

Transactions of the Mathematics (Cont.)

SOV/1281

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AVAILABLE: Library of Congress

LK/sfm
4-3-59

Card 4/4

BLYUMKIN, V.N.; VASLYANINA, N.I.

Rapid method of preparing iron hematoxylin for staining
layer cell cultures. Vop. virus no.6:735-736 N.D. 1971.
(MIRA 17:6)

1. Institut virusologii AMN SSSR imeni D.I. Ivanovskogo, Moskva.

s/080/60/033/04/38/045

AUTHORS: Fialkov, A.S., Vaslyanina, O.V., Sukhoverkhov, V.F.TITLE: New Graphitized Electrodes¹ for Spectral Analysis

PERIODICAL: Zhurnal prikladnoy khimii, 1960, Vol 33, Nr 4, pp 972 - 975

TEXT: The use of spectral electrodes of Soviet production leads usually to spectrograms with the lines of B, Si, Mg, Ca, Fe, Cu, Al and Ti, and therefore, they are not suited for the analysis of semiconductor materials. The gaseous method of purification was applied, therefore, which is widely used for the manufacture of graphite for atomic reactors. The active halogens, like chlorine and fluorine, convert ash admixtures into compounds which are completely eliminated at temperatures of 2,000 - 3,000°C. As halogen sources Freon-12, Freon-22 and elemental chlorine were used. It has been shown that chlorination eliminates all impurities except boron. This element is eliminated by fluorine. The best results are obtained, therefore, with a chlorine-fluorine mixture (Freon-12). The probable mechanism of the processes taking place during purification is discussed. A graph of the method proposed is given. There are: 1 table, 1 diagram, 1 graph, 1 photograph and 6 references, 3 of which are Soviet, 1 English, 1 American and 1 Hungarian.

SUBMITTED: October 19, 1959

Card 1/1

MOLDAVSKIY, O.D. (Moskva); PRONOV, A.P. (Moskva); Prinsipialni uchastkiye:
VASLYANINA, O.V.; LUKASHEVICH, V.Ya.; KRYGLOVA, Ye.V.

Speed of removal of nonmetallic oxide inclusions in liquid steel. Izv.
AN SSSR. Met. i gor. delo no.5:23-34 S-0 '64. (MIRA 18:1)

FINKEL', M.Ya.; prinimali uchastiye; SHEVCHENKO, A.I.; KAUFMAN, A.S.,
[deceased]; STEPANENKO, V.S.; FEDOROV, N.I.; PAVLOVA, N.F.;
AYZENBERG, L.G.; FAYNGOL'D, S.G.; LITVINOVA, K.I.; VASLYAYEV,
G.P.; STETSENKO, Ye.Ya.; LITVINOVA, O.Yu.; USTINOVA, A.G.

Improvement of the saturation process in the production
of ammonium sulfate. Koks i khim. no.7:45-46 '60.
(MIRA 13:7)

1. Ukrainskiy uglekhimicheskiy institut (for Finkel').
2. Yasinovskiy koksokhimicheskiy zavod (for Vaslyayev).
3. Giprokoks (for Ustinova).
(Ammonium sulfate)

VASIL'YEVA, T.T.; KOST, V.N.

Action of diethylamine on polychlorofluoropropenes of
 $\text{CH}_2=\text{CXCF}_n\text{Cl}_{3-n}$ type. Izv. AN SSSR. Ser.khim. no.9:1587-1591
S '63. (MIRA 16:9)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Diethylamine) (Propene)

VASLYAYEV, G.P.

DIDENKO, V.Ye.; TSAREV, M.N.; DMITRIYEV, M.M.; LEYTES, V.A.; OBUKHOVSKIY,
Ya.M.; IVANOV, Ye.B.; CHERTOK, V.T.; URSALENKO, R.N.; KRIGER, I.Ya.;
PINCHUK, A.K.; ANTONENKO, H.Z.; SMUL'SON, A.S.; VASIL'CHENKO, S.I.;
DRASHKO, A.M.; RAYEVSKIY, B.N.; KUCHIRYAVENKO, D.N.; SAVCHUK, A.I.;
ZHURAVLEVA, L.I.; BAUTIN, I.G.; KHRIYENKO, V.Ya.; MOSENKO, N.K.; CHE-
BONENKO, G.P.; LISSOV, L.K.; MAMONTOV, V.V.; BELUKHA, A.A.; POYDUN, V.F.;
VOLODARSKIY, M.B.; KAL'CHENKO, G.D.; LEVCHENKO, V.M.; RASHKIROV, A.A.;
VOROB'YEV, M.F.; IL'CHENKO, L.I.; PODSHIVALOV, F.S.; MOGIL'NIY, P.P.;
LEVI, A.R.; VASLYAYEV, G.P.; DURNEV, V.V.; OSYPA, S.S.; SAMOPALOV, G.N.;
FOMIN, A.F.; LESHCHINA, A.I.; FANKEL'BERG, G.Ye.; KHODANKOV, A.T.;
MAKARENKO, I.S.; KARPOVA, K.K.; VASILENKO, I.M.; VOLOSHCHUK, A.S.; SHEL-
KOV, A.K.; FILIPPOV, B.S.; TYUTYUNNIKOV, G.N.; DOLINSKIY, M.Yu.; NIKI-
TINA, P.P.; MEDVEDEV, S.M.; TSOGLIN, M.E.; LERNER, R.Z.; BOGACHEV, V.I.

Mikhail Iakovlevich Moroz; obituary. Koks i khim.no.3:64 '56.(MLBA 9:8)
(Moroz, Mikhail Iakovlevich, 1902?-1956)

VASMANOV, V.V.

New input member based on graphically recorded functions for
calculating machines and instruments. Priborostroenie no.9:
6-8 S '56. (MLBA 9:10)

(Electronic calculating machines)

VASMANOV, V. V.

AID P - 5163

Subject : USSR/Engineering
Card 1/1 Pub. 103 - 4/19
Author : Vasmanov, V. V.
Title : Automatic control system of machine tools
Periodical : Stan. 1 instr., 6, 19-22, Je 1956
Abstract : The author describes Ferranty's system for automatic control of milling machines. It is developed by the English firm and was presented by D. Williamson at the conference on automation held in Margate, England, in June 1955. Six drawings.
Institution : As above
Submitted : No date

VASMANOV, V.V.

VASMANOV, V.V.

Investigating the precision of harmonic analysis in the case of the
use of harmonic analyzers. Trudy Inst. mash. Sem. po toch. y mash. i
prib. no.11:62-77 '57. (MIRA 10:12)
(Harmonic analysis) (Mathematical instruments)

28(2)

PHASE I BOOK EXPLOITATION

SOV/1238

Vasmanov, Vladimir Veniaminovich, Candidate of Technical Sciences

Vychislitel'nyye matematicheskiye pribory (Mathematical Computing Instruments)
Moscow, Mashgiz, 1958. 205 p. 7,000 copies printed.

Reviewer: Dostupov, B. G., Doctor of Technical Sciences; Eds.: Akushkiy, I.Ya.,
Candidate of Physical and Mathematical Sciences, and Kochetova, G. F.;
Tech. Ed.: Tikhanov, A. Ya.; Managing Ed. for Literature on Machine Building
and Instrument Making (Mashgiz): Pokrovskiy, N. V., Engineer.

PURPOSE: This book is intended for scientists, engineers and technicians engaged
in designing and using mathematical instruments.

COVERAGE: The book gives a systematic presentation of information on Soviet and
foreign mathematical instruments. The author refers especially to instruments
manufactured by Ott (West Germany), Coradi (Switzerland), Amsler (Switzerland),
Stanley (England), NIIschetmash (USSR) and various Italian and American manu-
facturers. There are 128 references, of which 65 are English, 43 are Soviet,
including 4 translations, 12 German, 7 French and 1 Italian.

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Mathematical Computing Instruments

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3-11-59

MEYER ZUR CAPELLEN, Walther; VISHNEVSKIY, K.P. [translator]; NEMIROV,
Yu.G. [translator]; VASMANOV, V.V., red.

[Instrumental mathematics for engineers] Instrumental'naya
matematika dlia inzhenerov. Moskva, Fizmatgiz 1959. 379 p.
Translated from the German. (MIRA 14:2)
(Mathematical instruments)

UAS MANOV, U.U.

26(2) PULSE 1 BOOK EXPOSITION SCV/2675

Moscow. Dom naučno-tekhnicheskoy propagandy in. P. I. Dvornichenko
Pyshechnitsyozh tekhniko i yeye primeneniye. (Computation Technique and Its
Application) Moscow, Gostekizdat, 1969. 301 p. (Series: Obshchestvo
i nauka) Printed in the USSR. 5,000 copies
Printed.

M. (Title page); S. A. Labadev, Academician; Ed. (Inside book): V. I. Savelyev;
Tech. Ed.: G. I. Matveyev.

PURPOSE: This collection of articles is intended for scientific, engineering
and technical personnel engaged in research, design and operation of digital
and analog computers. It may also be used by students of vuzs specializing
in computers.

CONTENTS: The authors present fundamentals of digital computers, their elements
and units such as arithmetic units, internal and external memory and control
units. They discuss the possibility of constructing computers using semi-
conductor elements. They also discuss the fundamentals in the theory of logical
computers. They also discuss problems of programming and explain the operation
of analog computers and their elements. Brief discussion of mathematical
instruments is also presented. The articles were presented at a computer semi-
nar arranged by Moskovskiy dom naučno-tekhnicheskoy propagandy ineni P. I. D.
Dvornichenko (Moscow Center for Scientific and Technical Propaganda) in
F. D. Dvornichenko in 1957. No personalities are mentioned. References
appear at the end of some articles.

Klimov, A. M., Engineer. Construction of High-speed Computers Using
Semiconductor Elements 185
The author discusses the possibility of using transistors in computer
circuits and describes the operation of the following transistor circuits:
amplifiers, pulse-forming circuits, triggers and direct-coupled trans-
istors. There are 4 references; 1 Soviet and 3 English.

Maklucherskiy, K. S. Devices of Series Computing Machines. 201
The author discusses component elements of series computing machines such
as dynamic triggers, circuits for transforming codes, adding and sub-
tracting circuits and circuits for determining coincidences of two codes.
He also describes the operation of a series-type memory unit. There
are no references.

Ushakov, V. B., Candidate of Technical Sciences. Electronic Analog Computers
for Solving Differential Equations 269
The author presents a general discussion of analog computers and considers
fields of their application. He presents a table of Soviet computers,
giving specifications, year of manufacture and the developer's insti-
tution. There are 11 references, all Soviet; (including 1 translation).

Klimberg, I. M., Candidate of Technical Sciences. Operational Units of
Analog Computers 297
The author discusses the operation of various units in a computer such
as adders, integrators, differentiators, operational amplifiers,
multipliers and functional converters and analyzes their circuits. There
are 13 references, all Soviet (including 1 translation).

Klimberg, I. M., Engineer. Use of Analog Computers in Engineering and
Scientific Analysis 327
The author discusses the use of analog computers for analyzing per-
formance of various industrial machines such as rolling machines, dy-
namometric amplifiers and many others. Use of analog computers
for solving stability problems is also discussed. There are 6 references,
all Soviet (including 2 translations).

Klimberg, I. M., Engineer. Methods of Solving Problems for Analog
Computers and Checking Accuracy of Solutions 340
The author discusses the methods of solving problems by a form multi-
plier, analog computers and describes the methods of checking solutions of
computer units. He explains methods of determining error scale factors
and transfer coefficients and presents numerical examples. He also
discusses methods of solving nonlinear functions and considers computer
accuracy. There are no references.

Klimberg, I. M., Candidate of Technical Sciences. Modern Small Mathe-
matical Instruments 366
The author discusses the construction and operation of mathematical
instruments such as integrators, integrals and differentiators. He also
describes harmonic analyzers developed by Vaser, Coradi and Jancsik and
explains the operation of instruments for analyzing random functions.
There are 14 references, 7 Soviet (including 4 translations) and 7 English.

VASMANOV, V.V., kand.tekhn.nauk

Improving the operation management of basic production. Trakt. 1
sel'khoz mash. no.3:35-37 Mr '65. (MIRA 18:5)

1. Nauchno-issledovatel'skiy institut tekhnologii traktornogo i
sel'skokhozyaystvennogo mashinostroyeniya.

VASMANOV, V.V., kand.tekhn.nauk

Mechanization and automation of production management in workshops.
Mekh.i avtom.proizv. 18 no.2:33-37 F '64. (MIRA 17:4)

VASMUT, A.S.

Automation of map drawing and delineation operations abroad.
Geod. i kart. no.9:62-68 S '63.

(MIRA 16:10)

VASMUT, A.S.; ANDRIANOV, K.I.

The variomat and its applicability in cartography. Geod. i kart. no.12:
55-61 D '63. (MIRA 17:1)

VASMUT, A.S.; ROGOV, A.B.

Nature of map projection and prospects for its development.
Geod. i kart. no.6:53-50 Je '64. (MIRA 17:9)

VASMUT, A.S.; MARTYNENKO, A.I.

Reading devices in cartography. Geod. i kart. no.12:46-53 D '64.
(MIRA 18:2)

VASMIT, A.S.; PETROV, G.N.; BALKANOV, A.F.; MULIN, A.I.

Concerning the automation of the reproduction of map titles and
point symbols. Geod. i kart. no.1:67-73 Ja '65.

(MIRA 18:3)

ACC NR: AP6007915

(A)

SOURCE CODE: UR/0006/66/000/002/0068/0075

AUTHOR: Vasmut, A. S.

15
B

ORG: none

TITLE: The use of computers for the automatic processing of cartographic images

160

SOURCE: Geodeziya i kartografiya, no. 2, 1966, 68-75

TOPIC TAGS: cartography, computer application, character reading equipment

ABSTRACT: Various analytical methods for the description, recording, and reproduction of cartographic images, and also the possibility of their use in an automatic cartographic system were investigated. In general, the cartographic images (areal, linear, point) can be analytically described by using 1) a table of the coordinates of all points of an areal image with a constant step (x,y coordinates); 2) a table of the coordinates of isolated points of an areal image with a variable step (x,y coordinates); 3) a table of the coordinates of linear sign points with a constant step along the line length; 4) a table of the coordinates of the isolated points of linear signs with a variable step along the line length; 5) an analytical formula for the calculation of lines and their systems; and 6) the coordinates of isolated points of sign figures. The qualities of cartographic recording, i. e., its density, speed, reliability, the possibility of multiple reproduction, the simplicity in approach and storage, etc.,

Card 1/2

UDC: 528.9

1 39711-60

ACC NR: AP6007915

were investigated in detail, as well as the use of electromechanical, electronic and optical recorders. Orig. art. has: 1 figure.

SUB CODE: 08

Card 2/2 *gd*

VASNETSOV, N. S.

VASNETSOV, N.S., kandidat meditsinskikh nauk; DERBARENDINER, S.V.

Chorioepithelioma associated with pregnancy. Akush. i gin. no.3:
82-83 My-Je '54. (MLRA 7:8)

1. Iz patologicheskogo otdeleniya (konsul'tant prof. D.M.Khayutin)
Odesskoy oblastnoy klinicheskoy bol'nitsy (glavnyy vrach I.P.
Pelyarskiy)

(PREGNANCY, complications,

*brain tumor)

(BRAIN, neoplasms,

*in pregn.)

VASNETSOV, N.S.; VASNETSOVA, N.F. (Odessa)

Granular cell tumors of the ovaries in the young. Arkh.pat.
20 no.11:65-67 '58. (MIRA 12:8)

1. Iz kafedry khirurgii detskogo vozrasta s detskoy ortopediyey
(zav. - prof.M.L.Dmitriyev) i kafedry patologicheskoy anatomii
(zav. - doktor med.nauk Ye.A.Uspenskiy) Odesskogo gosudar-
stvennogo meditsinskogo instituta imeni N.I.Pirogova.
(OVARIES--TUMORS)

VASNETSOV, N.S. (Odessa, Slobodka, ul. Saltykova-Shchedrina, d. 25, kv. 1)

Uterine changes in granulosa-cell tumors of the ovaries [with summary in English]. Vop.onk. 4 no.6:718-721 '58. (MIRA 12:1)

1. Iz kafedry patologicheskoy anatomii (zav. - doktor med. nauk prof. Ye.A. Uspenskiy) Odesskogo gosudarstvennogo meditsinskogo instituta imeni N.I. Pirogova (dir. - zasl. deyatel' nauki USSR prof. I. Ya. Deynaka).

(GRANULOSA CELL TUMOR, pathology,
uterine changes in ovarian tumors (Rus))

(UTERUS, pathol.
in granulosa cell tumor of ovaries (Rus))

Report on 9 cases treated with total hysterectomy and adnexectomy. In 6 patients of old age, the endometrium showed glandular hyperplasia corresponding to the proliferative phase of the menstrual cycle. In one case proliferative and secretory activity of the glands was found, and in 2 cases the endometrium showed decidual formations. In these latter 3 patients there were thus both oestrogen and progesterone effects.

EVLANOVA, V.G., dotsent, kand. veterin. nauk; PAVLOVSKIY, Ye.N., prof. otv.red.; VASNETSOV, N.V., prof., red.; VERESHCHAGIN, M.N., prof., red.; ZAYTSEV, V.G., prof., red.; KAZAKOV, Kh.Sh., prof., red.; MOSIN, V.V., prof., red.; STUDENTSOV, A.P., prof., red.; GALEYEV, V.V., dotsent, red.; LYSOV, V.F., dotsent, red.; RABINOVICH, M.P., dotsent, red.; SABIN, I.M., dotsent, red.

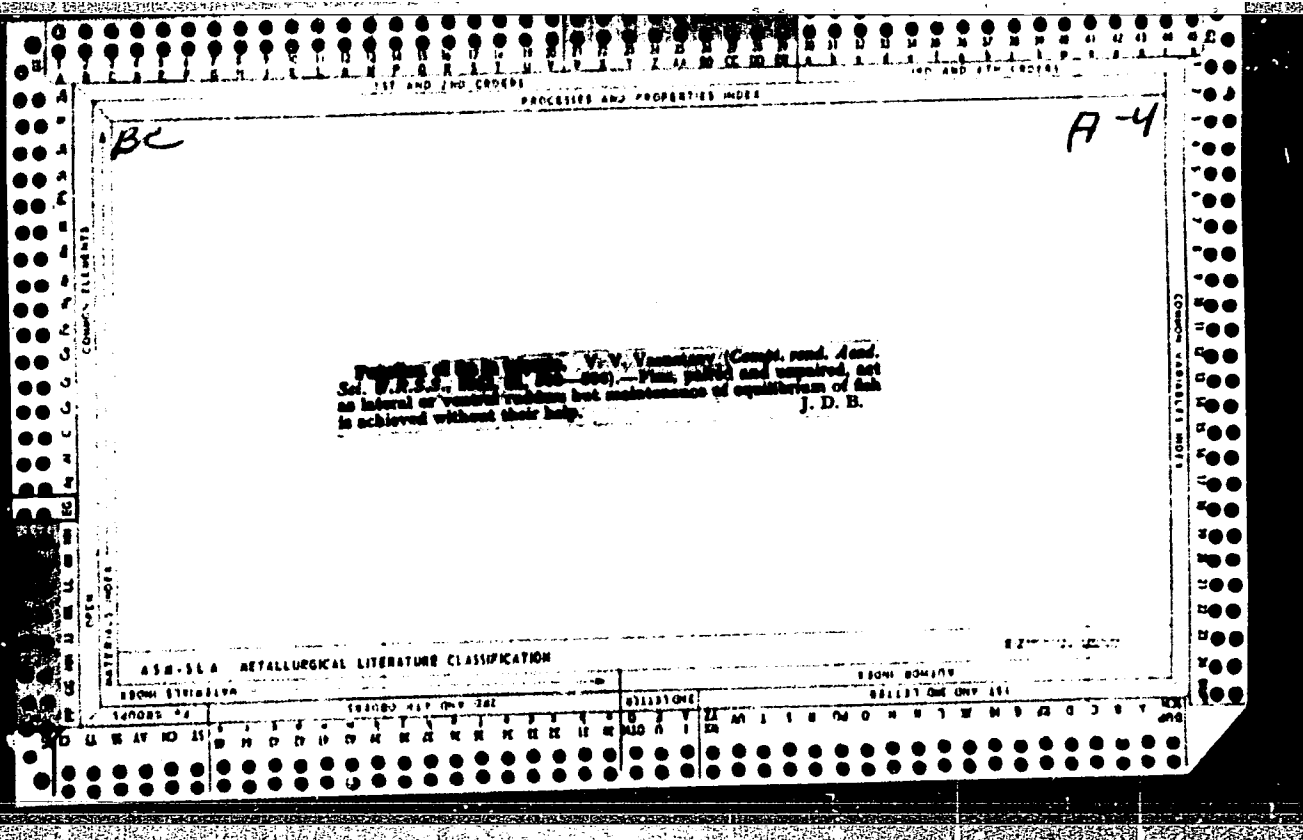
[Methods for the laboratory diagnosis of the principal helminthiases of farm and commercial animals and a comparative analysis of their efficiency]. Metody laboratornoi diagnostiki glavneishikh gel'mintozov sel'skokhoziaistvennykh promyslovykh zhiivotnykh i sravnitel'nyi analiz ikh effektivnosti. Kazan', 1960. 417.p. (Kazan. Veterinarnyi institut. Uchenye zapiski, vol. 72).
(MIRA 17:7)

VASNETSOV, Valeriy Mikhaylovich; KOVAL'ZON, F.P., red.; PEREDERYI, S.P.,
tekh. red.

[Work training of students at independent construction sites] Pro-
izvodstvennoe obuchenie uchachchikhsia na stroitel'stve samo-
stoyatel'nykh ob"ektov. Moskva, Vses. uchebno-pedagog. izd-vo Proftekh-
izdat, 1961. 42 p. (MIRA 14:10)

1. Direktor stroitel'nogo uchilishcha no.2 Permskoy oblasti (for
Vasnetsov).

(Building trades—Study and teaching)



VASNETSOV, V.V.

33959. VASNETSOV, V.V. K Poznani Yu Bi,ologii. Ryb Ozyera. I, asyk-koliv:
Trudy Vsyeysoyuz. Gidrobiol O-Va, t I, 1949, S. 132-45.

SO: Letopis' Zhurnal'nykh Statey , Vol. 42, Moskva, 1949.

VASNETSOV, V.V.

Acclimatization of Amur River fish in bodies of water of the European part
of the U.S.S.R. Trudy Inst.morf.zhiv. no.5:5-10 '51. (MLRA 6:9)
(Fishes)

VASNETSOV, V.V.

The Amur carp *Xenocypris macrolepis* (Bleeker) as an object of acclimatization.
Trudy Inst.morf.zhiv. no.5:86-96 '51. (MLRA 6:9)
(Carp)

VASNETSOV, V.V.

Possibility of the acclimatization of certain Amur River fish in bodies of water of the European part of the U.S.S.R. Trudy Inst.morf.zhiv. no.5:117-120 '51.

(MLRA 6:9)

(Fishes)

VASNETSOV, V.V.; YEREMCHYEVA, Ye.F.; LANGE, N.O.

Role of the young of waste fishes in the development of the young of
commercial semi-migratory fishes. Trudy Inst.morf.shiv. no.10:219-243 '53.
(MLRA 6:11)
(Fishes)

VASHNETSOV, V.V.

Morphology. Zool. zhurn. 32 no.6:1046-1051 N-D '53.

(MIRA 6:12)

1. Institut morfologii zhivotnykh Akademii nauk SSSR. (Morphology (Animal

VASNETSOV, V.V.

Artificial spawning beds for migratory fish. Vop. ikht. no. 2:69-74
154. (MIRA 8:5)

1. Institut morfologii zhivotnykh imeni A.N. Severtsova Akademii
nauk SSSR.
(Fishes--Migration) (Reproduction)

USSR / General Biology. Individual Development. Embryonic B
Development.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14369

Author : Vasnetsov, V. V.; Yermeyeva, Ye.; Lange, N. O.;
Dimitriyeva, Ye. N.

Inst : Institute of Animal Morphology, Academy of
Sciences USSR

Title : The Development Stages of Industrial, Semi-
directed Fish of the Volga and Don, the Golden
Shiner, Carp, Vobla, Roach Rutilus, Rutilus
Heckeli and Pike Perch

Orig Pub : Tr. in-ta morfol. zhivotnykh. AN SSSR, 1957,
vyp 16, 7-76

Abstract : The development stages of Abramis brama (L.),
Cyrpinus carpio, Rutilus rutilus caspicus
(Iakovcev) (L.), Rutilus rutilus heckeli

Card 1/4

USSR / General Biology. Individual Development. Embryonic B
Development.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14369

(Nordmann) and *Soc. ciopceera luciopecra* (L.),
caught in the delta of the Volga and Don,
were investigated. The development of the
golden shiner, vobla and roach are very
similar, the carp is characterized by
spawning in portions and shedding the eggs
at higher temperature in thoroughly warm,
shallow water. All these species are
characterized by 9 stages of approximately
equal duration. In the pike perch stage A is
divided into A₁ and A₂, there are altogether
10 stages and, even though some of these
stages may be compared with the corresponding
stages in the carp, the general course of de-
velopment deviates considerably, In the Volga,

Card 2/4

20

USSR / General Biology. Individual Development. Embryonic B
Development.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14369

the bottom constitutes the principal spawning ground and breeding place where the young keep themselves. In the Don spawning and breeding takes place in the flood-lands at the mouth of its tributaries. At early stages ecological differences are not apparent except for the fact that in the Don these stages are somewhat longer than in the Volga. However, the characteristics of the flood determine the lot of the young. In the Volga delta, if a sharp or early recession occurs or if development is retarded, the young remain at the bottom until the exit becomes barred. In the flood-lands of the Don the water-meadows remain dry if there is little water, and if there is

Card 3/4

USSR / General Biology. Individual Development. Embryonic B
Development.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14369

high water the young are carried out, a
phenomenon which occurs according to the
data of 1950-1951 at the beginning of the G
stage. The young should be let out of
spawning and breeding establishments at the
beginning of this same stage. -- A. G. Andres

Card 4/4

21

VASNETSOV, V.V.

Studying the behavior of semimigratory fishes in spawning grounds.
Trudy Astr. zap. no.5:163-179 '61. (MIRA 16:8)
(Volga Delta--Fishes--Migration) (Reproduction)

KAMINSKIY, M.I., dots.; KOROBOV, M.S.; STREBKOV, M.S.; VASHNETSOVA, A.A.

Prospective complications in appendectomies and herniorrhaphies.
Nov.khir.arkh. no.1:67-70 '62. (MIRA 15:8)

1. Kafedra organizatsii zdravookhraneniya, kafedra khirurgii
Ukrainskogo instituta usovershenstvovaniya vrachey i 2-ya
bol'nitsa g. Khar'kova.
(APPENDECTOMY) (HERNIA)

VASNETSOV, N.S.; VASNETSOVA, N.F. (Odessa)

Granular cell tumors of the ovaries in the young. Arkh.pat.
20 no.11:65-67 '58. (MIRA 12:8)

1. Iz kafedry khirurgii detskogo vozrasta s detskoy ortopediyey
(zav. - prof.M.L.Dmitriyev) i kafedry patologicheskoy anatomii
(zav. - doktor med.nauk Ye.A.Uspenskiy) Odesskogo gosudar-
stvennogo meditsinskogo instituta imeni N.I.Pirogova.
(OVARIES--TUMORS)

USSR / Human and Animal Morphology (Normal and Pathological). The Peripheral Nervous System. S-2

Abs Jour: Ref Zhur-Biol., No 10, 1958, 45532.

Author : Vasnetsova-Tolperina, E. H.
Inst : Kazan Medical Institute
Title : Concerning the Innervation of the Gonad Membranes
In Man and Animals.

Orig Pub: Sb. nauchn. rabot. Kazansk. med. in-t, Kazan',
1957, 440-447.

Abstract: The gonad membranes in man, dogs and cats were studied on cuts by means of the application of the impregnation method, according to Bil'shovsky-Gros-Lavrentyev. It was indicated that the testicle membrane contains a rich nervous apparatus with fascicles of medullated and unmedullated fibers, sensory and motor endings. The unmedullated fibers

Card 1/2

USSR / Human and Animal Morphology (Normal and Pathological). The Peripheral Nervous System. S-2

Abs Jour: Ref Zhur-Biol., No 10, 1958, 45533

Author : Abdullishev, M.S., Gadzhiyev, G.A.

Inst : Azerbaydzhan Medical Institute

Title : Variants of the Innervation of the Cutaneous Nerves

Orig Pub: Sb. tr. Azerb. med. in-ta, 1956, vyp. e, 188-193.

Abstract: The anterior cutaneous femoral nerves (FN) depart in the first place, from the lumbar region (5 cases); in the second place, from the common trunk, together with the external cutaneous FN (6 cases); and, in the third place, from the femoral nerve (31 cases). The variants of the lateral cutaneous femoral nerve are divided into five groups. The most frequently encountered group is the one, where the nerve departs immediately from its lumbar plexus

Card 1/3

VASNEV, M.S.; ZHUKOV, Ye.K.

Industrial strontium carbonate is an effective substitute for scarce raw materials. Stek. i ker. 18 no. 7:33-34 J1 '61. (MIRA 14:7)
(Strontium carbonates)

VASNEV, N.F.; FOMIN, Ye.S.

New method for fastening inserts to copes in casting ingot molds.
Sbor.rats.predl.vnedr.v proizvod. no.1:49 '61. (MIRA 14:7)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Founding)

KORSHAK, V.V.; KRONGAUZ, Ye.S.; GRIBKOVA, P.N.; VASNEV, V.A.

Coördination polymers. Part 5: Synthesis of bis (β -diketone)
polymers with metals. Vysokom.soed. 3 no.8:1203-1209 Ag '61.
(MIRA 14:9)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Ketones) (Polymers)

5/190/62/004/006/004/026
5770/2138

15-21-86
AUTHORS: Korsnak, V. V., Krongauz, Ye. S., Gribkova, P. N., Vasnev,
V. A.

TITLE: Investigations in the field of polymers with coordination chains. XIII. Study of the laws governing polycoordination reactions in solution

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 4, no. 6, 1962, 815-820

TEXT: The effect of experimental conditions on the molecular weight of polymers was also investigated. 4,4'-bis-(acetoacetyl)diphenyl oxide, $2+$ whose polymer with Zn is soluble in dimethyl formamide, reacted with Zn ions. The amount of reacted tetraketone and the molecular weight of the polymer were determined by titration of the terminal enol groups, using Na methylate and thymol blue, as there is only one possibility for the terminal groups: Tk-Me-Tk-Me...Tk-Me-Tk, where Me = metal and Tk = substituted tetraketone. Synthesis takes place by: (1) reaction of alcoholic solutions of $Zn(CH_3COO)_2$ and I; (2) reaction of an aqueous

$Zn(CH_3COO)_2$ solution with a benzene solution of I at the phase interface;

Card 1/4

Investigations in the field...

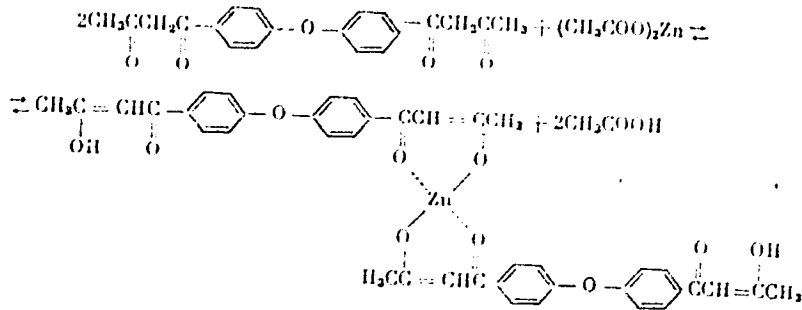
S/190/62/004/006/004/026
E110/E138

(3) condensation of an aqueous solution of acetic zinc ammoniate at the interface with solution I in n-xylene; (4) reaction of I with $Zn(CH_3COO)_2$ in dimethyl formamide solution. In the case of (1), 1 mole of alcoholic $Zn(CH_3COO)_2$ solution reacted with 1 mole solution of I at 20°C to 80% of I during the first minutes, and to 85% after 1 hr. The molecular weight was 750 (dimer: Tk-ke-Tk). The dimer insoluble in methanol is precipitated and destroys the homogeneity of the reaction medium and the growth of the polymer chain. In the case of (2), polycondensation between the phases, the polymer chain grew more quickly. Interphase polycondensation produces polymers of higher molecular weight than equilibrium polycondensation. During the reaction of the benzene solution of I with the aqueous solution of $Zn(CH_3COO)_2$ at the interface

Card 2/4

Investigations in the field...

S/190/62/004/006/004/026
B110/B138



takes place. The acetic acid formed destroys the complex obtained. The destructive effect of acetic acid is stronger in the water-benzene medium than in methanol, owing to greater dissociation. In the case of (3) (ratio 1:2), I was almost completely polycondensed in a few minutes at 20 and 50°C, at a ratio of 1:1 and 20°C to about 60%. The trimer Tk-Me-Tk with molecular weight 1150 was obtained, as equilibrium set in between the initial zinc ammonium complex and the polymer complex of zinc which formed with I, the instability constants of which were about equal.
Card 3/4

5/190/62/004/006/004/026
2110/3138

Investigations in the field...

Equimolecular amounts of I with the acetic zinc ammoniate in dimethyl formamide (N₂ atmosphere) at 140 - 150°C, after 0.5 hr, produced a polymer with 85 - 90% yield and molecular weight 1000 - 1100. The white product obtained after 7 hr was quite insoluble in dimethyl formamide. It was separated into: a fraction with molecular weight 750, soluble in chloroform, two fractions (mixture of trimer and tetramer), molecular weight 1200, soluble in dimethyl formamide; three insoluble, high-molecular fractions. Gradual growth of the polymer chain is assumed; high rate of polycondensation and formation of insoluble adducts in the first stage interrupt chain growth and cause formation of a low-molecular product. There are 2 tables.

ASSOCIATION: Institut elementoorganicheskikh sovedineniy AN SSSR (Institute of Elemental-organic Compounds AS USSR)

SUBMITTED: February 28, 1961

Card 4/4

40731

5.3837

S/062/62/000/009/008/009
B119/B186

AUTHORS: Sosin, S. L., Korshak, V. V., Vasnev, V. A., and Baranov, Ye.L.

TITLE: Synthesis of polymers from nitriles of aliphatic acids

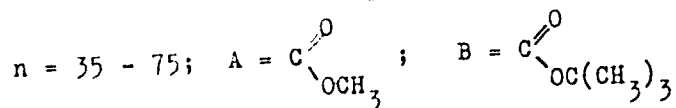
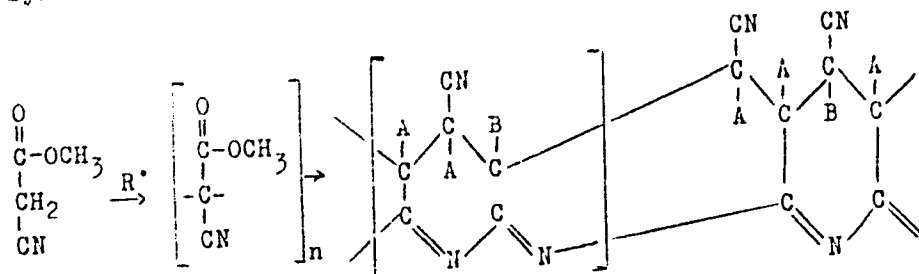
PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 9, 1962, 1644 - 1650

TEXT: Cyanoacetic methyl ester (I), malonic dinitrile (II), and adipic dinitrile (III) were each of them polyrecombined by heating to 200°C in the presence of tertiary butyl peroxide. The resulting polymers underwent elementary analysis. Their IR and EPR spectra were studied and the probable reaction scheme was plotted from the data so obtained. I yielded a black powdery polymer soluble in dimethyl formamide, having a molecular weight of 3400 - 7300 (depending on the peroxide amount used); softening temperature 500°C; 70% yield at a molar ratio peroxide : I = 1.5 : 1; reaction scheme

Card 1/4

S/062/62/000/009/008/009
B119/B186

Synthesis of polymers from

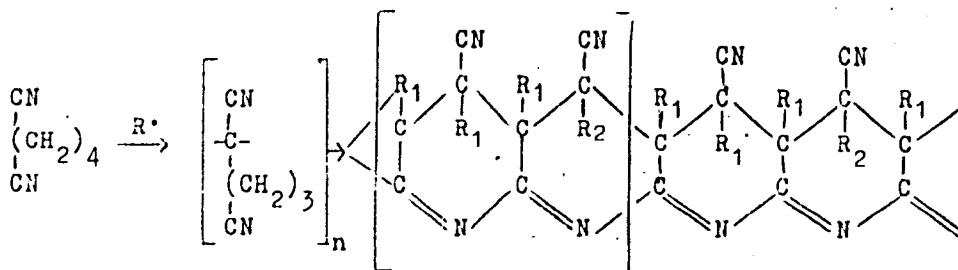


II gave a black powder soluble in dimethyl formamide; molecular weight 11,000; softening temperature 100°C ; 50 % yield at a molar ratio peroxide : II = 1.5 : 1; reaction scheme

Card 2/4

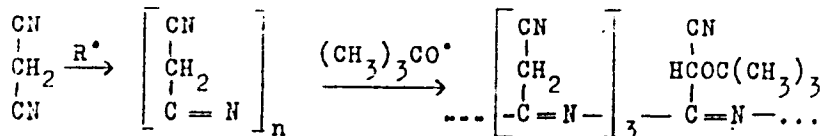
Synthesis of polymers from ...

S/062/62/000/009/008/009
B119/B186



$n = 104$; $R_1 = (\text{CH}_2)_3\text{CN}$; $R_2 = \text{CH} [\text{OC}(\text{CH}_3)_3] (\text{CH}_2)_2\text{CN}$

III too gave a black powder soluble in dimethyl formamide; molecular weight 5500 (maximum 6200 after fractionation); softening temperature 500°C; 75% yield at a molar ratio peroxide : III = 0.4 : 1; reaction scheme



Card 3/4

Synthesis of polymers from ...

S/062/62/000/009/008/009
B119/B186

n = 83-94. The volume resistivity of the polymer from II increases exponentially with temperature (conductivity at 0°C: $5.37 \cdot 10^{12} \text{ ohm}^{-1} \cdot \text{cm}^{-1}$; at 20°C: $2.32 \cdot 10^{-11} \text{ ohm}^{-1} \cdot \text{cm}^{-1}$). There are 4 figures and 1 table. The most important English-language reference is: N. Grassil, J. C. McNeill, J. Pol. Sci. 27, 207 (1958). ✓

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

SUBMITTED: March 1, 1962

Card 4/4

VASHEV, V.A.; SOSIN, S.L.; KOISHAK, V.V.

Study of the reaction of fatty and aromatic acid nitriles with
tertiary butyl peroxide. Izv. AN SSSR. Ser.khim. no.7:1312-
1319 J1 '63. (MIRA 16:9)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Nitriles) (Butyl peroxide)

KORSHAK, V.V.; SOSIN, S.L.; VASNEV, V.A.

Synthesis of polymers from the nitriles of aromatic and fatty acids by polyrecombination reaction. Dokl. AN SSSR 152 no.4: 872-874 0 '63. (MIRA 16:11)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
2. Chlen-korrespondent AN SSSR (for Korshak).

VASNEV, V.A.; SOSIN, S.L.; KORSHAK, V.V.

Synthesis of polymers from diphenylmethane derivatives by means
of polyrecombination reaction. Izv.AN SSSR.Ser.khim. no.8:
1487-1496 Ag '63. (MIRA 16:9)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Polymers) (Methane)

L 22651-65 DWT(a)/EPF(c)/ENP(j) Pp-4/Pp-4 RM/MLK

ACCESSION NR: AT5002130

S/0000/64/000/000/0173/0177

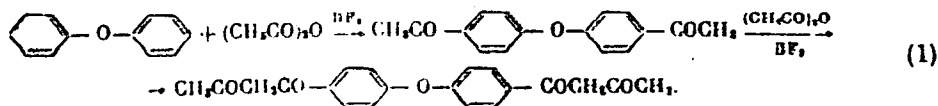
AUTHOR: Korshak, V. V.; Krongauz, Ye. S.; Gribkova, P. N.; Sheina, V. Ye.; Vasnev, V. A.

TITLE: Synthesis of bis-(beta-diketones)

SOURCE: AN SSSR. Institut neftekhimicheskogo sinteza. Sintez i svoystva monomeroov (The synthesis and properties of monomers). Moscow, Izd-vo Nauka, 1964, 173-177

TOPIC TAGS: diketone synthesis, beta-diketone, aromatic diketone, diketone polymerization, organometallic complex, boron trifluoride, acetoacetylation

ABSTRACT: A direct method has been developed for preparing aromatic bis-(beta-diketones) which can be polymerized to give coordination-bonded metal complexes, and a reaction mechanism for the ketone synthesis has been proposed. The aromatic compounds are acetoacetylated in the presence of boron trifluoride with acetic anhydride. 4,4-Bis-(acetoacetyl)diphenyloxide was derived from diphenyloxide as shown by the following equation:



Card 1/2

L 22651-65

ACCESSION NR: AT5002130

and by similar reactions the 4,4-bis-(acetoacetyl)- derivatives of diphenylmethane, di-phenylethane, and of the diphenyl ethers of ethylene- and diethylene glycol were obtained. The best results were obtained when boron trifluoride was rapidly added to the reaction system and this effect was shown to be related to the proposed reaction mechanism. Monoacetylated ketones formed in the first step are further acetylated either by direct C-acetylation, or by C-acetylation of ketones and subsequent C-acetylation of the ester formed with the enol of the diketones. The first route is exclusive during the initial reaction period, while the second can become dominant as the acid concentration increases. Intriguingly, bis-(acetoacetyl)- derivatives are formed and that the bis- β diketones exist only in their enol form. Their reaction, either in the melt with acetylacetonates or in solution with the acetates of Be, Cu, Ni, Zn, Mn, Co and Cd, yielded coordination chain polymers, most of which were highly colored and infusible powders which were insoluble in conventional organic solvents at 200-400C. Orig. art. has: 11 formulas.

ASSOCIATION: None

SUBMITTED: 30Jul64

ENCL: 00

SUB CODE: OC,GC

NO REF SOV: 006

OTHER: 010

Card

2/2

ACCESSION NR: AP4037282

S/0190/64/006/005/0843/0849

AUTHOR: Vasnev, V. A.; Sosin, S. L.; Korshak, V. V.

TITLE: Preparation of polymers by recombination from aromatic and aliphatic nitriles

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 6, no. 5, 1964, 843-849

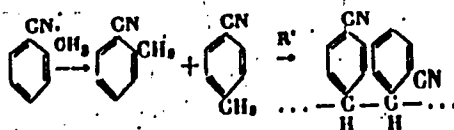
TOPIC TAGS: organic semiconductor, semiconducting polymer, polynitrile, recombination, nitrile, aromatic nitrile, aliphatic nitrile

ABSTRACT: A study has been made of 1) the polyrecombination of an aromatic nitrile having no substituents such as methyl or methylene, and 2) the synthesis of aliphatic nitrile copolymers showing both high thermal stability and solubility in organic solvents and softening without decomposition. In case 1, benzonitrile was

Card 1/3

ACCESSION NR: AP4037282

treated with tert-butyl peroxide to form a polymer:



The above polymer structure was confirmed by IR and elemental analysis. In case 2, a mixture of two nitriles was treated with tert-butyl peroxide: malonitrile and adiponitrile, α -tolunitrile, or diphenylmethane; methyl 2-cyanoacetate and α -tolunitrile or malonitrile. All the copolymers produced contained a system of conjugated C=N bonds in the backbone, gave an EPR signal, and had high decomposition temperatures (300—600C), but showed no elasticity. As a rule, they were soluble in dimethylformamide and cresol only, and exhibited semiconducting properties. The temperature dependence of conductivity obeyed an exponential law.

Card 2/3

ACCESSION NR: AP4037282

Conductivity measured in vacuum (about 10^{-3} mm Hg) at 293 K ranged from $3.35 \cdot 10^{-22}$ to $9.33 \cdot 10^{-17}$ ohm $^{-1}$ cm $^{-1}$, but at 225—300 C it reached 10^{-11} ohm $^{-1}$ cm $^{-1}$. This research was done at the Institute of Organoelemental Compounds of the Academy of Sciences USSR. Orig. art. has: 2 figures, 3 tables, and 6 formulas.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR (Institute of Organoelemental Compounds, AN SSSR)

SUBMITTED: 05Jun63

DATE ACQ: 09Jun64

ENCL: 00

SUB CODE: ME

NO REF SOV: 007

OTHER: 009

Card 3/3

SOSIN, S.L.; KORSHAK, V.V.; VASNEV, V.A.

Effect of polar factors in the polyrecombination reaction.
Dokl. AN SSSR 156 no. 5:1124-1126 Je '64. (MIRA 17:6)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
2. Chlen-korrespondent AN SSSR (for Korshak).

ACCESSION NO.

AUTHOR: Bochvar, D. A. ; Sosin, S. L. ; Korshak, V. V. ; Tutkevica, A. V. ; Vasnev, V. A.

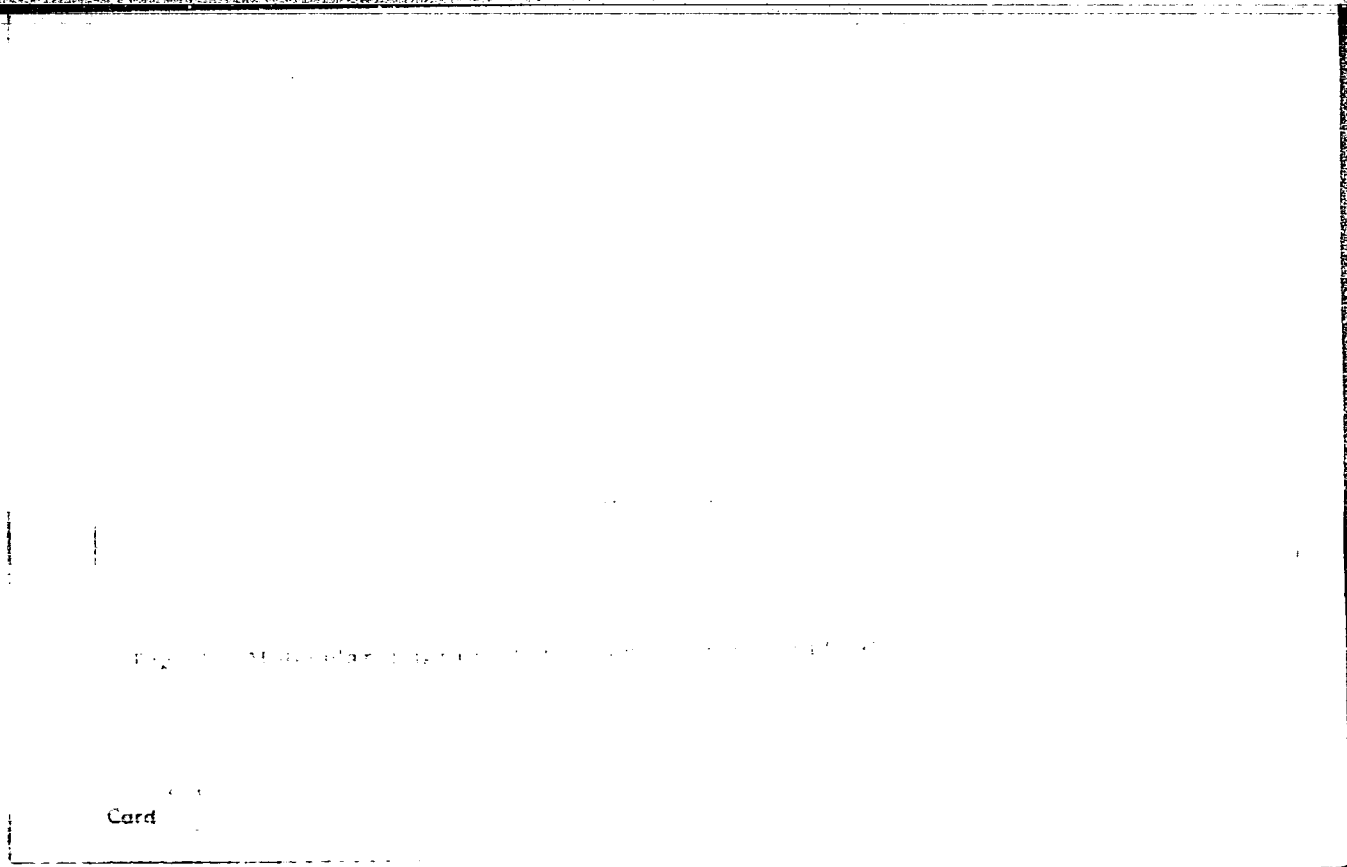
174). Gas-liquid chromatography of acetone and indicated the presence of

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APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020004-2"



Card

L 09070-67 EWT(m)/EWP(j)/T IJP(o) RM

ACC NR: AP6015663 (A) SOURCE CODE: UR/0413/66/000/009/0074/0074

INVENTOR: Korshak, V. V.; Vinogradova, S. V.; Valetskiy, P. M.; Vasnev, V. A.

ORG: none

TITLE: Method of obtaining polyarylates. Class 39, No. 181283 12

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 74

TOPIC TAGS: polymer, polyarylate, aromatic ketone, aromatic hydrocarbon

ABSTRACT: An Author Certificate has been issued for a method of obtaining polyarylates. To simplify the technological process in the production of polymers, their separation and refining are carried out by extraction with organic ketone solvents and aromatic hydrocarbons. [Translation] [NT]

SUB CODE: 11/ SUBM DATE: 14Mar64/

Cgd 1/1 net

UDC: 678.673.025.4

Vasneva, G.A.

109-10-13/19

AUTHORS: Vasneva, G.A., Gaygerov, B.A., Grigor'yants, V.V.,
Yelkin, G.A., and Zhabotinskiy, M.Ye.

TITLE: Phase-lock Automatic Frequency Control of Klystrons by
means of a Molecular Oscillator (Fazovaya avtopodstroyka
klistrona po moldalyarnomu generatoru)

PERIODICAL: Radiotekhnika i Elektronika, 1957, Vol.II, No.10,
p. 1300 (USSR).

ABSTRACT: The frequency of a 2.5 cm, 10 mW klystron was stabilised
by means of a molecular oscillator. A second harmonic of the
klystron and the signal of the molecular oscillator were applied
to a balanced mixer and the resulting difference-frequency
signal was applied to a phase detector. A signal from a quartz
stabilised oscillator, operating at 50 Mc/s, was also fed to
the detector. The output voltage of the detector was applied to
the reflector of the klystron, as a result of which the klystron
had a pull-in bandwidth of 0.15 Mc/s and a synchronisation
bandwidth of 0.5 Mc/s. There are 6 references, 5 of which are
Slavic.

ASSOCIATION: The Institute of Radio-engineering and Electronics
Ac.Sc. USSR (Institut radiotekhniki i elektroniki AN SSSR)

Card 1/1

VASNEVA, G.A.; GRIGOR'YANTS, V.V.; ZHABOTINSKIY, M.Ye.; KLYSHKO, D.N.;
SVERDLOV, Yu.L.; SVERCHKOV, Ye.L.

Circuit for comparing the frequencies of quartz and molecular
oscillators. Izv.vys.ucheb.zav.; radiofiz. 1 no.2:185-187 '58.
(MIRA 11:11)

1. Institut radiotekhniki i elektroniki AN SSSR.
(Oscillations)

307-100-3-4-20/28

AUTHORS: Vasneva, G. A., Grigor'yants, V. V., Zhabotinskiy, M. Ye.,
Klyshko, D. N., Sverdlov, Yu. L. and Sverchikov, Ye. I.

TITLE: Frequency Standard with a Molecular Oscillator (Reper
chastoty s molekulyarnym generatorom)

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol. 5, Nr 4,
pp 569-570 (USSR)

ABSTRACT: Description and block diagram are given of a molecular
oscillator which was employed for the calibration of
quartz crystals operating at a frequency of 1 Mc/s. The
frequency of the oscillator was compared with the
23,868th harmonic of the frequency of the investigated
crystal and an accuracy better than 10^{-9} was attained.
There is 1 figure and 2 references, one of which is Soviet
and 1 English.

ASSOCIATION: Institut radiotekhniki i elektroniki AN SSSR (Institute
of Radio Engineering and Electronics of the AS USSR)

SUBMITTED: December 3, 1957

1. Oscillators--Applications 2. Quartz crystals--Calibration

Card 1/1

L 2325-66 EWA(k)/FBD/EWT(1)/TEC(k)-2/T/EWP(k)/EWA(m)-2/EWA(h) SCTB /

IJP(c) ^{WG} ACCESSION NR: AP5021560

UR/0286/65/000/013/0028/0029
621.375.8:535.813

AUTHORS: Zhabotinskiy, M. Ye.; Vasneva, G. A.

TITLE: Method of combining the power of lasers with the coherent operation of each. Class 21, No. 172357

35
B

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 28-29

TOPIC TAGS: laser beam control

ABSTRACT: This author certificate presents a method for the coherent lumping of power of individual lasers. To increase the power and directivity of the laser emission, one part of the beam is deflected, distributed between the adjacent lasers (see Fig. 1 of the Enclosure), and directed into phase shifters for scanning the beams. Orig. art. has: 1 figure.

[04]

ASSOCIATION: none

SUBMITTED: 11Apr63

ENCL: 01

SUB CODE: EC

NO REF SOV: 000

OTHER: 000

ATD PRESS: 4/07

Card 1/2

L 2325-66
ACCESSION NR: AP5021560

ENCLOSURE: 01
0

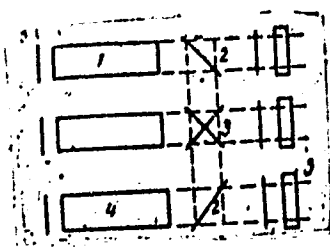


Fig. 1.

1 - Laser; 2 - semitransparent mirror; 3 - crossed mirrors;
4 - laser; 5 - phase shifter.

Card 2/2 *mb*

VASHIN, M.K.

VASHIN, M.K., inzhener

Reinforced concrete scaffold bridge for trains and road traffic.
Tekh.zhel.dor. 7 no.6:24-25 Je'48. (MIRA 8:11)
(Bridges, Concrete)

VASNIN, M.K., inzhener; RVACHEV, I.F., inzhener.

New overpass on Yaroslavl Road. Gor.khoz.Mosk. 28 no.6:28-29
Je '54. (MLRA 7:7)

(Moscow--Viaducts) (Viaducts--Moscow)

VASNIN, N.M., inzh.

Universal assembling welding apparatus. Ratsionalizatsia no.8:
23-24 '62.

VASNIN, N.M., inzh.

Universal assembling and welding equipment. Svar. proizv. no.3:
35-36 Mr '62. (MIRA 15:2)
(Welding--Equipment and supplies)

SECRET

"APPROVED FOR RELEASE: 08/31/2001

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APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020004-2"

VASOJEVIC, S., doc.dr; DIKLIC, D., dr; TEDESKI, B., dr; TAKIC, S., dr;
STANKOVIC, M., dr; CIRIC, D., dr; PETROVIC, M., dr.

Our experience with scarlet fever in 1957. Med.glasn. 14 no.7/8:
387-390 JI-Ag '60.

1. Klinika za infektivne bolesti Medicinskog fakulteta u Beogradu
(Upravnik: prof. dr M.Milosevic)
(SCARLET FEVER epidemiol)

VASOJEVIC, S., doc. dr.; SUVAKOVIC, V., dr.; CIRIC, D., dr.; GROZA, A., dr.

Infectious hepatitis and hepatic coma (report of 3 cases). Med.
glasn. 15 no.7/8:330-334 JI-Ag '61.

1. Klinika za infektivne bolesti Medicinskog fakulteta u Beogradu
(Zamenik upravnika: doc. dr M. Nikolic).

(HEPATITIS INFECTIOUS compl)
(HEPATIC COMA etiol)

MILOSEVIC, Milorad, prof., dr.; VASOJEVIC, Stevan; MANOK, Milorad;
GROZA, Aleksandar

A case of a syndrome of exudative erythema multiforme (Stevens-
Johnson syndrome). Srpski arh. celok. lek. 89 no.4:471-475 Ap '61.

1. Infektivna klinika Medicinskog fakulteta Univerziteta u Beogradu.
Upravnik: prof. dr. Milorad Milosevic. Dermatoveneroloska klinika
Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: prof. dr
Sima Ilic.

(ERYTHEMA MULTIFORME case reports)

VASOJEVIC, Stevan; JEVTIC, Milica; SUVAKOVIC, Vojislav

Our preliminary experience with dithiazinine, a new drug
against strongyloidiasis. Srpski arh. colok. lek. 90 no.2:
191-195 F '62.

1. Klinika za infektivne bolesti Medicinskog fakulteta Uni-
verziteteta u Beogradu V.d. upravnika: prof. dr. Mihailo Nikolic
Zavod za zdravstvenu zastitu NR Srbije u Beogradu Upravnik:
prof. dr. Jovan Cekic.

(STRONGYLOIDIASIS ther)
(ATHELMINTICS ther)

MILOSEVIC, Milorad; VASOJEVIC, Stevan; TAKIC, Cveta; PERISIC, Zivadin;
JORGACEVIC, Dragisa

On a case of necrotic phlegmon of the neck and thorax. Srpski
arh. celok. lek. 90 no.2:203-206 F '62.

1. Klinika za infektivne bolesti Medicinskog fakulteta Uni-
verziteteta u Beogradu Upravnik: prof. dr. Milorad Milosevic.
(NECK dis) (THORAX dis) (PHLEGMON case reports)

S

CZECHOSLOVAKIA / Chemical Technology. Chemical Prod- H-26
ucts and Their Application. Carbohy-
drates and Their Processing.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 2678.

Author : Kohn, R., ~~Vasotro, J.~~

Inst : Not given.

Title : Electrochemical Problems in the Process of Puri-
fication of Juice During Defecosaturation.

Orig Pub: Listy cukrovarn., 1955, 71, No 12, 283-290.

Abstract: No abstract.

Card 1/1

L 04698-67 EWT(1) JT-2/GW
ACC NR: AP6029216

SOURCE CODE: UR/0095/66/000/008/0031/0032

AUTHOR: Vasov, O. F.; Turkot, I. A.

ORG: [Vasov] Technical Administration of the Ministry of Construction UzSSR,
Tashkent (Tekhnicheskoye upravleniye Ministerstva stroitel'stva UzSSR); [Turkot]
Uzgirokommungaz, Tashkent

TITLE: Seismic resistance of the gas network of Tashkent

SOURCE: Stroitel'stvo truboprovodov, no. 8, 1966, 31-32

TOPIC TAGS: earthquakeproof construction, gas pipeline, seismic resistance,
Tashkent earthquake, utility line construction

ABSTRACT: The series of earthquakes (intensity 2-8) that struck Tashkent in the
period from 26 April through May caused the greatest damage to the older
structures in the city that had been built before the introduction of earth-
quakeproofing techniques. The modern buildings and utility pipelines,
especially the gas pipelines, escaped with relatively little damage.

The Tashkent gas network was built in the period since 1959 by the
Uzgirokommungaz Institute following Construction Regulation SN-8-57 for
water and sewer pipelines. This regulation allowed for a considerable
degree of elastic deformation. A subsequent regulation for such construc-
tion projects in seismically active regions, SNiP [Construction Norms and

UDC: 621.643:669.841

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L 04698-67

ACC NR: AP6029216

Regulations] II-G 13-62, issued in 1963, called for thicker walls for underground pipes. Since this was found to substantially lessen pipe resistance to seismic tremors, the regulation was subsequently rescinded. None of the gas lines in Uzbekistan were built with extra-thick pipe walls.

During the series of quakes, not a single break occurred in the surface or underground gas lines. Water lines suffered some damage. Asbestos-cement and cast-iron pipes were most vulnerable to the tremors. The damage that did occur in steel pipes was found to have been in spots previously weakened by electrochemical corrosion. The successful survival of the Tashkent gas lines will be taken into account in future construction.

Orig. art. has: 3 figures. [ATD PRESS: 5057-F]

SUB CODE: 08, 13 / SUBM DATE: none

Card 2/2 fv

VASOVIC M. DR.

BLAGOJEVIC, M., dr.; KOVACEVIC, D., dr.; BIGA, S., dr.; VASOVIC, M., dr.

The effect of aureomycin ointment on the clinical picture of trachoma; experiences in antitrachoma dispensary in Padinska Skela. Med. glasn. 8 no.5:173-175 May 54.

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(TRACHOMA, ther.
aureomycin, ointment)
(AUREOMYCIN, ther. use
trachoma, ointment)

VASOVIC, M.

Economic and geographic research in the Kalje and Jazava Valleys. p. 29. (BEOGRAD, Vol. 1, 1951, No. 41, 1954.)

SC; Monthly List of East European Accessions. (EEAI, IC, Vol. 4, No. 6, June 1955, Uncl.

VASOVIC, MILORAD S.

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Lovcen i njegova podgorina; regionalno-geografska
ispitivanja. Cetinje, 1955. p. 105. (Mount Lovcen
and its mountainside; regional-geographical studies.
illus., bibl.)

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East European Accessions List, (EEAL),
Library of Congress Vol. 5, no. 11, November 1956.

VASOVIC, M., vanr. prof. Univerziteta (Beograd, Lole Ribara 24)

"The seaside slope of Velebit Mountain" by V. Rogic. Vol.2.
Reviewed by M. Vasovic. Glas Srp geogr dr 42 no.1:83-84
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1. Odgovorni urednik i clan Uredivackog odbora, "Glasnik
Srpskog geografskog drustva".

VASOVIC, M.

"Stockbreeding and the stockbreeder's life in the Beljanica,
Kučaj, and Rtanj Mountains, East Serbia" by M. Lutovac.
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VASOVIC, Milorad, vanredni profesor Univerziteta (Beograd, Lolo
~~Ribara-24~~)

"The valley of Vranje; anthropographic studies; general part"
by J. Trifunoski. Reviewed by M. Vasovic. Glas Srp geogr
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