after repeated inoculation. Reaction of group precipitation with haptene was positive, starting from the 3-4th day of the incubation period in 25-50% of cases, and in 100% -

Card 2/3

Card 3/3

GOLUBEVA Ye. Ye.

F-5

USSR/Microbiology - Microorganisms Pathogenic to Humans and Animals.

Abs Jour : Ref Zhur - Biol., No 3, 1958, 9960

Author : Budylina, V.V., Illyutovich, A.Yu., Petrova, Z.S., Bodulina, T.V., Golubeva, Ye.Ye., Titrova, A.I., Chetverina, R.S.

Inst :

Title : Experimental Bacterial Dysentery.

Orig Pub : Byul. eksperim. biol. i meditsiny, 1957, 43, No 2, 70-75

Abstract : Kittens at the age of 2-5 months were infected by a suspension of Flexner dysentery culture (strain No 6176) mixed with milk. All 15 kittens became ill with typical dysentery clinical symptoms. Flexner dysentery bacilli were isolated from excreta and different organs. Accumulation of agglutinins in the blood was noted 6 days after infection, and lasted all through the illness. During severe and moderate gravity of dysentery an inhibition of the

Card 1/2

Cat

ILLYUTOVICH, A.Yu., PETROVA, Z.S., GOLUBEVA, Ye.Ye., CHETVERNINA, R.S.

Use of the phage increase reaction for detecting Flexner's bacillus in the organism of an infected rabbit [with summary in English]. Biul.eksp.biol. i med. 45 no.6:78-84 Je '58 (MIRA 11:8)

1. Iz Starvopol'skogo instituta vaktsin i syvorotok (dir. - kand.med. nauk V.M. Kruglikov). Predstavlena deystvitel'nym chlenom AMN SSSR L.A. Zil'berom.

(DYSENTERY, BACILLARY, experimental,
phage increase reaction in detection of bacilli (Rus))
(BACTERIOPHAGE,
increase reaction in detection of Shigella dysenteriae in rabbits (Rus))

ILLYUTOVICH, A.Yu.; PETROVA, Z.S.; CHETVERNINA, R.S.; GOLUBEVA, Ye.Ye.

Experimental and biological method for obtaining vaccinal strains of Flexner's bacillus and studies on the immunological effectivenss of live dysenterial vaccine. Biul.eksp.biol. i med. 48 no.10:62-68 O '59. (MIRA 13:2)

1. Iz Stavropol'skogo instituta vaktsin i syvorotok (dir. - kand. med.nauk V.M. Kruglikov). Predstavlena deystvitel'nym chlenom AMN SSSR V.I. Chernigovskim.

(VACCINES)
(DYSENTERY BACILLARY immunol.)

APOSTOLOV, B.G., kand.med.nauk; MAKHLINOVSKIY, L.I., kand.med.nauk; PETROVA, Z.S.; GOLUBEVA, Ye.Ye.; KHOTEYEVA, R.S.

Clinical and laboratory characteristics of coli enteritis; from data of the Children's Clinical Hospital in Stavropol. Sov.med. 24 no.11:96-100 N '60. (MIRA 14:3)

1. Iz kafedry detskikh bolezney (zav. - dotsent B.G.Apostolov) Stavropol'skogo meditsinskogo instituta, Stavropol'skogo instituta Vaktsin i syvorotok (dir. - kandidat meditsinskikh nauk V.M.Kruglikov).
(ESCHERICHIA COLI)
(STAVROPOL--INTESTINES--DISEASES)

ILLYUTOVICH, A.Yu.; APOSTOLOV, B.G.; PETROVA, Z.S.; MAKHLINOVSKIY, L.I.; GOLUBEVA, Ye.Ye.; KHOTEYEVA, R.S.

Diagnostic significance of immunological reactions in the isolation of E. coli in young children. Pediatriia no.5:47-51 '61. (MIRA 14:5)

1. Iz Stavropol'skogo instituta vaktsin i syvorotok (dir. - dotsent V.M. Kruglikova) i detskoy kliniki Stavropol'skogo meditsinskogo instituta (dir. - prof. V.G. Budylin, zav. kafedroy - kand.med.nauk B.G. Apostolov).
(ESCHERICHIA COLI)

ILLYUTOVICH, A.Yu.; PETROVA, Z.S.; KHOTEYEVA, R.S.; MAKHLINOVSKIY, L.I.; GOLUBEVA, Ye.Ye.; RAYKIS, B.N.

Experimental biological model of colienteritis and some problems in the pathogenesis of this infection. Zhur. mikrobiol., epid. i immun. 33 no.1:83-89 Ja '62. (MIRA 15:3)

1. Iz Stavropol'skogo instituta vaktsin i syvorotok.
(ESCHERICHIA COLI)
(INTESTINES—DISEASES)

GOLUBEVA, Z., strakhovoy delegat; RAIMOVA, N., strakhovoy delegat

Help for sick co-workers. Okhr. truda i sots. strakh. 5 no.9: 19 S '62. (MIRA 16:5)

1. Chulochno-trikotazhnaya fabrika, Smolensk.
(SMOLENSK--KNIT GOODS INDUSTRY--HYGIENIC ASPECTS)

S/137/60/000/01/04/009

Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No 1, p 169, # 1135

AUTHOR: Golubeva, Z.N.

TITLE: Increased Efficiency of Gas-Welding Process

PERIODICAL: Tr. Vses. n.-i. in-ta avtogen. obrabotki metallov, 1959, No 5, pp 252 - 255

TEXT: Information is given on the technology of welding low-carbon steel with a C_2H_2-O_2-oxidizing flame and a ratio of the gas volumes in the burning mixture $\beta = O_2/C_2H_2 = 1.4$; a CB-10ГС (SV-10GS) welding rod of the following composition (in %) is used: C $\leq$ 0.14, Si 0.8-1.1; Mn 0.6-0.9; Cr $\leq$ 0.2; Ni 0.3; S 0.03; P 0.04. If β increases from 1.1 to 1.5, the effective power of the flame is raised. To protect the molten metal against oxidation, it is necessary to introduce Mn, Si and other elements into the filler metal, which are able to deoxidize the molten metal and to improve the mechanical properties of the weld joint. If "SV-10GS" welding

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rods are used, σ_b of the seam is 42 kg/mm^2 (in welding St2 or St3 metal σ_b = 34 - 38 kg/mm^2). Depending on the metal thickness efficiency of welding increased by 30 - 40% and in welding with beveling of edges up to 50 - 60%. For metal of 3-mm thickness the economy of material per 1 running meter was 30 - 32%; for 10 mm thickness it was 15 - 17%.

G.K.

GOLUBEVA, Z.S.; KALOSHINA, O.V.; SOKOLOVA, N.I.; ORLOV, P.M., doktor tekhn. nauk, prof. red.; PLESHKOV, B.I., red.; GOR'KOVA, Z.D., tekhn.red.

[Practical laboratory manual for work in surveying] Posobie k laboratorno-prakticheskim zaniatiiam po geodezii. Pod red. P.M. Orlova. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 181 p. (MIRA 11:7)
(Surveying)

GOLUBEVA, Zinaida Sergeyevna; KOROBANOV, Yevgeniy Zakharovich; ORLOVA, Zoya Pavlovna; TSIUNCHIK, R.I., spetsredaktor; KUZMINA, V.S., red.; CHEBYSHEVA, Ye.A., tekhn. red.

[Hydraulic engineering and improvements in fish culture] Rybokhoziaistvennaia gidrotekhnika i melioratsiia. Moskva, Pishchepromizdat, 1957. 299 p. (MIRA 11:6)
(Hydraulic engineering) (Fish culture)

GOLUBEVA, Z.S., assistent

Linear planimeter and how to use it for determining areas of agricultural land from charts. Izv.TSKhA no.3:221-237 '59. (MIRA 12:10)

(Planimeter) (Agriculture--Maps)

GOLUBEVA, Z.S.; KALOSHINA,O.V.; SOKOLOVA, N.I.; ORLOVA, V.P., red.; MAKHOVA, N.N., tekhn. red.

[Textbook for laboratory and practical work in geodesy] Posobie k laboratorno-prakticheskim zaniatiiam po geodezii. Izd.2. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1961. 222 p. (MIRA 15:4)

(Geodesy)

ORLOVA, Z.P.; GOLUBEVA, Z.S.; TITOVA, V.A., red.

[Hydraulic structures in fishpond farms] Gidrotekhnicheskie sooruzheniia v rybovodnykh prudovykh khoziaistvakh. [n.p.] Rosvuzizdat, 1963. 138 p.
(MIRA 17:9)

GOLUBEVA, Z.Ye.

Hygiene in childhood in the works of N.F. Filatov. Vop. okhr. mat. i det. 6 no.6:89-91 Je '61. (MIRA 15:7)

1. Iz kafedry gigiyeny detey i podrostkov (zav. prof. A.Ya. Gutkin) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(FILATOV, [redacted] FEDOROVICH, 1847-1902)
(CHILDREN--CARE AND HYGIENE)

SHOGAM, S.M.; FEN'KOVA, Ye.I.; GAR, K.A.; POSLAVSKIY, Yu.M.; GOLUBEVA, Z.Z.

Investigation of fillers and selection of appropriate machinery for the production of new organic powder insecticides. [Trudy] NIUIF no.164:3-5 '59. (MIRA 15:5)
(Insecticides)

POSLAVSKIY, Yu.M.; GOLUBEVA, Z.Z.; GAR, K.A.

Application of DDT dust combined with chlorinated terpenes against cotton bollworms. [Trudy] NIUIF no.171:81-83 '61. (MIRA 15:7)

(Bollworm) (DDT (Insecticide)) (Chlorine organic compounds)

GOLUBIC, M.

U-11

YUGOSLAVIA / Farm Animals. HoneyProducing Bees.

Abs Jour : Ref Zhur - Biologiya, No 16, 1957, 72225

Author : Golubic, M., Goluhic, N.

Title : The Importance of Pollen to Bees.

Orig Pub : Poelarstvo, 1956, 11, No 3, 66-71

Abstract : During the winter, there are two circular layers in the hives; the inner, closest to the offspring, consists of "perga", and the outer layer consists of honey. In October, when there are no grubs, the bees carry the "perga" to the center of the hive for their own nutrition, for the feeding of the queen bee, and for the nourishment of the early grubs. The bees, feeding on "perga", renew their fatty tissues and secrete wax freely. The nectar content of Castanea sativa is considerably lower than that of Satureia montana but bee-families collecting

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Card : 1/2

YUGOSLAVIA / Farm Animals. Honey Producing Bees.

U-11

Abs Jour : Ref Zhur - Biologiya, No 16, 1957, 72225

Abstract : from the chestnut tree are more energetic, build more and develop more rapidly, whereas those feeding on S. montana become weaker and there is a decrease in their offspring. This can be attributed to the fact that the C. Sative gives a large quantity of pollen, while S. montana is poor in pollen.

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GOLUBIC, N.

U-11

YUGOSLAVIA / Farm Animals. HoneyProducing Bees.

Abs Jour : Ref Zhur - Biologiya, No 16, 1957, 72225

Author : Golubic, M., Goluhic, N.
Title : The Importance of Pollen to Bees.

Orig Pub : Pcelarstvo, 1956, 11, No 3, 68-71

Abstract : During the winter, there are two circular layers in the hives; the inner, closest to the offspring, consists of "perga", and the outer layer consists of honey. In October, when there are no grubs, the bees carry the "perga" to the center of the hive for their own nutrition, for the feeding of the queen bee, and for the nourishment of the early grubs. The bees, feeding on "perga", renew their fatty tissues and secrete wax freely. The nectar content of Castanea sativa is considerably lower than that of Satureia montana but bee-families collecting

Card : 1/2

YUGOSLAVIA / Farm Animals. Honey Producing Bees. U-11

Abs Jour : Ref Zhur - Biologiya, No 16, 1957, 72225

Abstract : from the chestnut tree are more energetic, build more and develop more rapidly, whereas those feeding on S. montana become weaker and there is a decrease in their offspring. This can be attributed to the fact that the C. Sative gives a large quantity of pollen, while S. montana is poor in pollen.

Card : 2/2

GOLUBIC, Stjepko

Contribution to the knowledge of the climate of the coastal section of Yugoslavia; using Walter's climate diagrams. Geogr.glas. no.20: 139-148 '58 (Published 1959). (EEAI 9:5)

(Yugoslavia--Climate)

L 29457-66

ACC NR: AT5027516 (N) SOURCE CODE: YU/2501/64/011/01-/0111/0114

36
B41

AUTHOR: Golubic, Stjepan; Haber, Miroslav

ORG: Institut za biologiju mora, Rovinj (Institute of Marine Biology)

TITLE: Problems of light measurement in the Adriatic Sea

SOURCE: Split. Institut za oceanografiju i ribarstvo. Acta Adriatica, v. 11, no. 1-42, 1964. Simpozij Jugoslavenskih oceanografa, Split, 16 i 17 X 1962, 111-114

TOPIC TAGS: light biologic effect, light refraction, light reflection, underwater light, oceanography, light dispersion

ABSTRACT: This study concerns the reflection, refraction, extinction, and dispersion of light. The experiments were carried out in waters of the Banjole and Limskiy Canal in the Adriatic Sea. Penetration of light about an immersed artificial source light, and dependence of light intensity on penetration depth were measured and all possible sources of error taken into account. The effect of light on marine biology, and on the production and behavior of the living organisms in sea water was also investigated. Detailed data of this study will be published in the periodical "Thalassia Jugoslavica." Orig. art. has: 1 formula and 4 figures.

SUB CODE: 08,20 / SUBM DATE: none

Card 1/1

GOLUBIC, S.

Hydrostatic pressure, light, and submarine vegetation in Vranjsko jezero. Bul sc Youg 6 no.2: Je '61.

1. Bioloski institut Jugoslavenske akademije znanosti i umjetnosti, Zagreb.

(Yugoslavia—Limnology)

GOLUBIEW, W.

PHASE I BOOK EXPLOITATION POL/4355

Polskie towarzystwo matematyczne

Prace Matematyczne, Seria I, II, 2 (Mathematical Transactions, Series I, vol. II,2) Warszawa, Państwowe wyd-wo naukowe, 1958. 195 p. Errata slip inserted. 1,000 copies printed.

Editorial Board: Władysław Orlicz (Chief Ed.), Stefan Drobot (Deputy Chief Ed.), Adam Bielecki, Stanisław Hartman, Jan Mikusiński, Roman Sikorski, Marceli Stark, Hanna Szmuszkowicz, Krzysztof Tatarkiewicz, and Włodzimierz Wrona.

PURPOSE: This book is intended for mathematicians

COVERAGE: The book contains 14 articles dealing with algebra, the theory of games, analysis, geometry, and two general mathematical topics. Summaries appear in Russian and English. No personalities are mentioned. References accompany individual articles.

Straszewicz, S. (Warsaw). On the Basic Theorems in Lobachevskiy's Trigonometry 269

Wilniewczyc, R. (Wrocław). The Geometry of a Group of Affine Transformations for Which A Parabola Remains Invariant 287

Krasnodębski, R. (Wrocław). The Differential Invariants of the Curve in A Symplectic Space 299

Mrówka, S. (Warsaw). On the Topology of the Spaces of Closed Subsets 309

Mostowski, A. Włodzimierz (Warsaw). The Direct Sums of Cyclic Groups 319

Meder, J. (Szczecin). Application of the Mazur Theorem on Convergence Multipliers to the Sequences Limitable by the Euler-Knopp Method 329

Krzywicka, E. (Wrocław). On the Solutions of the Differential Equation $x^{(n)} + A(t)x = 0$ Satisfying the Conditions at Several Points 337

Golubiew, V. On Twin Numbers 352

Łaszczki, Z. (Wrocław). Application of the Generalized Bernstein Polynomials to the Proof of a Certain Theorem on Mixed Partial Derivatives 355

Ciesielski, L. (Poznań). On Some Inequalities 361

Reports From Scientific Sessions of the Polish Mathematical Society 368

AVAILABLE: Library of Congress

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10/19/60

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(10)

GOLUBIN, Ye.A. (Sverdlovsk); KUZNETSOV, N.D. (Sverdlovsk)

Experimental results of nonsynchronous switching-in of single tandem lines. Elektrichestvo no.4:81-82 Ap '60. (MIRA 14:4)
(Telephone, Automatic)

GOLUBIN, Ye.A., inzh. (Chelyabinsk); CHISTYAKOV, B.N., inzh. (Chelyabinsk).

Optimum regulation of potential in 500 kv. power transmission lines. Elektrichestvo no.8:87-88 Ag '65. (MIRA 18:9)

GOLUBINA, O. I.; MIKOL'CHIK, A. V.;

"Non-metallic inclusions in Acid Chromium-nickel-molybdenum Steel," Proizvodstvo Stali (Steel Production) Moscow, Mashgiz, 1958. 154 p.

PURPOSE: This book published on the 25th anniversary of the Ural mashzavod(Ural Heavy Machine-building Plant imeni S Ordzhonikidze) is intended for engineers, technicians and scientific workers concerned with the production of steel.

SOV/137-59-2-2699

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 2, p 62 (USSR)

AUTHORS: Mikul'chik, A. V., Golubina, O. P.

TITLE: Nonmetallic Impurities in Acid Chrome-nickel-molybdenum Steel (Nemetallicheskiye vklyucheniya v kisloy khromonikelemolibdenovoy stali)

PERIODICAL: Sb. statey. Ural'skiy z-d tyazh. mashinostr. im. S. Ordzhonikidze, 1958, Nr 3, pp 116-127

ABSTRACT: The authors determined the quality of 34KhN3M steel [contamination with nonmetallic impurities (NI) and mechanical properties] in relation to different factors of the technique used in its smelting and casting. The composition of NI was determined throughout the course of smelting and casting and also in the finished metal. The steel was smelted by a silica-reduction semi-duplex process in an acid open-hearth furnace into which the molten metal was delivered from a basic open-hearth furnace. Smelting operations were carried out with and without addition of Fe-Mn through the boil period and the steel was deoxidized either with Fe-Mn alone or with Fe-Mn and Fe Si (10%). It was established that the mechanical properties of the steel determined in testing of forged specimens of all the batches investigated (after

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Non-metallic Impurities in Chrome-nickel-molybdenum Steel

quench-hardening and tempering) for tensile strength and notch-impact properties satisfy the GOST standards. The deoxidation of steel with Fe-Mn or blast-furnace Fe-Si and the absence of additions of Fe-Mn in the course of a heat has no effect on the mechanical properties of a steel. NI through the course of the smelting resemble at first the NI of basic steel with a high content of free oxides of Al and Fe; later, they approach the NI which are characteristic for test samples taken from ingots of acid steel of the silica-reduction process having a high SiO_2 content. The NI content which is high when the steel is first melted decreases throughout the course of the boil and increases before it is tapped from the furnace through the addition of alloying additives, and then again decreases in the ladle and during the casting into molds. The finished metal, regardless of the deoxidation and addition of Fe-Mn in the course of a heat, contains on the average (from 5 batches) 0.0134% NI with a high silicate content. The absence of Fe-Mn additions through the course of a heat and the deoxidation with Fe-Si has no effect on the composition and structure of NI.

V. M.

Card 2/2

GOLUBINSKAYA, A.P.; GOGIN, Yu.A.

Demonstrating the action of muscle groups. Biol. v shkole no.1: 86-87 Ja-F '62. (MIRA 15:1)

1. Gor'kovskiy pedagogicheskiy institut.
(MUSCLES)

GOLUBINSKAYA, G. V.

"The Effect of Various Methods of Watering (Sprinkling and Channel Watering) on the Water Regime, Growth, Development, and Yield of Cotton Plants in the Low-Quality Soils of the Shamkhorskiy Rayon." Cand Biol Sci, Inst of Botany imeni V. L. Komarov, Acad Sci Azerbaydzhan SSR, 30 Nov 54. (BR, 20 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

GOLUBINSKAYA, G.V.

USSR / Cultivated Plants. Plants for Technical Use. II
Oil Plants. Sugar Plants.

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34722

Authors : Golubinskaya, G.; Romanovich, L.
Inst Sprinkling Station of Aberbaydzhan
Title : Certain Suggestions for Cotton Plant Cultures with Irrigation by Spraying as Compared with Furrow Irrigation.

Orig Pub : Sots. s. kh. Azerbaydzhana, 1957, No 6, 56-69

Abstract : Experiments, conducted by the SSA during the years 1950-1956 with the cotton plant variety 1293, have shown that under equal technical agronomy conditions spraying by means of the sprinkling units KDU-41 and KDU-43 is most beneficial to the vitality of the cotton plant when compared to mere furrow irrigation. The

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USSR / Cultivated Plants. Plants for Technical Use. II
Oil Plants. Sugar Plants.

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34722

average crop increase for all years amounted to 16.3%, and in some of the years rose to 33%. Spraying also increased the absolute weight of the cotton plant seeds, the vigor of shrubs and the number of bolls. The water rate for 1 hwt of raw cotton wool decreased by 29.4% as compared with the budget required by irrigation along the furrows. -- Smirnov.

Card 2/2

GOLUBINSKAYA, G.V.

Effect of different irrigation methods on the water regimen and development of the cotton plant. Trudy Inst.bot.AN Azerb.SSR 21:75-121 '59. (MIRA 13:3)
(Azerbaijan--Cotton growing)
(Sprinkler irrigation)

ISMAILOV, A.I.; GOLUBINSKAYA, G.V.; TALYBOV, G.Kh.

Irrigation erosion of soils in cotton plantations on collective farms in Shamkhor District, Azerbaijan S.S.R. Trudy Sekt. eroz. AN Azerb. SSR 1:169-181 '61. (MIRA 15:8)
(Shamkhor District--Irrigation--Erosion)

ROZENFEL'D, D.B.; GOLUBINSKAYA, K.P.; ZHURAVLEVA, N.M.; SEMENOVA, I.P.; RYURIKOVA, L.N.; GUL'DYASHEVA, T.A.

Rapid laboratory diagnosis of colienteritis with the use of TTC bouillon. Lab. delo 10 no.4:234-236 '64. (MIRA 17:5)

1. Sanitarno-bakteriologicheskiye laboratorii sanitarno-epidemiologicheskikh stantsiy Podol'ska, Noginska, Klina, Zagorska, Pushkino Moskovskoy oblasti.

DRABKIN, A.Ye.; BABIN, I.N.; GOLUBINSKAYA, M.A.

Composition of shale gas. Trudy VNIIPS no.6:107-119 '58.
(MIRA 11:8)

(Gas--Analysis)

DROBKIN, A.Ye.; Prinimali uchastiye: GOLUBINSKAYA, M.A.; KRYLOVA, L.M.; [illegible]EDNIKOVA, V.M.

Naphthalene and ammonia content of oil-shale gas. Trudy VNIIT no.10: 91-95 '61. (MIRA 15:3)
(Oil shales)(Naphthalene)(Ammonia)

DRABKIN, A.Ye.; GOLUBINSKAYA, M.A.

Possibility of obtaining colloidal sulfur during the purification of shale gas. Trudy VNIIT no.12:181-188 '63. (MIRA 18:11)

DRABKIN, A.Ye.; ZHUKOVA, N.N. [deceased]; Prinimali uchastiy GOLUBINSKAYA, M.A.; NIKITINA, N.V.

Removing hydrogen sulfide from gas with arsenite-arsenate solutions. Trudy VNIIT no.12:189-197 '63. (MIRA 18:11)

ZIN'KOVSKIY, Vasiliy Maksimovich; GOLUBINSKAYA, Ye.S., redaktor; PERESYPKINA, Z.D., tekhnicheskiy redaktor

[Indoor cultivation of lemons] Komnatnaia kul'tura limona. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 26 p. (MLRA 9:9)
(Lemon)

GRUZDOV, S.F. [deceased]; SMOL'YANINOVA, N.K.; NITOCHKINA, A.P.; GOLUBINSKAYA, Ye.S., redaktor; PAVLOVA, M.M., tekhnicheskiy redaktor

[Raspberries and blackberries] Malina i ezhevika. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 156 p. (MLRA 9:8)
(Raspberries) (Blackberries)

BRINK, Nikolay Petrovich; GOLUBINSKAYA, Ye.S., redaktor; PEVZNER, V.I., tekhnicheskiy redaktor; PERESYPKINA, Z.D., rekhnicheskiy redaktor

[Spicy plants] Prianye rastenila. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 174 p. (MIRA 9:11)
(Condiments) (Plants, Edible)

BYTOV, Mikhail Vasil'yevich, 1846-1920; TSVETKOVA, V.A., redaktor; GOLUBINSKAYA, Ye.S., redaktor; SOKOLOVA, N.N., tekhnicheskiy redaktor; GUREVICH, M.M., tekhnicheskiy redaktor

[Selected works] Izbrannye trudy. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 250 p.
(Botany) (MLRA 9:11)

GOLUBINSKAYA, Ye.S., red.

[Achivements of vegetable growers; a collection of articles] Dostizheniia ovoshchevodov; sbornik statei. Moskva, Gos. izd-vo selkhoz lit-ry, 1957. 141 p. (MIRA 11:4)
(Vegetable gardening)

GOLUBINSKAYA, YE.S.

BARSUKOV, N.I., kand.sel'skokhozyaystvennykh nauk; KIZYURIN, A.D., doktor sel'skokhozyaystvennykh nauk; BORINEVICH, V.A., kand.sel'skokhozyaystvennykh nauk; BORMUSOVA, S.N., agronom; VERMENICHEVA, M.D., kand. sel'skokhozyaystvennykh nauk; GEGHELE, E.E., doktor biol. nauk; GOROKHOV, G.I., kand.sel'skokhozyaystvennykh nauk; GUBKIN, S.M., kand. veterinarnykh nauk; YELYKOVA, L.I., kand.sel'skokhozyaystvennykh nauk; KOTT, S.V., doktor biol. nauk; KOCHKINA, V.A., agronom; LAMBIN, A.Z., doktor biol.nauk; LEBEDEVA, Ye.M., agronom; MALAKHOVSKIY, A.Ya., doktor sel'skokhozyaystvennykh nauk; MAYBORODA, N.M., kand. sel'skokhozyaystvennykh nauk; MAYDANYUK, A.E., zootekhnik; OVSYANNIKOV, G.Ye., kand.sel'skokhozyaystvennykh nauk; PETROV, F.A., kand.biol.nauk; POGORELOV, P.F., agronom; POLKOSHNIKOV, M.G., dotsent; RENARD, G.K., kand. sel'skokhozyaystvennykh nauk; RUCHKIN, V.N., prof.; SADYRIN, M.M., kand.sel'skokhozyaystvennykh nauk; TOBOL'SKIY, V.YA., vetvrach; TYAZHEL'NIKOV, S.D., kand.sel'skokhozyaystvennykh nauk; UKHIN, I.I., kand.sel'skokhozyaystvennykh nauk; FEDOROV, G.V., kand.sel'skokhozyaystvennykh nauk; CHIRKOV, D.I., zootekhnik; TSINGOVATOV, V.A., prof.; SHVETSOVA, A.N., kand.sel'skokhozyaystvennykh nauk; SHEVLYAGIN, A.I., kand.sel'skokhozyaystvennykh nauk; SEMENOVSKIY, A.A., red.; GOLUBINSKAYA, Ye.S., red.; MECHAYEVA, Ye.G., red.; PERESYPKINA, Z.D., tekhnicheskiy red.

[Siberian agronomist's reference manual] Spravochnaia kniga agronoma Sibiri. Moskva, Gos. izd-vo sel'khoz. lit-ry, Vol.2. 1957. 839 p.
(Siberia--Agriculture) (MIRA 11:3)

URSULENKO, P.K., red.; GOLUBINSKAYA, Ye.S., red.; PEVZNER, V.I., tekhn. red., DEYEVA, V.M., tekhn. red.

[Fruit growers' achievements; a collection of articles] Dostizheniia sadovodov; sbornik statei. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 196. (MIRA 11:11)

(Fruit culture)

GOLUBINSKAYA, Ye.S., red.

[Private orchard] Priusadebnyi sad. Moskva, Gos. izd-vo selkhoz lit-ry, 1958. 295 p. (MIRA 11:12)
(Fruit culture)

GOLUBINSKIY, A.I. (Moskva)

Traveling shock wave flow about a moving plate. Inzh.zhur. 1 no.2:26-30 '61. (MIRA 14:12)
(Shock waves) (Aerodynamics, Supersonic)

L 15597-63 EPA(b)/EWT(1)/EDS/ES(v) AEDC/AFFTC/ASD/AFMDC Pd-4/Pc-4
ACCESSION NR: AP3006345 S/0258/63/003/003/0442/0445

AUTHOR: Golubinskiy, A. I. (Moscow) 64

TITLE: Lift and moment of a thin airfoil in an arbitrary nonsteady flow

SOURCE: Inzhenerny*y zhurnal, v. 3, no. 3, 1963, 442-445

TOPIC TAGS: thin airfoil, subsonic flow, supersonic flow, lift, moment, nonsteady flow, reverse flow, reverse flow theorem, linearized theory

ABSTRACT: Nonsteady subsonic and supersonic flows over a thin airfoil are considered within the limits of linearized theory. The reverse-flow theorem is generalized for the case of an arbitrary nonsteady flow by using the analogy between a nonsteady flow over an airfoil and a steady flow over an equivalent three-dimensional wing. The lift and moment of an airfoil in the general case are presented as a double integral (with respect to time and the chord of the airfoil). Expressions for lifting force and airfoil moment at an arbitrary time are derived. Orig. art. has: 10 formulas and 1 figure.

ASSOCIATION: none

SUBMITTED: 03Nov62 DATE ACQ: 27Sep63 ENCL: 00
SUB CODE: AI NO REF SOV: 003 OTHER: 002

1/1

GOLUBINSKY, A.I. (Moscow):

"Exact solution of the problem of diffraction of the incident shock wave around a wedge moving at a supersonic speed."

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 Jan - 5 Feb 64.

L 2118-65 EWT(1)/EPA(b)/FCS(k)/EWA(h) Pd-4/Pi-4 AFWL/AFETR/ASD(d)/
BSD/AEDC(a)/SSD/ASD(f)/ASD(p)-3
ACCESSION NR: AP4043297 S/0040/64/028/004/0778/0779

AUTHOR: Golubinskiy, A. I. (Moscow) 25

TITLE: Shock wave running against a wedge which moves with a supersonic speed

SOURCE: Prikladnaya matematika i mekhanika, v. 28, no. 4, 1964, 778-779

TOPIC TAGS: shock wave, mach number, supersonic speed

ABSTRACT: If a plane shock wave runs under a certain angle against a body which is moving in a gas with a supersonic speed, then, in approaching the body, the wave first interacts with the head shock wave in front of the body, and then a complex diffraction pattern develops of the shock wave in the vicinity of the moving body; in the general case, there are new reflected shock waves and discontinuities. However, in some cases the pattern is simple, and can easily be computed. Certain relationships must be fulfilled between the wedge angle, the supersound speed of the body, the velocity of the plane shock wave, and the angle between the directions of motion of the body and the wave. Orig. art. has: 2 figures and 8 equations.

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L 2118-65
ACCESSION NR: AP4043297

ASSOCIATION: None

SUBMITTED: 27Jan64 [illegible] (X) ENCL: 00

SUB CODE: ME NO REF SOV: 000 OTHER: 001

Card 2/2

L 23457-66 EWT(d)/EWT(l)/EWP(m)/EWT(m)/EWP(w)/EWA(d)/T-2/EWP(t)/ETI(h)/ETC(m)-6/
ACC. NR: AP6010856 SOURCE CODE: UR/0421/66/000/001/0145/0149
EWA(1) EM
AUTHOR: Golubinskiy, A. I. (Moscow); Ivanov, A. N. (Moscow)

ORG: none

TITLE: Certain exact solutions for the problem of supersonic and hypersonic gas flows past a swept wing with a tip fin

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 1, 1966, 145-149

TOPIC TAGS: supersonic aerodynamics, hypersonic aerodynamics, supersonic flow, hypersonic flow, lift, drag, friction drag, wave drag, reflected shock wave, swept back wing

ABSTRACT: Certain exact solutions for the problem of supersonic and hypersonic flows past a swept wing with a longitudinal fin located at the wing tip are presented. These solutions are obtained without application of small disturbance theory which in a special case describes the flow past two intersecting swept wings. The author stresses the occurrence of the phenomenon of strong interference at high speeds when local pressures far exceeding the pressures on an isolated wing, appear as the result of interference. Flow past a swept wing section with a plane fin ODF (see Fig. 1) located at the wing tip parallel to the direction of flow and making an angle ξ with the y-axis is considered. Formulas are established which express the angles of incident w_1 and reflected w_2 shock waves and two equations which relate

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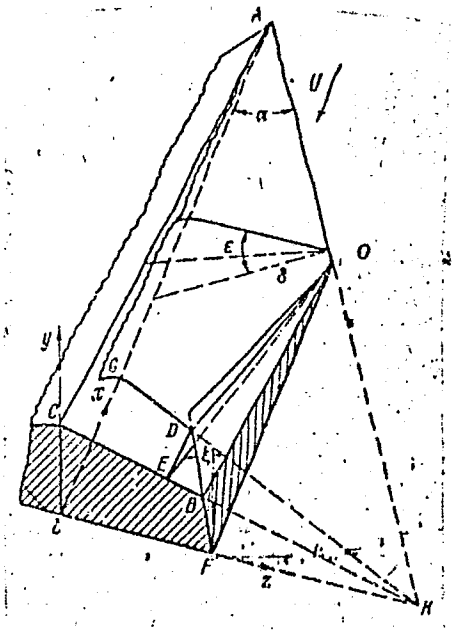

Fig. 1. Wing configuration.

seven parameters M_0, α, δ, ε, ξ, w_1 and w_2 are established. The domain of the existence of solutions considered here is analyzed in the case of symmetrical reflection, that is, when $w_1 = w_2$ and is presented in graph for $\gamma = 1.4$ and $\gamma = 1.67$. The case when sweep back angle α tends to zero and M_0 tends to infinity is also considered. Expressions for lift Y_1 on the wing surface adjacent to the fin and for lift Y_2 on a wing surface with no fin are derived for $\xi = 0$, $M_1 \longrightarrow \infty$ and $\gamma \longrightarrow 1$. A comparison showed that a strong lift equal to that on the cut-off section of the wing is generated at the wing-fin junction and makes it possible to assume that the low shock is strongly reflected from the fin. The drag forces acting on the wing section with the tip fin in case of hypersonic flow are evaluated, and as the wave drag tends to zero with $\alpha \longrightarrow 0$, the total drag is determined by the friction drag. It is pointed out that at $\gamma = 1$, the supplementary forces on the wing created by tip fin are comparable to those acting on the cut-off section of the wing. The friction drag on a wing with fin X_{f1} and on the cut-off section X_{f2} are determined by means of an

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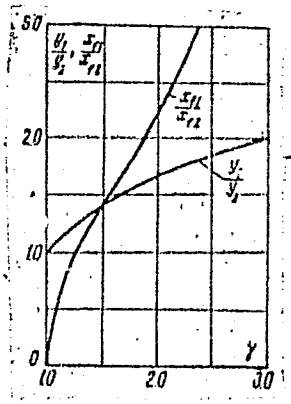


Fig. 2. Lift and friction drag at $\xi = 0$.

approximate formula derived by V. A. Bashkin, and compared. The dependence of friction drags X_{f1}/X_{f2} on γ at $\xi = 0$ is given in Fig. 2. The authors thank V. V. Struminskiy, V. V. Sychev, and V. N. Zhigulev for the discussion of the results. Orig. art. has: 5 figures and 12 formulas. [AB]

SUB CODE: 20/ SUBM DATE: 19Jul65/ ORIG REF: 005/ OTH REF: 002/ ATD PRESS: 4232

Card 4/4 UDC

GOLUBINSKIY, A.P.; IGOSHIN, M., redaktor; ZHURAVLEV, A., tekhnicheskiy redaktor.

[How to build a water sports installation and a swimming pool] Kak postroit' stantsiiu i bassein dlia plavaniia. Moskva, Izd-vo Dosaaf, 1952. 20 p. (MLRA 8:2)
(Swimming pools) (Aquatic sports)

GOLUBINS'KIY, I.M.

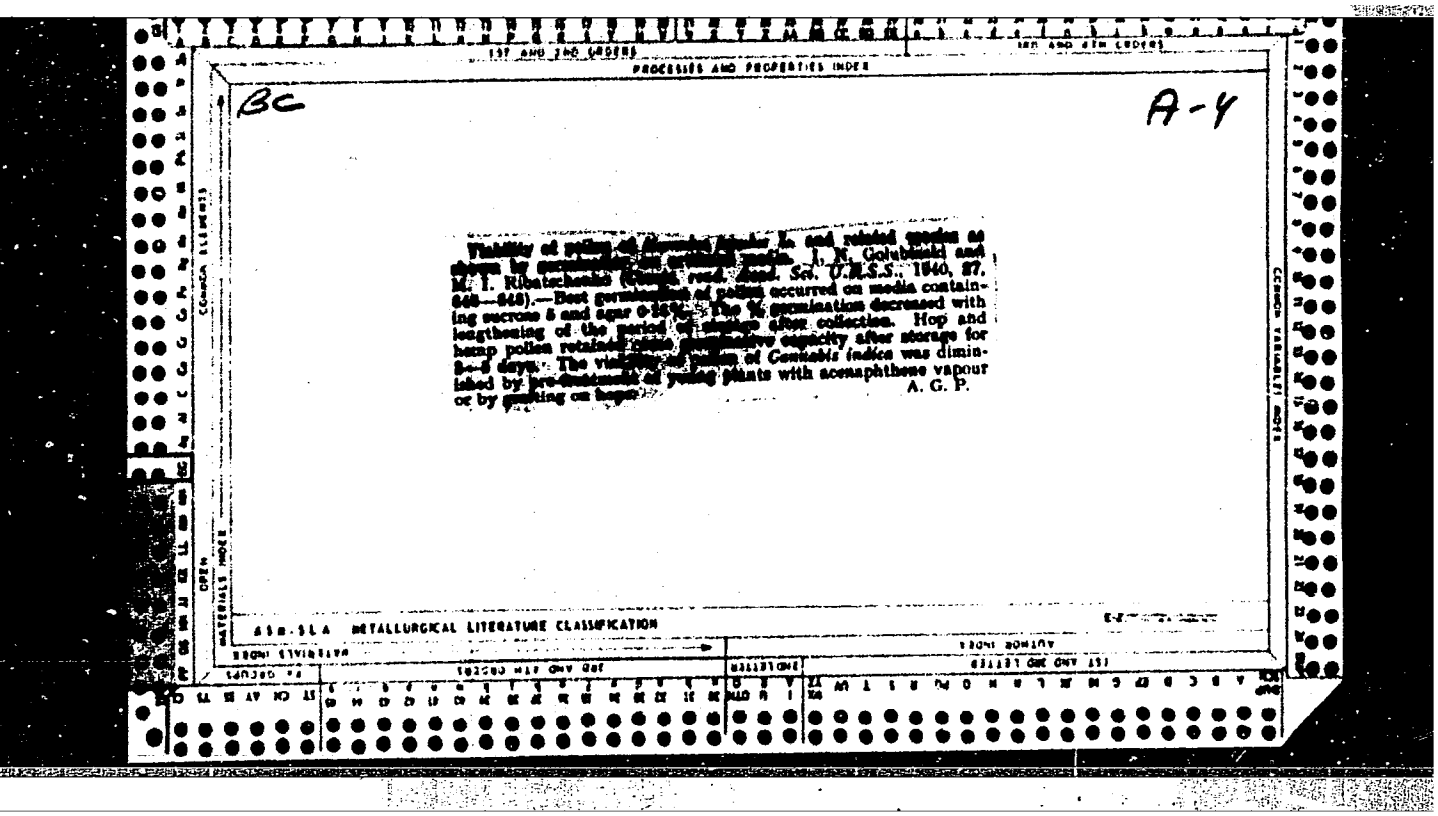
Increased immunity of hops against the fungus Pseudoperonospora humuli Wils. by means of vegetative hybridization. Bot.zhur.[Ukr.] 9 no.2:88-89 '52. (MLRA 6:11)

1. Sortodilyanka ovochevikh kultur Kostopil', Rovens'koi oblasti. (Hops--Diseases and pests)

GOLUBINS'KIY, I.M.

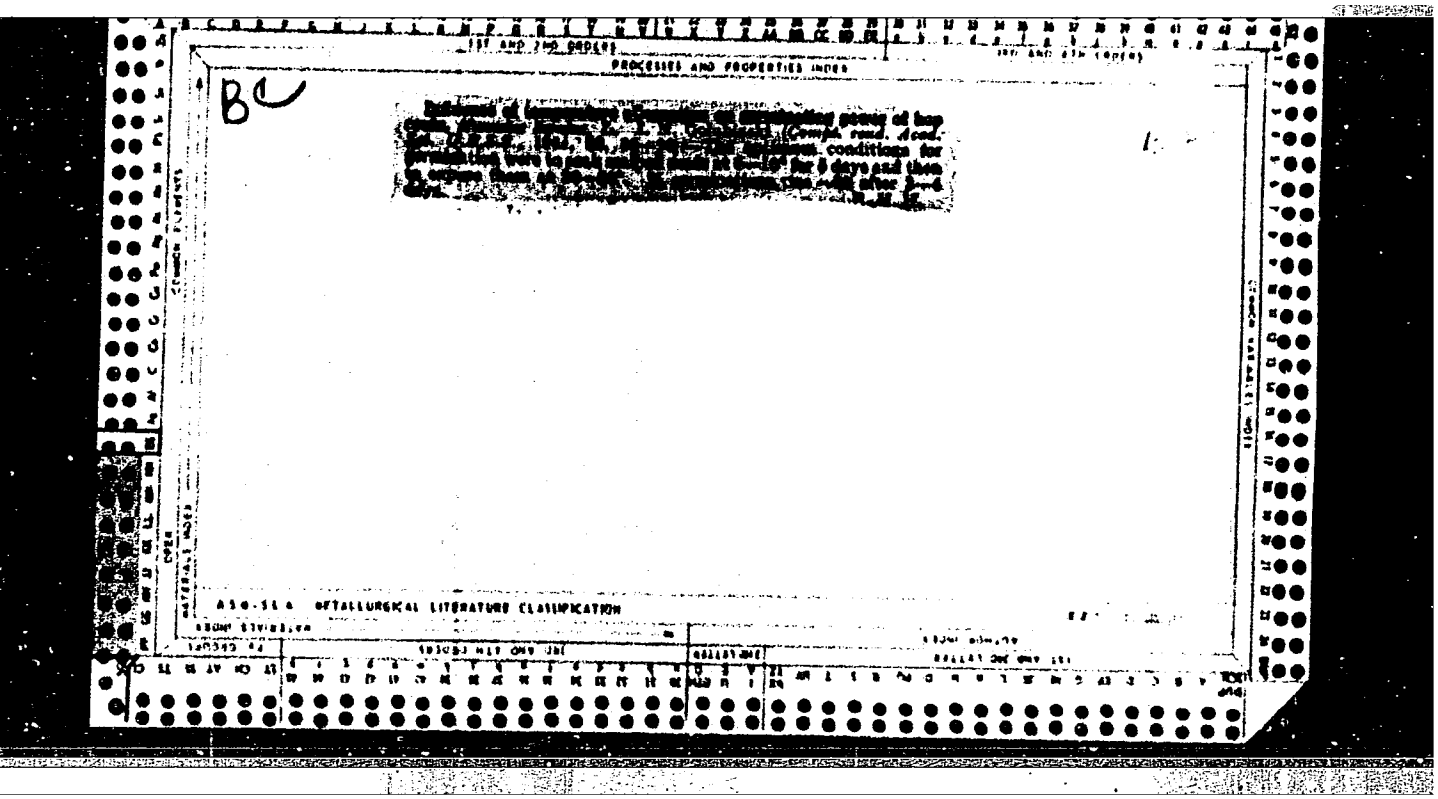
Effect of low temperatures on the germination of pollen grains of certain plants. Bot.zhur. [Ukr.] 12 no.4:35-40 '55. (MLRA 9:3)

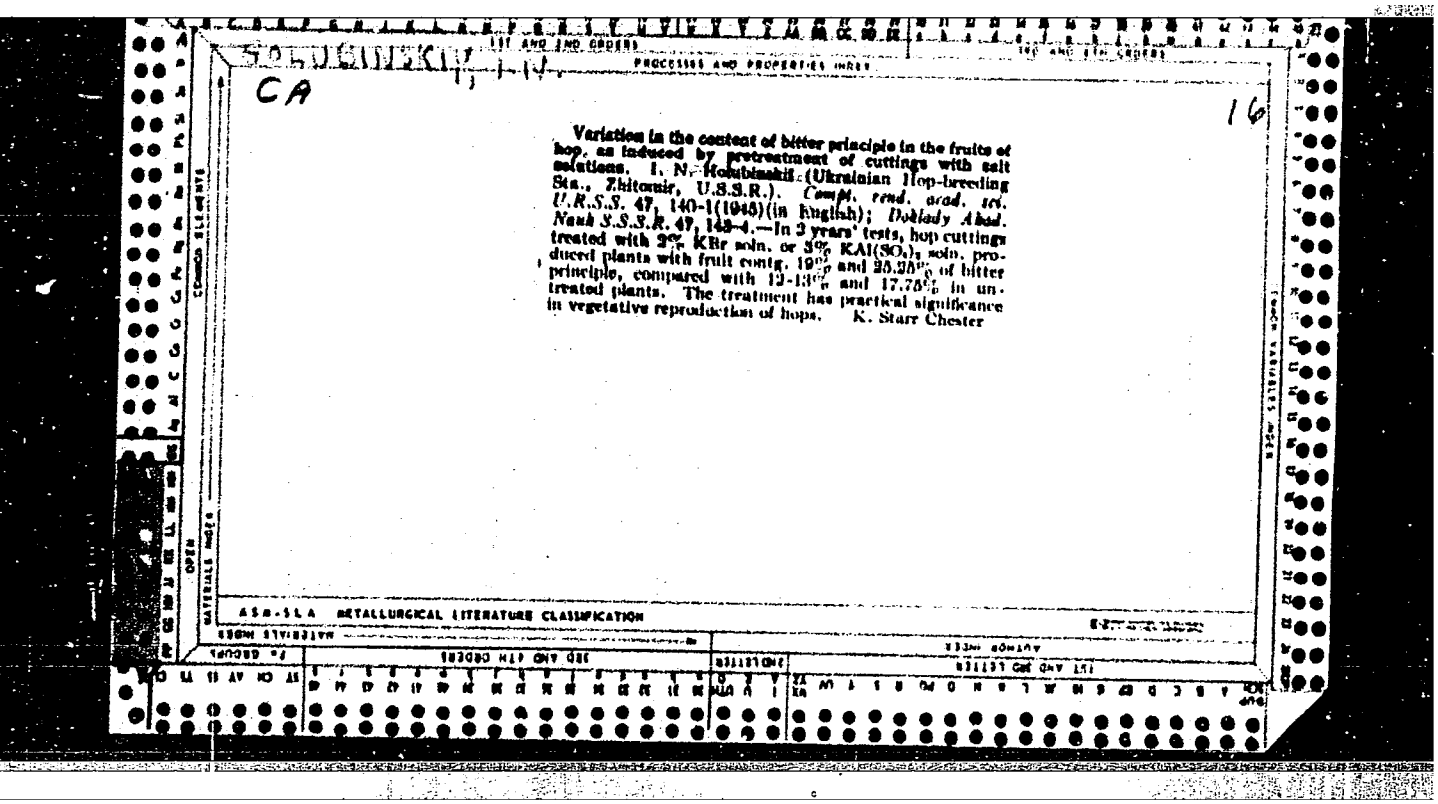
1. Sortodil'nitsya ovochevikh kul'tur, m. Kostopil', Rovens'koy oblasti.
(Germination) (Plants, Effect of temperature on)



Viability of pollen of *Cannabis sativa* L. and related species as shown by germination on artificial media. I. N. Golubinskii and M. T. Ribatchenko (Compt. rend. Acad. Sci. U.R.S.S., 1940, 27, 846—848).—Best germination of pollen occurred on media containing sucrose 5 and agar 0·15%. The % germination decreased with lengthening of the period of storage after collection. Hop and hemp pollen retained germinative capacity after storage for 5—6 days. The viability of pollen of *Cannabis indica* was diminished by pre-treatment of young plants with acenaphthene vapour or by smoking on hemp.

A. G. P.





SOLODUNSKII, I. I.

CA

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Variation in the content of bitter principle in the fruits of hop, as induced by pretreatment of cuttings with salt solutions. I. N. Holubinskii (Ukrainian Hop-breeding Sta., Zhitomir, U.S.S.R.). *Compt. rend. acad. sci. U.R.S.S.* 47, 140-1(1945)(in English); *Doklady Akad. Nauk S.S.S.R.* 47, 142-4.—In 3 years' tests, hop cuttings treated with 2% KBr soln. or 3% $KAl(SO_4)_2$ soln. produced plants with fruit contg. 19% and 20.30% of bitter principle, compared with 15-13% and 17.75% in untreated plants. The treatment has practical significance in vegetative reproduction of hops. K. Starr Chester

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