

S/137/61/000/001/001/043
A006/A001

Translation from: Referativnyy zhurnal, Metallurgiya, 1961, No. 1, p. 43,
1V337

AUTHORS: Bogorodskiy, A.L., Blinov, V.V.

TITLE: Studying the Causes of Internal Crack Formation in High-Alloy Steel Ingots

PERIODICAL: V sb.: "Usadochn. protsessy v metallakh", Moscow, AN SSSR, 1960,
pp. 147 - 151

TEXT: For the purpose of eliminating defects in ingots resulting from thermal cracks, the properties of octahedral $\exists\text{W}395$ (EI395), \exists 405 (EI405) and $\exists\text{W}481$ (EI481) steel forge ingots were investigated. The ingots weighing 1.3 - 2.1 tons were cast into molds of different conicity. The ingot-mold thermal conditions were studied. Data are given on the basic types of molds used and on the macrostructure of EI405 steel ingots, cast into molds with ordinary, double and triple conicity. The high quality of an ingot cast into molds of triple conicity is stated (5.5% at the top, 16% in the middle portion and 100% at the bottom,

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Studying the Causes of Internal Crack Formation in High-Alloy Steel Ingots

which is spherical). The authors studied the mechanism of the ingot solidification and of the formation of transverse cracks in the ingot. They revealed the positive effect of warming-up the mold with a molding mixture or the speeded-up transfer of the ingot in the mold into the pressing shop at 720 - 840°C in order to eliminate thermally the cracks in the ingots.

O.M.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

VUKALOVICH, M.P.; ALTUNIN, V.V.; BLINOV, V.V.

Thermophysical properties of carbon dioxide. Part 2: Transfer coefficients at atmospheric pressure and temperatures of 200° to 1700°K. Teplofiz. vys. temp. 1 no.3:356-367' N-D '63.

(MIRA 17:3)

1. Moskovskiy energeticheskiy institut.

BLINOV, Ye.I.; ANDABURSKIY, S.I.

Woodpulp or sulfite alcohol? Bum-prom. 35 no.12:13-14 D '60.
(MIRA 13:12)

1. Latvyskiy sovmarkhoz.
(Woodpulp)

BLINOV, E. I.

Fuel Abstracts
May 1954
Steam Raising
and Steam
Engines

3765. ELIMINATION OF SLAGGING IN BOILER FURNACES. Blinov, E.I. and Potekhin, B.N. (Elekt. Sta. (Pwr Sta., Moscow), May 1953, vol. 24, 6-8). Unsatisfactory experience with the coal fuel in the furnaces of sectional boilers with cast iron clad baffles led to replacement of the latter by smooth-tubed open baffles and to increased heating surface through the insertion of additional tubes of smaller diameter. In such a reconstruction circulation efficiency must be tested by calculation and the original and additional tubes arranged on one plane. B.E.A.

BLINOV, Ye.I.

BALDINA, O.M., kandidat tekhnicheskikh nauk; BLINOV, Ye.I., inzhener;
POTEKHIN, B.N., inzhener.

Circulation in screens having forks. Elek.sta-28 no.7:18-22 J1 '57.
(MIRA 10:9)

(Boilers)

BLINOV, Ye.I., inzh.

№49 switchboards. Avtom.telem.i sviaz' 3 no.10:30 0 '59.
(MIRA 13:2)

1. Ilanskaya distantsiya signalizatsii i svyazi Krasnoyarskoy
dorogi.

(Electric switchgear)

MILOV, B.G., doktor tekhn.nauk; DERBENTSEV, F.F., kand.khim.nauk;
BLINOV, Ye.I., inzh.

Woodpulp and paper industry of the Hungarian People's Re-
public. Dum.prom. 35 no.3:27-29 Mr '60.

(MIRA 13:6)

(Hungary--Woodpulp industry)

(Hungary--Paper industry)

BLINOV, Ye.I.

Water pumping signaling system with operative a.c. Avtom.
telem. i sviaz' 8 no.2:24-25 F '64. (MIRA 17:6)

1. Starshly inzh. Nizhneudinskoy distantsii signalizatsii
i svyazi Vostochno-Sibirskoy dorogi.

AKIM, L.Ye.; GEYSBERG, S.M.; TALMUD, S.L.; Prinsipali uchasti e: YEL'NITSKAYA, Z.P., mladshiy nauchnyy sotrudnik; ZEL'DINA, A.Ye., mladshiy nauchnyy sotrudnik; MEL'CHAKOVA, N.A., mladshiy nauchnyy sotrudnik; BLINOV, Ye.P., starshiy laborant; BOGDANOVSKAYA, M.K., starshiy laborant

Obtaining viscose cellulose for the production of staple rayon with complete elimination of the stage of hot alkaline refining of the woodpulp. Trudy LTITSBP no.13:8-15 '64.

(MIRA 18:2)

L 36790-66 EWP(k)/EWT(d)/EWP(h)/EWP(l)/EWP(v) BC
ACC NR: AP6018271 SOURCE CODE: UR/0121/66/000/002/0043/0043

AUTHOR: Blinov, Yu. Ye.; Tugengol'd, A. K. 44
ORG: None 43
TITLE: A circular optical transducer 10 B
SOURCE: Stanki i instrument, no. 2, 1966, 43

TOPIC TAGS: optic instrument, recording instrument, oscillograph, machine tool, clutch

ABSTRACT: The authors describe a circular optical transducer designed for registering angular displacements which may also be used for measuring linear displacement by an indirect method. This transducer makes it possible to register the displacement of an operating unit during transient and steady-state processes. A diagram is given showing the construction and components. The frame of the transducer is fixed on the rotating lead screw on the roller of the unit to be studied. A motion picture film with etched lines (see figure 1) is mounted on the frame by means of a collar. This film acts as a phonogram for sound frequency recording. An optical system is located inside the frame which transmits a fine beam of light through the film. The sequence of lines and transparent sections causes periodic variations in the light beam intensity during rotation of the lead screw. These variations are transformed into electric pulses by means of a photocell and amplifier. The electric pulses are registered on an oscillogram. The

Card 1/3 UDC: 621-791.2:621.9

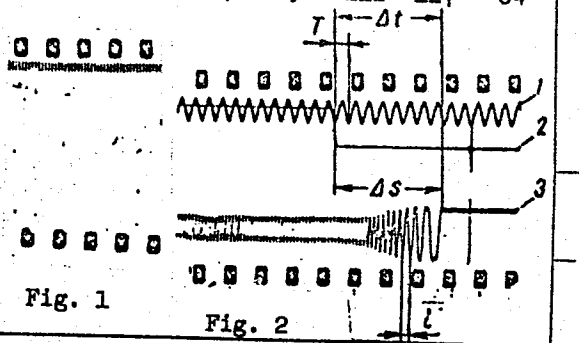
L 36790-66

ACC NR: AP6018271

discreteness of displacement registration is determined by the recording frequency of the phonogram (the distance between lines), while the number of pulses per revolution depends on the diameter of the transducer frame. If the parameters are chosen properly, pulses may be produced with widths measured in fractions of a micron. Practical parameters are as follows:

Pulse width i in microns when the lead screw pitch is 4 mm	0.5	1	1	2	3	3	5	10
Recording frequency of the phonogram is cps	9130	9130	2300	2300	2300	913	913	913
Diameter of the transducer body in mm	127	64	254	127	85	212	127	64

An oscillogram is given (see figure 2) showing the displacement of a machine tool table with preset control. The following are recorded on the oscillogram: time markings (curve 1) with interval T ; the voltage of the electromagnetic clutch which disconnects the drive after a stop command (curve 2); the signal from the circular transducer (curve 3). Displacement Δs



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of the table after disconnecting the clutch can be determined from the oscillogram (by the number of pulses N of the transducer and pulse width i). Table travel time Δt can also be determined from the oscillogram by the number n of time markings and by the interval. The rate of table travel can be determined for individual sections by calculation. The accuracy of the transducer is chiefly dependent on the uniformity of the phonogram recording. Orig. art. has: 3 figures, 1 table. [Translation]

SUB CODE: 09, 13, 14/ SUBM DATE: none/ ORIG REF: 000/ OTH REF: 000

Card 3/3 af

BLINOVA, L.I.

Effect of small X-ray doses on antidiphtherial immunity. Nauch.
trudy Kaz. gos. med. inst. 14:111-112 '64. (MIRA 18:9)

1. Kafedra epidemiologii (zav. - prof. A.E.Ozol), kafedra
rentgenologii (zav. - prof. M.I.Gol'dshteyn) i tsentral'naya
nauchno-issledovatel'skaya laboratoriya Kazanskogo meditsinskogo
instituta.

NEMSHILOVA, N.A. [deceased]; KULIKOVA, Ye.N.; VAYMAN, Ye.I.; YAKOBSON, D.A.;
KUZ'MINA, Yu.T.; FEDOROVA, S.A.; OSANOVA, V.P.; BLINOVA, L.L.;
RYABOVA, N.I.

Distribution of enteropathogenic Escherichia coli among various
population groups in Kazan and some cities of the Tatar A. S. S. R.
Zhur. mikrobiol., epid. i immun. 41 no.9:145-146 S '64. (MIRA 18:4)

1. Kazanskiy institut epidemiologii, mikrobiologii i gigiyeny i
Tatarskaya respublikanskaya sanitarno-epidemiologicheskaya
stantsiya, poliklinika No.2.

BLINOVA, M.I.; CRLOVA, N.N.

Evaluation of the seroprophylaxis of influenza in children
during the 1962 outbreak in Moscow. Trudy TSIU 80:17-19 '65.
(MIRA 18:11)

BLINOVA, Ye.N.

Modern hydrodynamic theory of climate and long-term weather
forecasting. Izv. AN SSSR. Ser. geofiz. no.1:110-123 Ja'64.
(MIRA 17:2)

1. Vychislitel'nyy meteorologicheskyy tsentr.

L 19686-65 EWT(1)/FCC GW

ACCESSION NR: AT4048450

S/3118/64/000/002/0003/0020

AUTHOR: Blinova, Ye. N., (Corresponding member AN SSSR)

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TITLE: Status and prospects for development of the hydrodynamic theory of climate and long-range weather forecasting ✓

SOURCE: Mirovoy meteorologicheskii tsentr. Trudy*, no. 2, 1964. Voprosy* gidrodinamicheskogo dolgosrochnogo prognoza pogody* (Problems in hydrodynamic long-range weather forecasting), 3-20

TOPIC TAGS: long-range weather forecasting, weather forecasting, climate and weather, water vapor, atmospheric carbon dioxide, ozone, short-range weather forecasting

ABSTRACT: The author presents a review of present-day (since 1957) hydrodynamic analysis of long- and short-range weather forecasting climate and weather. The results of the large-scale testing of long-range forecasting by use of electronic computers has revealed several principal directions in the development of the theory. They are discussed. 1. The new formulation of the problem of long-range forecasting in which the principal climatic elements are

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solution of prognostic equations. Heat exchange and moisture exchange between the underlying surface (ocean, land) and the atmosphere are taken into account, since they vary with time and over the earth's surface; the fluxes of heat and moisture are also dependent on the properties of the carbon dioxide-water vapor mixture in the atmosphere, which have this same characteristic also.

The new formulation of the problem of predicting the smoother variables and the elements in which covariances as well as smoother variables are taken into account. This paper was presented at the

International Conference on Numerical Weather Prediction, Moscow, 1968.

12 pages. 1 figure.

ASSOCIATION: Mirovoy meteorologicheskij tsentr (World Meteorologic Center)

SUBMITTED: 00

ENCL: 00

SUB CODF ES

NO REF SOV: 023

OTHER: 005

Card 2/2

BLINOV, YE. YA.

BLINOV, YE. YA. -- "CERTAIN PROBLEMS ON THE PRECISION OF GRAPHIC DESIGN IN AIRCRAFT
CONTOURS." SUB # JUN 52, MOSCOW ORDER OF LENIN AVIATION INST INENI SERGO ORDZHONIKIDZE
(DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

BLINOV, Yu. I., inzh.

Using polymeric films in construction. Stroi. mat. 6 no.9:34-35
S '60. (MIRA 13:9)
(Polyethylene) (Construction industry)

BLINOV, Yu.I.; OREKHOV, S.Ya.; SHAMRAY, I.A.

Garnet placer in Tuapse. Priroda 50 no.8:108-109 Ag '61. (MIRA 14:7)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.
(Tuapse region—Garnet)

BLINOV, Yu.I., inzh.; SERKOVA, G.N., inzh.

Films for finishing the interiors of buildings. Stroi.mat. 8
no.7:9-11 JI '62. (MIRA 15:8)
(Plastic films) (Building--Details)

VYDRIN, V.N.; BARKOV, L.A.; BLINOV, Yu.I.

Determining contact areas in rhomb - square grooves. Izv.
vys. ucheb. zav.; Chern. met. 6 no.12:109-111 '63.
(MIRA 17:1)

1. Chelyabinskiy politekhnicheskiy institut.

BLINOV, Yu. Ye.

Precision of the braceless stopping of the actuating member of
a program controlled machine tool. Stan. 1 instr. 34 no.6:16-18
Je '63. (MIRA 16:7)

(Machine tools—Numerical control)

BLINOV, Yu.Ye., aspirant

Theoretical determination of the stopping precision of the table of a program-controlled upright jig drilling machine. Izv.vys.ucheb.zav.; mashinostr. no.6:162-171 '63. (MIRA 16:10)

1. Rostovskiy-na-Donu institut sel'skokhozyaystvennogo mashinostroyeniya.

AUTHOR: Blinova, A., Flying Instructor, 2nd Moscow Aeroclub Sov/85-58-8-10/40

TITLE: Instructor and Flying Student (Instruktor i kursant)

PERIODICAL: Kryl'ya rodiny, 1958, Nr 8, pp 4-5 (USSR)

ABSTRACT: The author, an aeroclub flying instructor of twenty years experience, describes the training methods with which she has made a successful teaching record. She emphasizes the importance of an understanding of the student's general make-up and characteristics, of his educational background and inclinations, physical condition, and the degree of interest he shows in flying. There are 2 photographs.

ASSOCIATION: 2-y Moskovskiy aeroklub (2nd Moscow Aeroclub)

Card 1/1

BLINOVA, A.A.

MASHINSKIY, I.A.; BLINOVA, A.A.; MNUSHKIN, M.L.; APTEKMAN, I.L.; KOTENKOV, P.N.

"Economy and organization of chemical production" by S.Z. Pogostin.
Reviewed by I.A. Mashinskiy and others. Khim. prom. no.2:124-126
Mr '57. (MLA 10:6)

(Chemical industries) (Pogostin, S.Z.)

BLINOVA, A.I.

[A case of exsudative pericarditis, cured by perforations] Sluchai
ekssudativnogo perikardita, islechnogo punktsiiami. Vest.khir.
70 no.1:55 '50. (CML 19:1)

1. Of the Surgical Section of MPVO Hospital (Head -- N.I.Blinov).

SHERMAN, S.I., professor (Leningrad); DIAKONOVICH, S.I. (Leningrad);
YURIKAS, I.A. (Leningrad); BLINOVA, A.I. (Leningrad);
ALEKSEYEVA, A.V. (Leningrad); ~~GERMANT, R.S.~~ (Leningrad).

Problem of prevention of post-transfusion virus hepatitis.

Klin.med. 31 no.12:57-61 D '53.

(MLRA 7:1)

1. Iz Leningradskogo ordena Trudovogo Krasnogo Znameni nauchno-
issledovatel'skogo instituta perelivaniya krovi (nauchnyy rukovoditel' - professor A.N.Filatov) i otdela virusologii (zaveduyushchiy - chlen-korrespondent Akademii meditsinskikh nauk SSSR professor A.A.Smorodintsev) Instituta eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR.

(Hepatitis, Infectious)

BLINOVA, A.I., starshiy nauchnyy sotrudnik

Myeloid hemopoiesis in hypertension. Akt.vop.perel.krovi no.4:200-202
'55. (MIRA 13:1)

1. Gematologicheskaya klinika Leningradskogo instituta perelivaniya
krovi (zav. klinikoy - prof.S.I. Sherman).
(HYPERTENSION) (HEMOPOIETIC SYSTEM)

BLINOVA, A.I., starshiy nauchnyy sotrudnik; RABINOVICH, S.I., nauchnyy
sotrudnik

Myeloid hemopoiesis in cancer of the digestive tract. Akt.vop.perel.
krovi no.4:203-205 '55. (MIRA 13:1)

1. Gematologicheskaya klinika Leningradskogo instituta perelivaniya
krovi (sav. klinikov prof. S.I. Sherman).
(DIGESTIVE ORGANS--CANCER) (HEMOPOIETIC SYSTEM)

BLINOVA, A.I., starshiy nauchnyy sotrudnik; RABINOVICH, S.I., nauchnyy sotrudnik

Thrombopoiesis in stomach cancer. Akt.vop.perel.krovi no.4:205-207
'55. (MIRA 13:1)

1. Gematologicheskaya klinika Leningradskogo instituta perelivaniya
krovi (zav. klinikoy - prof. S.I. Sherman).
(BLOOD PLATELETS) (STOMACH--CANCER)

ANKERMAN, V.V., starshiy nauchnyy sotrudnik; BLINOVA, A.I., starshiy nauchnyy sotrudnik

Study of the influence of blood transfusion on the cardiovascular system of the recipient by means of Professor N.N. Savitskii's mechnocardiograph. Akt.vop.perel.krovi no.4:208-209 '55. (MIRA 13:1)

1. Gematologicheskaya klinika Leningradskogo iustituta perelivaniya krovi (zav. klinikoy - prof. S.I. Sherman).
(BLOOD--TRANSFUSION) (CARDIOVASCULAR SYSTEM) (CARDIOGRAPHY)

BLINOVA, A.I., starshiy nauchnyy sotrudnik; PERMYAKOVA, N.A., nauchnyy
sotrudnik

Liver function in lupus erythematosus patients in relation to blood
transfusion. Akt.vop.perel.krovi no.4:210-211 '55. (MIRA 13:1)

1. Gematologicheskaya klinika Leningradskogo instituta perelivaniya
krovi (zav. klinikoy - prof S.I. Sherman).
(LIVER) (LUPUS) (BLOOD--TRANSFUSION)

T

Country : USSR
Category : Human and Animal Physiology, Blood
Abs. Jour. : Ref Zhur - Biol., No. 2, 1959, No. 7949
Author : Plinova A.; Dembo, M.; Chichinadze, K.
Institut. :
Title : Blood Regeneration in Donors after Losing
Different Amounts of Blood.
Orig Pub. : V sb.: Aktual'n. vopr. pereliv. krovi. Vyp. 5,
Leningrad, 1957, 3--6
Abstract : The study was performed on 102 donors (11 men
and 91 women) aged 21 to 50. After 250--280
ml of blood was drawn rapidly from 20 donors
and 400--450 from 44 donors, blood tests, reti-
culocyte counts and thrombocyte counts were
performed. Blood was examined on the day
blood was drawn, two days later and every five
days thereafter for a period of one month.
When the blood was taken all at once, the
hemoglobin content was 1.5% lower than the
initial level; when the blood was taken frac-
tionally, it was 2.6% lower. The highest
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Card:

BLINOV, A.I.

BLINOV, A.I.; ANTONOVA, Ye.V.; POZDANOV, A.A.; YAKOVLEVVA, O.P.

Investigation of therapeutic action of transfusion of the blood without a stabilizer in diseases of the blood. Probl.gemat. 1 perel. krovi 2 no.3:33-38 My-Je '57. (MLRA 10:8)

1. Iz Leningradskogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo instituta perelivaniya krovi (dir. - dotsent A.D. Belyakov, nauchnyy rukovoditel' - chlen-korrespondent AMN SSSR professor A.N.Filatov)

(BLOOD DISEASES, therapy,

transfusion of blood prep. with ion-exchange resins without stabilizer (Rus))

(BLOOD TRANSFUSION,

blood prep. with ion-exchange resins without stabilizer in ther. of various blood dis. (Rus))

(ION EXCHANGE RESINS,

prep. of blood for transfusion in various blood dis. (Rus))

BLINOVA, A.I.

FILATOV, A.N., prof.; CHAPLYGINA, Z.A.; DEPP, M.Ye.; GREBENSHCHIKOVA, L.A.;
ABRAMOV, V.S.; BLINOVA, A.I.; POVERGO, N.S.; LUGANOVA, I.S. (Leningrad)

Comparative study of some solutions made of heterogenous protein;
L-103 solution and Belen'ki's serum. Klin.med. 35 no.7:47-53 J1 '57.
(MIRA 10:11)

1. Iz Leningradskogo ordena Trudovogo Krasnogo Znameni nauchno-
issledovatel'skogo instituta perelivaniya krovi. 2. Chlen-korespon-
dent AMN SSSR (for Filatov).

(AMINO ACID MIXTURES,

protein hydrolysates L-103 & Belenki's serum, comparison
(Rus))

AKKERMAN, V.V., doktor med.nauk; BLINOVA, A.I., dots.

Study of the influence of therapeutic bloodletting on the cardiovascular system of patients with essential polycythemia by means of oscillography and sphygmography. Akt.vop.perel.krovi no.6:112-119 '58. (MIRA 13:1)

1. Gematologicheskaya klinika Leningradskogo instituta perelivaniya krovi (sav. klinikoy - prof. S.I. Sherman).
(BLOODLETTING) (CARDIOVASCULAR SYSTEM) (ERYTHREMIA)

SHERMAN, S.I., prof.; BLINOVA, A.I.

Indications and contraindications for splenectomy in Werlhof's disease, hemolytic jaundice, the splenomegalic form of liver cirrhosis, and in thrombophlebitis splenomegaly. Probl.gemat.i perel.krovi 5 no.1:14-17 Ja '60. (MIRA 14:6)

1. Iz gematologicheskoy kliniki (zav. - prof. S.I.Sherman) i khirurgicheskoy kliniki (zav. - chlen-korrespondent AMN SSSR prof. A.N.Filatov) Leningradskogo ordena Trudovogo Krasnogo Znameñi instituta perelivaniya krovi (dir. - dotsent A.D.Belyakov).
(SPLIEN-SURGERY) (LIVER-CIRRHOSIS)
(ANEMIA) (PURPURA (PATHOLOGY))

YEGOROVA, V.A.; ELINOVA, A.I.; SETTS, I.F.

Energy metabolism in human thrombocytes under normal conditions,
in polycythemia and chronic myelosis. Vop. med. khim. 11 no.1:35-41
Mar 1965. (MIRA 18:10)

L. Leningradskiy institut perelivaniya krovi.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX 1ST AND 2ND ORDERS

BLINOVA, A.M. 22

CR

Oxidation of transformer oils. M. V. Kurlin and A. M. Blinova. *J. Applied Chem. (U. S. S. R.)* 7, 831-6 (1954).—The increase in the O content of the oil is a criterion for its deterioration. The more severe the original refining of the oil, the more unstable is the oil during use and accordingly the more O₂ it absorbs. So-called white oils should not be used in equipment where they are exposed to air. A. A. Boettingk

ASME-5LA METALLURGICAL LITERATURE CLASSIFICATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

CA 11F

The carbohydrate and phosphorus metabolism in the muscles of the overheated animal. H. R. Ya. Yudelevich and A. M. Blinova. *Arch. int. Biol.* (U. S. S. R.) 39, 654-657 (in English) (1973); cf. *C. A.* 40, 2019.

Dogs, under deep anesthesia, with the spinal cord cut between the 7th cervical and 1st dorsal in one series, and at the 1st cervical in another, were overheated to 41° at the body temp. Lactic acid was detd. in the blood, and lactic acid, total inorg. P, creatine phosphate, and pyrophosphate were detd. in muscle. It is concluded that in overheating, with the exclusion of work and of the activity of the central nervous system, the glycolytic process is inhibited and the concn. of pyrophosphate decreases in comparison with animals under same conditions but with normal temp. W. A. Petrowic.

430-31A METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED	INDEXED	SERIALIZED	FILED

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Action of phenamine on the respiration and circulation in hypoxemia. A. M. Blizova and M. M. Voll. *Russk. Eksp. Biol. Med.* 19, No. 3, 45-7 (1944).—Nineteen expts. were carried out: 12 with dogs under narcosis; 6 with dogs accustomed to a gas mask; and 3 with human subjects. Hypoxemia was caused by inhalation of a gas mixt. with 8-8% O for dogs, and with 11% O for human subjects. Thirty min. before inhaling the mixt. the dogs were given phenamine intravenously (1 mg./kg.), and the human subjects received 10 mg. orally. The injection of phenamine into the dogs under narcosis, when they were breathing air, caused an increase in the arterial pressure for 15-20 min. after which the pressure returned to normal. The pulmonary ventilation was somewhat increased in the first 5-10 min. The rate of blood circulation in the carotid and femoral arteries increased in the beginning if the initial rate was low, and decreased if the initial rate was high. In 10 min. the rate of blood circulation returned to normal; in 20-30 min. the blood pressure and the blood-circulation rate approached the initial values. The min. vol. of the heart and O consumption were somewhat increased after the introduction of phenamine. The introduction of phenamine in hypoxemia has a favorable effect owing to the increase of blood supply to the brain and greater arterIALIZATION of the blood. S. G. Machelson

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM DIVISION

SECOND DIVISION ONE

SECTION ONE

SECTION TWO

SECTION THREE

SECTION FOUR

SECTION FIVE

SECTION SIX

SECTION SEVEN

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SECTION NINE

SECTION TEN

SECTION ELEVEN

SECTION TWELVE

SECTION THIRTEEN

SECTION FOURTEEN

SECTION FIFTEEN

SECTION SIXTEEN

SECTION SEVENTEEN

SECTION EIGHTEEN

SECTION NINETEEN

SECTION TWENTY

SECTION TWENTY ONE

SECTION TWENTY TWO

SECTION TWENTY THREE

SECTION TWENTY FOUR

SECTION TWENTY FIVE

SECTION TWENTY SIX

SECTION TWENTY SEVEN

SECTION TWENTY EIGHT

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SECTION FIFTY SEVEN

SECTION FIFTY EIGHT

SECTION FIFTY NINE

SECTION SIXTY

SECTION SIXTY ONE

SECTION SIXTY TWO

SECTION SIXTY THREE

SECTION SIXTY FOUR

SECTION SIXTY FIVE

SECTION SIXTY SIX

SECTION SIXTY SEVEN

SECTION SIXTY EIGHT

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SECTION SEVENTY

SECTION SEVENTY ONE

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SECTION EIGHTY

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SECTION NINETY

SECTION NINETY ONE

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SECTION NINETY THREE

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SECTION NINETY FIVE

SECTION NINETY SIX

SECTION NINETY SEVEN

SECTION NINETY EIGHT

SECTION NINETY NINE

SECTION HUNDRED

1ST AND 2ND ORDERS 3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

COMMON ELEMENTS

CH

Effect of carbon dioxide on the oxygen transport in hypoxemia. A. M. Blinova, L. I. Ardashnikova, G. N. Aronova, and M. M. Volk.—*Bull. Eksp. Biol. Med.* 17, No. 6, 47-9(1944).—Expts. were carried out with dogs under morphine narcosis on inhaling a gas mixt. contg. 0.5-7% O₂ and the same mixt. with 4-5% CO₂ added. The O₂ and CO₂ contents in the arterial blood and in the blood from the right heart were detd. The addn. of 4-5% CO₂ to the gas mixt. contg. little O₂ is a favorable factor for the O₂ transport in hypoxemia. The increase to normal of the CO₂ pressure in blood, i.e., compensation of hypocapnia, assures a better supply of oxygen to the tissues, not only because of the increase in the arterialization of blood but also because of the increase in the degree of disocn. of HbO₂.
Sanya G. Machelson

COMMON VARIABILITY INDEX

MATERIALS INDEX

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

ALPHANUMERIC INDEX

1ST AND 2ND ORDERS 3RD AND 4TH ORDERS

COMMON ELEMENTS

Country : USSR
Category= : Human and Animal Physiology. T
 : The Nervous System. Blood Supply.
Abs. Jour. : Ref Zhur-Biol., No 23, 1958, 106804
Author : Blinova, A. M.
Institut. : -
Title : The Effects of Reflexes upon the Brain's Blood
 Supply. 2nd Report. Interoceptive Small Intesti-
 ne Irritations in Hypercapnia Affecting the*
Orig. Pub. : Byul. eksperim. biol. i med., 1957, 43, No 3,
 3-7
Abstract : In dogs, the brain's blood supply, the level of
 which was estimated by the volumetric speed of
 the blood stream in the meninx, was investigated
 with the thermoelectric method. For this purpose,
 the small intestinal interoceptors were irrita-
 ted by dilating them with air in normal condi-
 tions and in short-lasting hypercapnia (H). In
 H conditions, interoceptor irritation resulted
 in a greater intensity of the blood stream than
 when room air was inhaled. Twenty to 40 seconds
Card: 1/2
*Brain's Blood Supply.

Country : USSR
 Category= : Human and Animal Physiology. T
 The Nervous System. Blood Supply.
 Abs. Jour. : Ref Zhur-Biol., No 23, 1958, 106805
 Author : Blinova, A. M.; Ryzhova, N. M.
 Institut. : -
 Title : The Effects of Reflexes upon the Brain's Blood
 Supply. 3rd Report. The Significance of Synocarotid
 Zones in the Regulation of the Brain's*
 Orig. Pub. : Byul. eksperim. biol. i med., 1957, 44, No 12,
 3-7

Abstract : In 25 dogs, changes of the meninx' volumetric
 speed of the blood stream (SBS) were investigated.
 The thermoelectric method was used. An irritation
 of the small intestine interoceptors was produced
 by dilating with air. An interoceptor irritation
 (II) caused an increase of blood pressure and of
 SBS. In cases, in which vasodilating impulses of
 synocarotid barocentors were restricted (by clamping-
 off of carotid arteries), SBS became reduced as
 II occurred. After a cuff

Card: 1/3 *Blood Supply in Interoceptor Irritations.

Country : USSR
Category : Human and Animal Physiology. T
 : The Nervous System, Blood Supply.
Abs. Jour. : Ref Zhur-Biol., No 23, 1958, 106805
Author :
Institut. :
Title :

Orig Pub. :

Abstract (cont) : was placed on the carotid bifurcation (thus preventing the sinus walls from widening and also preventing the accompanying increased irritation of baroreceptors with rising aortic pressure), SBS and II increases were less pronounced. It was established that impulses originating at the baroreceptors of the synocarotid zone in interoceptive reflex reactions of the pressor, produce a decrease in the tonus of the cerebral

BLINOVA, A.M.; RYZHOVA, N.M.

Use of thermoelectric method in studying the cerebral blood supply in dogs without anesthesia [with summary in English]. Biul. eksp. biol. i med. 45 no.1:100-102 Ja '58. (MIRA 11:4)

1. In laboratorii fiziologii i patologii dykhaniya i krovoobrashcheniya (zav. - prof. M.Ye.Marshak) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.N.Chernigovskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR V.V.Parinym.

(BRAIN, blood supply,
thermo-electric exam. in dogs without anesth. (Rus))

BLINOVA, A.M.; RYZHOVA, N.M.

Nervous regulation of the blood supply of the brain. Vest. AMN
SSSR 16 no.5:56-69 '61. (MIRA 14:12)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR.
(BRAIN__BLOOD SUPPLY) (SYMPATHETIC NERVOUS SYSTEM, SYMPATHETIC)
(ELECTROENCEPHALOGRAPHY)

BLINOVA, A.M.; RYZHOVA, N.M.

Significance of anastomoses among ramifications of the external and internal carotid arteries for the blood supply of the brain. *Blul. eksp. biol. i med.* 52 no.8:3-8 Ag '61. (MIRA 15:1)

1. Iz laboratorii fiziologii i patologii dykhaniya i krovoobrashcheniya (zav. chlen-korrespondent AMN SSSR prof. M.Ye.Marshak) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen-korrespondent AMN SSSR prof. V.V.Parin) AMN SSSR, Moskva. Predstavleno deystvitel'nyy chlenom AMN SSSR V.V.Parinym.

(BRAIN_BLOOD SUPPLY)

(CAROTID ARTERY)

BLINOVA, A.M.; SARADZHEV, N.K.; SHEYKHON, F.D.

Functional state of the pressor and depressor zones of the reticular formation of the medulla oblongata in reflex reactions of the vascular system. Trudy Inst. norm. i pat. fiziol. AMN SSSR 6:110-112 '62 (MIRA 17:1)

1. Laboratoriya fiziologii i patologii krovoobrashcheniya i dykhaniya (zav. - chlen-korrespondent AMN SSSR prof. M.Ye. Marshak) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

BLINOVA, A.M.; SARADZHEV, N.K.; SHEYKHON, F.D.

Functional organization of the bulbar vasomotor center. Report No. 1: Excitability of neuronal elements of the pressor and depressor zones in different functional conditions. Biul. eksp. biol. i med. 55 no.4:3-9 Ap '63.

(MIRA 17:10)

1. Iz laboratorii fiziologii i patologii dykhaniya i krovoobra-shcheniya (zav. - chlen-korrespondent AMN SSSR prof. M.Ye. Mar-shak) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.V. Parin) Moskva.

BLINOVA, A.M.; SARADZHEV, N.K.; SHEYKHON, F.D.

Functional organization of the bulbar vasomotor center. Activity of pressor zone neurons in carotid reflexes. *Biul. eksp. biol. i med.* 57 no.6:5-10 Je '64. (MIRA 18:4)

1. Laboratoriya fiziologii i patologii krovoobrashcheniya i dykhaniya (zav. - chlen-korrespondent AMN SSSR prof. M.Ye.Marshak) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.V.Parin) AMN SSSR, Moskva.

BLINOVA, A.M.; SARADZHEV, N.K.; SHEYKHON, F.D.

Effect of local stimulation of bulbar pressor structures on the electrical activity of sympathetic nerves. Trudy Inst.norm.i pat.fiziol. AMN SSSR 7:25-26 '64. (MIRA 18:6)

1. Laboratoriya fiziologii i patologii krovoobrashcheniya i dykhaniya (zav. - onlen-korrespondent AMN SSSR, prof. M.Ye. Marshak) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

AKKERBERG, I.I., kand.med.nauk; BLINOVA, E.A.; VIDOMENKO, A.N.; YURGENSON,
I.A. [Jurgenson, I.], kand.biologicheskikh nauk; YANES, Kh.Ya.
[Janes, H.]

Hygienic determination of air pollution in a shale industry region.
Gig.i san. 25 no.8:5-7 Ag '60. (MIRA 13:11)

1. Iz Instituta eksperimental'noy i klinicheskoy meditsiny Akademii
nauk Estonskoy SSR.

(AIR-POLLUTION)

(SULFUR DIOXIDE)

BLINOVA, G.A.

LITVINOVA, Ye.V.; BLINOVA, G.A.; DEMIN, V.N.; SHAL'NEVA, T.S.

Evaluation of cytodiagnosis of cancer of distal segments of the large intestine. Vop.onk. 1 no.5:57-63 '55. (MIRA 10:1)

1. Iz kafedry onkologii (zav. - prof. A.I.Rakov) Gosudarstvennyy institut dlya usovershenstvovaniya vrachey im. S.M.Kirova na base Instituta onkologii AMN SSSR (dir. - chlen-korr. AMN SSSR prof. A.I.Serebrov) Adres avtorov: Leningrad, Kamennyy ostrov, 2-ya Beresovaya alleya, d.3, Institut onkologii AMN SSSR.
(INTESTINE LARGE, neoplasms,
diag., cytol.)

BLINOVA, G. A.

BLINOVA, G. A.: "Intramural distribution of cancer of the rectum and its clinical significance." Leningrad State Order of Lenin Inst for the Advanced Training of Physicians imeni S. M. Kirov. Leningrad, 1956.

(Dissertation for the degree of Candidate in Medical Sciences)

SO: Knizhnaya Letopis', No 36, 1956, Moscow.

BLINOVA, G.A. (Leningrad, Kondrat'yevskiy pr., d. 26, kv. 22)

Intramural spreading of rectal cancer and its importance in surgery
[with summary in English] Vop. onk. 2 no.6:742-747 '56

(MLRA 10:4)

1. Iz kafedry onkologii (zav.-prof. A.I. Rakov) GIDUV I
khirurgicheskogo otdeleniya (zav.-prof. S.A. Kholdin) Instituta
onkologii AMN SSSR (dir.-chl.-korr. AMN SSSR prof. A.I. Serebrov)
(RECTUM, neoplasms
intramural spreading of cancer, significance in surg.)

BLINOVA, G.A.

Keratoacanthoma. Vop.onk. 5 no.8:218-227 '59.

(MIRA 12:12)

1. Iz patologomorfologicheskoy laboratorii (zav. - chlen-korrespondent AMN SSSR prof. M.F. Glasunov) Instituta onkologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.I. Serebrov). Adres avtora: Leningrad, P-129, 2-ya Beresovaya alleya, d.3, Institut onkologii AMN SSR.

(PAPILLOMA)

LITVINOVA, Ye.V.; BLINOVA, G.A.

Concerning so-called aberrant goiters. Vest. khir 82 no.6:40-45
Je '59. (MIRA 12:8)

1. Iz kafedry onkologii (zav. - prof. A. I. Rakov) Instituta us-
vershenstvovaniya vrachey im. S.M. Kirova (dir. - prof. N. I. Blinov)
i Instituta onkologii AMN SSSR (dir. - prof. A. I. Serebrov) Adres
avtorov: Leningrad, Kamenny ostrov, 2-ya Berezovaya alleya, 3,
Institut onkologii AMN SSSR.
(GOITER)

GLAZUNOV, M. F.; BLINOVA, G. A.

Corneous molluscum (keratoacanthoma) of the lower lip. Pt. 1.
Benign corneous molluscum. Vop. onk. 6 no.12:8-29 '60.
(MIRA 15:7)

1. Iz patomorfologicheskoy laboratorii (zav. - deystvitel'nyy
chlen AMN SSSR prof. M. F. Glazunov) Instituta onkologii AMN
SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A. I. Serebrov).
Adres avtorov: Leningrad, Kamenny ostrov, 2-ya Berezovaya
alleya 3, Institut onkologii.

(LIPS---TUMORS)

ALEKSANDROVA, G.I.; BLINOVA, G.A.

Clinical and morphological characteristics of epitheliomas of the parotid gland. Vop. onk. 11 no.6:28-36 '65.

(MIRA 18:8)

1. Iz 2-go khirurgicheskogo otdeleniya (zav. - chlen-korrespondent AMN SSSR prof. A.I.Rakov) i patologoanatomicheskoy laboratorii (zav. - doktor med.nauk S.F.Serov) Instituta onkologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR A.I.Serebrov).

OZOLINA, Z.D., kand.sel'skokhoz.nauk; BLINOVA, G.M.

Methods of conducting the chemical analysis of peat-mineral-ammonium fertilizers. Torf.prom. 39 no.4:17-21 '62. (MIRA 15:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya, Moskva.
(Fertilizers and manures--Analysis)

OZOLINA, Z.D., kand. sel'skokhoz. nauk; BLIMOVA, G.M.

Ways of increasing the availability of peat nitrogen to
plants. Torf. prom. 40 no.2:22-25 '63. (MIRA 16:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy
i agropochvovedeniya, Moskva.
(Plants--Nutrition) (Nitrogen) (Peat)

177
MT

KHOKHLOV, A.S.; ELINOVA, I.N.

Paper chromatography of some derivatives of benzyl- and
phenoxymethylpenicillin. Antibiotiki 8 no.1:35-39 Ja'63.
(MIRA 16:6)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(PENICILLIN) (PAPER CHROMATOGRAPHY)

Blinova, K. F.

Anatomical structure of *Geum rivale* and *Geum urbanum* and the distribution of their tanning substances. K. F. Blinova (Leningrad Chem. Pharm. Inst.). *Aptekhoz Delo* 9, No. 2, 30-5 (1954).—Tannin is more abundant in the rhizome than in the roots and leaves. A study of the anatomical structure of the plant affords the means of locating the deposits of tannins and getting an idea of their approx. amt. The tannin content of the roots and leaves of both species is the same while the rhizome of *G. urbanum* contains less than those of *G. rivale*. Young leaves contain more tannin than the older ones. A. S. Mirkin

BLINOVA, K.F.; STUKKEY, K.L.

Qualitative chemical investigation of some Transbaikalian plants used in Tibetan medicine. Report No.1. Trudy Len. khim.-farm. inst. 12:135-155 '61. (MIRA 15:3)

1. Kafedra farmakognozii i botaniki Leningradskogo khimiko-farmatsevticheskogo instituta.

(TRANSBAIKALIA--BOTANY, MEDICAL)
(PHARMACOGNOSY)

KUVAYEV, V.B.; BLINOVA, K.F.

Preliminary chemical evaluation of Transbaikalian plants used
in Tibetan medicine. Trudy Len. khim.-farm. inst. 12:213-262
'61. (MIRA 15:3)

1. Vsesoyuznyy institut lekarstvennykh i aromaticeskikh
rasteniy i Leningradskiy khimiko-farmatsevticheskiy institut.
(TRANSBAIKALIA---BOTANY, MEDICAL)
(PHARMACOGNOSY)

BLINOVA, K.F.; STUKKEY, K.L., dotsent

Pharmacognostic study of the plants used in Tibetan medicine. Trudy Len.
khim.-farm. inst. no.17:173-190 '64. (MIRA 18:1)

1. Kafedra farmakognozii i botaniki Leningradskogo khimiko-farmatsevticheskogo instituta.

BLINOVA, I. A., LIDOV, V. P., KUDRYASHOVA, L. N., SMIRNOV, M. P. and
POLYVIANYI, I. R.

"On Precipitation and Reaction Smelting of Lead Concentrates,"

(report submitted at a conference on new methods of lead production from concentrates, Gintsvetmet (State Inst. Non-Ferrous Metallurgy), Moscow, 22-25 June 1958.

(for entire conf. see card for LIDOV, V. P.)

VALLER, R.L. [deceased]; NIKITINA, I.S.; BLINOVA, L.A.

New techniques for treating copper-zinc concentrates. Biul. TSIIN
tsvet. met. no.9:17-20 '58. (MIRA 11:6)
(Copper--Metallurgy) (Zinc--Metallurgy)

USHAKOV, K.I.; VOLYNSKAYA, M.A.; BLINOVA, L.A.

Pelletizing oxidized nickel ores. TSvet. met. 36 no.10:21-
25 0 '63. (MIRA 16:12)

VESELOV, M.P.; KRUPENINA, A.A.; BLINOVA, L.A.

Studies on the bactericidal and sporocidal properties of
dichlorohydantoin and its derivatives. Zhur.mikrobiol.epid.
i immun. 30 no.4:111-116 Ap '59. (MIRA 12:6)

1. Iz Voenno-meditsinskoy ordena Lenina akademii imeni S.M.
Kirova.

(HYDANTOINS, effects,
dichlorohydantoin & deriv., bactericidal &
sporogenic eff. (Rus))

USHAKOV, K.I.; BLINOVA, L.A.; VOLYNSKAYA, M.A.

Briquetting finely divided particles of copper ores and concentrates. TSvet. met. 35 no.4:12-21 Ap '62. (MIRA 15:4)
(Copper ores) (Briquets)

USHAKOV, K.I.; BLINOVA, I.A.; VOLYNSKAYA, M.A.; FEL'MAN, R.I.

Briquetting fine copper ores and concentrates. Sbor. nauch.
izd. Gintsvetmeta no.23:74-86 '65. (MIRA 18:12)

KATSNEL'SON, A.B., prof.; BLINOVA, L.I., ordinator

Amount of vitamin C in the human cornea under normal conditions and following changes caused by disease. Oft.zhur. 15 no.7:396-400 '60.

(MIRA 13:11)

1. Iz kafedry glaznykh bolezney Chelyabinskogo meditsinskogo instituta i oblastnoy klinicheskoy bol'nitsy.

(ASCORBIC ACID)

(CORNEA--DISEASES)

BLINOVA, L.I.; TSYPIN, L.M.; SHEYNBERG, A.I.

Content of riboflavin and ascorbic acid in the cornea in burns
of the eye. Vest.oft. no.6:48-53 '61. (MIRA 14:12)

1. Kafedra glaznykh bolezney (sav. - prof. A.B. Katsnel'son)
Chelyabinskogo meditsinskogo instituta i glaznoye otdeleniye
oblastnoy klinicheskoy bol'nitsy.
(EYE—WOUNDS AND INJURIES) (CORNEA)
(RIBOFLAVIN) (ASCORBIC ACID)

KULIKOVA, Ye.N.; VAYMAN, Ye.I.; KUZ'MINA, Yu.T.; BLINOVA, L.L.;
SUVORKOVA, A.D.

Use of accelerated methods for the laboratory diagnosis of
dysentery; phase titer growth reaction and fluorescent antibody
method. Zhur. mikrobiol., epid. i immun. 40 no.6:131 Je '63.
(MIRA 17:6)

1. Iz Kazanskogo instituta epidemiologii, mikrobiologii i
gigiyeny polikliniki No.2, Kazani.

BLINOVA, L.P.

Effect of tillage on variation of evaporation and the temperature of soil and adjacent air layers in a potato field. Trudy OGI no.16: 127-132 '58. (MIRA 12:9)
(Potatoes) (Tillage) (Meteorology, Agricultural)

BLINOVA, L.P.

Apparatus for measuring the speed of sound in water. Trudy
inst. Kom. stand., mer i izm. prib. no.73:41-45 '63.

(MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
im. D.I. Mendel'eyeva.

ACC NR: AR6023373

SOURCE CODE: UR/0274/66/000/003/B003/B004

AUTHOR: Blinova, L. P.

TITLE: Acoustic measurements performed in the VNIIM

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz', Abs. 3820

REF SOURCE: Tr. in-tov Gos. kom-ta standartov, mer i izmerit. priborov SSSR, vyp. 76(136), 1965, 203-210

TOPIC TAGS: acoustic measurement, acoustoelectric transducer

ABSTRACT: The work of the VNIIM acoustic laboratory since 1931 is described. In the beginning, the laboratory developed a standard of the fundamental tone of the musical scale; later on, the laboratory was busy developing some methods for measuring sound pressure and calibrating electro-acoustic transducers in a wide frequency band. At present, the sound pressure in air can be measured within 20--300 kc and in water, within 5 cps--10Mc. The sound-pressure unit in air, within 20 cps--11.8 kc, is reproduced in the field of planar standing waves by means of an acoustometric disk. Apparatae are described which are used for calibrating the measuring microphones in a planar traveling wave field, within 40--400 cps, and in a quasi-spherical sound field, within 100 cps--100 kc, by the method of reciprocity. The method of acoustometric disk is recommended for reproducing the sound pressure unit in a free field within 1--30 kc. In the 20--300-kc band, the sound pressure

Card 1/2

UDC: 534.66

ACC NR: AR6023373

unit is reproduced by the method of acoustic radiometer. Also methods of reproduction of the sound-pressure unit in water are described. Industrial hydrophones are calibrated in an open water vessel by the method of comparison with the reference hydrophones and also by applying the reciprocity theorem. The sound pressure in water, within 100 kc--10 Mc, is measured by a set of acoustic radiometers which consist of the reflecting disks eccentrically fastened to thin quartz filaments. The disks turn under the influence of radiated pressure. An outfit for checking audiometers with air-conduction telephone receivers has been developed; another outfit for calibrating bone-conduction telephone receivers has been tested. The variegation of apparatus is due to the lack of universal measuring means which could reproduce the sound-pressure unit in one setup in a wide frequency band. Yu. V. [Translation of abstract]

SUB CODE: 20/09

Card 2/2

Distr: 4E4j

1. [unclear]

BLINOVA L.S.

KOCHERGIN, P.M.; BLINOVA, L.S.; TITKOVA, R.M.; SAVITSKIY, A.V.; ZASOSOV, V.A.
GRIGOROVSKIY, A.M. [deceased]

New method for producing p-nitroacetophenone from phenylmethylcarbinol.
Med.prom.SSSR 12 no.5:33-36 My '58. (MIRA 11:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S.Ordzhonikidze.
(ACETOPHENONE) (BENZYL ALCOHOL)

KOCHERGIN, P.M., BLINOVA, L.S., TITKOVA, R.M., GRIGOROVSKIY, A.M. [deceased]

New method for producing para-nitrobenzaldehyde. Med.prom. 12
no.6:22-24 Je '58 (MIRA 11:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S. Ordzhonikidze.
(BENZALDEHYDE)

BLINOVA, M. I.

"Lingering Recurrent Diarrhea in Children." Cand Med Sci, Sverdlovsk
State Medical Inst, Sverdlovsk, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

BLINOVA, M. I.

1672. Zatyazhnyye Retsidiviruyushchie Ponosy U Detey. Sverdlovsk, 1954., 17s.
19sm. (Sverd. Gos. Med. In-T) 100 EKZ. B. TS.-(54-54591)

SO: Knizhnaya Letopis', Vol. 1, 1955

BLINOVA, M. I.

Etiology of prolonged relapsing diarrhesis in small children.
Pediatria no.4:85 Ap '57. (MIRA 10:10)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo institute okhrany
materinstva i mladenchestva.
(DIARRHEA)

BLINOVA, M.I.

Detection of specific antibodies in the blood sera of reconvalescent and healthy subjects in the Tomsk focus of tick encephalitis. Vop. virus. 6 no.5:525-528 S-0 '60. (MIRA 14:7)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(TOMSK REGION--ENCEPHALITIS)

ANAN'YEV, V.A.; BLINOVA, M.I.

Photodynamic effect of methylene blue as a method for the inactivation
of viruses. Zhur. mikrobiol. epid. i immun. 31 no.7:22-26 JI '60.
(MIRA 13:9)

1. Iz Instituta virusologii im. Ivanovskogo AMN SSSR.
(ENCEPHALITIS) (METHYLENE BLUE)

BLINOVA, M.I.

Inactivation of the tick-borne encephalitis virus by the
photodynamic action of methylene blue. Vop. virus 7 no.1:
59-62 Ja-F '62. (MIRA 15:3)

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

(ENCEPHALITIS)
(TICKS AS CARRIERS OF DISEASE)
(METHYLENE BLUE)

KOVALEVA, Ye.P.; RYBALTOVSKIY, O.V.; IVANOVA, M.A.; BLINOVA, M.I.

Results of examining animals for toxoplasmosis using the
complement fixation reaction. Veterinaria 42 no.5:70-71
My '65. (MIRA 18:6)

BLINOVA, M. V.

USSR.

Spirohexane

Blinova, Ya. M. Blinova and M. V. Blinova
Zhur. Obshch. Khim. 29, 1094-7 (1963).—Passage of 50 g. cyclobutanecarboxylic acid and 82 g. 84% HCO₂H through a tube filled with MnO at 410-20° gave 15.5 g. cyclobutylaldehyde, b. 113-15°, d₄ 0.8335, n_D 1.4357; 2,4-dinitrophenylhydrazone, m. 163-4°. The Raman spectrum was given. The aldehyde polymerizes readily in the presence of CaCl₂, yielding a dimer, m. 118.6-20.5°. The aldehyde (15.5 g.) was added to a soln. of 54 g. 34% formalin in 123 ml. H₂O from 2 separate funnels simultaneously with 8.3 g. Ca(OH)₂ suspended in 47 ml. H₂O at 80° over 3 hrs. with good stirring; after 1 hr. at 60° the soln. was filtered, neutralized with H₂SO₄ and oxid. for 7-10 days with (CH₃)₂Cl₂, yielding 70% 1,1-dimethylcyclopentane, b.p. 134-6°. Only a trace of the dial (I) was obtained on reduction of di-2,1,1-cyclobutanedicarboxylate with LiAlH₄, since the ester failed to react in Et₂O; however, the reduction of the free acid (16 g.) with fresh LiAlH₄ gave an unstated yield of the I, which, however, in contrast to the above prepn. m. 138-9°. I treated with 20% by wt. of pyridine and then added to PBr₃ with ice-cooling gave after final heating to 80-90°, 40% 1,1-dibromodimethylcyclopentane, b.p. 102-4°, d₄ 1.5760, n_D 1.6240. This treated with Zn dust in 85% EtOH with continuous distn. of the product gave 78% hydrocarbon, C₇H₁₂, b. 72-4°, d₄ 0.7859, n_D 1.4321, whose Raman spectrum was given; I absorbs 1 mole H (slight excess); ozonolysis gave HCO₂H and cyclopentanone. Thus the hydrocarbon was methylcyclopentane, and no spirohexane was detected.
 G. M. Kosolapoff

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USSR/Chemistry

Card 1/1

Authors : Slobodin, Ya. M.; and Blinova, M. V.

Title : About spiro-(2, 4)-heptane

Periodical : Zhur. Obshchei Khim. 24, Ed. 4, 621 - 625, April 1954

Abstract : Through condensation of cyclopentylformaldehyde with formaldehyde in an alkali medium the authors obtained an 86% yield of 1, 1-dimethylol-cyclopentane. Separation of bromine from 1, 1-dibromodimethylcyclopentane with zinc powder led to formation of a hydrocarbon mixture containing about 40% of spiro-(2, 4)-heptane and about 60% of methylene-cyclohexane. The combined diffusion spectrum of the derived hydrocarbon showed a line with a frequency of 1650 cm^{-1} which indicates the presence of a hydrocarbon with double bond. Ten references; 7 USSR since 1915; 1 USA 1948; 2 Germans since 1909. Table, chem. formulas.

Institution :

Submitted : May 20, 1953

BLINOVA, M. V.

USSR/Chemistry - Synthesis

Card 1/1 Pub. 151 - 31/42

Authors : Slobodin, Ya. M.; Blinova, M. V.; and Devyatova, N. I.

Title : Synthesis of cyclopentanol

Periodical : Zhur. ob. khim. 24/9, 1639-1640, Sep 1954

Abstract : Various methods of reducing cyclopentanol were investigated. It was established that hydrogenation of cyclopentanol, over a Ni-catalyst applied on diatomaceous earth (kieselguhr) at 125°, results in formation of cyclopentane. The results obtained, during hydrogenation over a copper-chromium-barium catalyst at 160-170°, are described. Eight references: 3-German; 2-USSR; 2-French and 1-USA (1893-1944).

Institution : ...

Submitted : April 14, 1954

MOLDAVSKIY, B.L.; prinalni uchastiye : BLINOVA, M.V.; BABEL',
V.G.; BUSIOVICH, Ye.Ya.; RUDAKOVA, R.I.; MELENT'YEVA, T.G.;
USMANOVA, M.Sh.; RUBINSEYN, E.I.; ROZENBLIT, H.K.

Production of dicarboxylic acids from hydroxy acids.
Khim.prom 2:112-115 My '60. (MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neft-
yanoy khimii.

(Acids)

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SOV/80-33-2-35/52

AUTHORS:

Moldavskiy, B. L., Blinova, M. V., Babel', V. G.,
Buslovich, Ye. Ya, Usmanova, M. Sh.

TITLE:

Production of Dicarboxylic Acids by Oxidation of
"Oxy Acids" With Nitric Acid. Communication III

PERIODICAL:

Zhurnal prikladnoy khimii, 1960, Vol 33, Nr 2, pp
463-467 (USSR)

ABSTRACT:

The oxidation of paraffins with nitric acid can yield, depending on the reaction conditions, a series of oxygen-containing compounds such as alcohols, aliphatic acids, esters, as well as products of further oxidation of the aliphatic acids (hydroxy-, aldehyde-, and keto-acids and their derivatives), lactones, lactides, etc. Unlike paraffins, alcohols, aliphatic acids, and their esters which are soluble in petroleum ether, the products of further oxidation of aliphatic acids are insoluble in petroleum ether and

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Production of Dicarboxylic Acids by Oxidation
of "Oxy Acids" With Nitric Acid. Communica-
tion III

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can be easily separated. This insoluble fraction is called usually "oxy acids" (oksisisloty) in USSR, and it can be used for the synthesis of dicarboxylic acids. C. Paquot and F. Goursac reported (Bull. Soc. Chim., 1950, Vol 172) the auto-oxidation of saturated aliphatic acids with an even number of carbon atoms (C_6 to C_{18}) effected at 100-120° C, in the presence of nickel phthalocyanine. The above authors established that the oxidation of the chain took place chiefly in the β - position; the reaction yielded a monocarboxylic acid with a lower molecular weight (containing also an even number of C atoms), and oxalic acid. The chain became gradually shorter, until caproic acid was obtained and could not be oxidized anymore under the conditions of the reaction. The oxidation in δ and γ -positions was insignificant, and deeper oxidation of the β -atom only leads to the formation of malonic and

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tion III

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oxalic acids. The authors of the present study do not agree with the above. The starting material for their investigation was a mixture of paraffins obtained from the urea deparaffinization of diesel oils. This mixture was oxidized with air at 130° and gave a product consisting of 52% "oxy acids," 28% aliphatic acids, and 20% paraffins and neutral oxygen containing compounds. The above starting material was oxidized easily with 57% nitric acid at 75-80° C and yielded chiefly pimelic, adipic, glutaric, and succinic acids, in 66% yield, based on the reacted "oxy-acids." Lower aliphatic acids, distilled together with nitric acid, consisted of acetic acid (46%), propionic acid (26%), butyric acids (14%), and valeric acids (14%). There are 2 tables; and 5 references, 1 French, 1 German, 2 U.S., 1 Soviet. The 2 U.S. references are: C. Zellner, F. Lister, Ind. Eng. Chem., 48, 10, 1938 (1956); J. Buckmann, U.S. Pat. 2801219 (1957).

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