

L 1681-66 EWT(m)/EPF(c)/EWP(j)/EWP(t)/EWP(b) IJP(c) JD/JG/RM

ACCESSION NR: AP5020989

UR/0195/85/006/004/0751/0751

546.643-31-44

AUTHOR: Topchiyeva, K. V.; Stetsenko, V. Ya. 55

TITLE: New catalytic properties of yttrium oxide 21

SOURCE: Kinetika i kataliz, v. 6, no. 4, 1985, 751

TOPIC TAGS: catalysis, yttrium compound, hydrogenation, isomerization, ethylene, propylene, acetylene

ABSTRACT: The article presents the results of a series of experiments which point to the sufficiently high catalytic activity of yttrium oxide in hydrogenation and isomerization reactions. Hydrocarbons investigated included ethylene, propylene, divinyl, acetylene, and 2-methyl-pentene. Temperatures varied from 110-320C, the hydrogen/hydrocarbon ratio from 3:1 to 12:1, the space velocity from 144 to 576 hr<sup>-1</sup>, and the total degree of conversion from 70 to 100%. A necessary condition for the appearance of the catalytic activity of yttrium oxide is its activation with hydrogen. A sufficiently constant activity of the yttrium

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oxide is attained at a given time and activation rate with hydrogen, with a comparatively small amount of hydrocarbon in the reaction mixture. The work indicates that this catalyst is very subject to poisoning by traces of moisture and oxygen. Orig. art. has: 2 tables 2

ASSOCIATION: Moskovskii gosudarstvennyi universitet im. M. V. Lomonosova,  
Khimicheskii fakul'tet  
of Chemistry) (Moscow State University, Department

SUBMITTED: 03Feb65

ENCL: 00

SUB CODE: GC

NR REF SOV: 000

OTHER: 000

Card 2/2

STETSENKO, V.Ya. (Dust' nbe)

An iterative method for finding the spectral radius of linear  
positive operators. Mat. sbor. 67 no.2:210-220 Je '65.

(MIRA 18:8)

STETSENKO, V.Ya.; YESAYAN, A.R. (Dushanbe)

Theorems on positive solutions to equations of the second  
order with nonlinear operators. Mat. sbor. 68 no.4:473-486  
D '65. (MIRA 18:12)

1. Submitted January 8, 1964.

17-018-1, 11.

216 Opyt i boi "Krasnodarskaya Brigada". I. I. Ivannishcheva. Krasnodar, kn. ind., 1954  
103. 3 Chart.: 1 I. Grafi. 20 St. 1,000 Ekz. (101-11a Otl. Ivt. no. "Krasny-  
(14-54976) I.

600,333:002. 6 St.

50: Knizhnaya, letopis, Vol. 1, 1955

ST313410, Ya.

4473. Stetsenko, Ya., Borovitch, V. I. Tolomkin, V. Opt. raboty skorostnykh  
prokholcheskikh brizad. (Shakhta ((Kapital'naya 1)) Trest ((Molotovskol')) ).  
Kemerovo, Kk. Izd., 1954. 32s.s chert: 3L. Graf. 34SM. 5.010 ekz. 70K. -  
(55-413) P

622.333;622.2ST

SO: Knizhnaya Letopis', Vol. 1, 1955

1. 1. 1.

115. Obobshcheniye Deyat. Pionerov Po Dolyu V Kuznetskom Basseyne. M., 1954. 64s. 1 kshen. 22 SM. (Il-vo Uvol'nov. Prom-sti Ssr. Tekhn. Kar. Tsentr. In-t Tekhn. Informatsii, Kuznetsk. Karch-Isled. Uvol'nov. In-t AN SSSR.) 2.000 Buz. Bopsl.-Na Ob. avl. e Kazan-(54-14773) P.

02.733:021.76

30: Anizhnaya, Letopis, Vol. 1, 1955

STETSSENKO, Ya.

DMITRIYEV, S., inzhener; STETSSENKO, Ya., inzhener.

Time schedule for rapid execution of preparatory mine work. Mast.  
ugl. 3 no.7:11-13 JI '54. (MLRA 7:7)

1. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut.  
(Coal mines and mining)

STETSSENKO, Ya. inzhener

Increasing the productivity of the EBK-2m electric drill. Mast.  
ugl. 4 no.3:22 Mr '55. (MLRA 8:6)

(Kuznetsk Basin--Rock drills)

STETSENKO, Ya. inzhener

Any brigade can work this way. Mast. ugl. 4 no.5:14-16 My '55.  
(MLRA 8:7)

(Kuznetsk Basin--Coal mines and mining)

Stetsenko, Ya. P.

AUTHOR: Stetsenko, Ya.P.

127-58-5-22/30

TITLE: Unloading of Wet Ore From Mine Cars (Razgruzka mokroy rudy iz vagonetok)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 5, pp 72-73 (USSR)

ABSTRACT: The apatite mine imeni Kirov uses haulage with electric locomotives and mine cars which unload automatically through the side wall in motion, (when a tilting-roll moves along an unloading curve and the car tilts through an angle of 40 to 42° to the horizontal level). The car capacity - 2.65 cu m. In winter time, the ore froze to the body of the cars and a considerable part remained in the car after tilting. In 1954, the acting Chief Mechanic of the mine, A.I. Gun'ko, proposed applying a vibrator during the unloading of the cars. This vibrator weighs 270 kg and is installed on the upper horizontal section of the unloading curves; it causes vibrations with an amplitude of 2.5 mm. The experience of its 3 years of use has shown that this device ensures fast and complete unloading of the condensed wet ore and ore frozen to the walls. The unloading of mine cars is performed now by only one or two workers.

Card 1/2

Unloading of Wet Ore From Mine Cars

127-58-5-22/30

There are 2 figures.

ASSOCIATION: Rudnik imeni Kirova (Mine imeni Kirov).

AVAILABLE: Library of Congress

Card 2/2 1. Ores-Excavation

SAMETS, M., nauchnyy sotrudnik.; STETSENKO, Ya., nauchnyy sotrudnik.

New method of breaking down coal. Mast. ugl. 7 no.10:20 0 '58.  
(MIRA 11:11)

1. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut.  
(Coal mines and mining)

RUDNEV, B.A., inzh.; STETSENKO, Ya.V., inzh.

Stope yield, time needed for pillar drawing, emergencies and losses  
in the shield system of mining in Kuznetsk Basin. Ugol' 33 no.11:5-12  
N '58. (MIRA 11:11)

(Kuznetsk Basin--Coal mines and mining)

STETSENKO, Y. A.

1-28

8828, On the Causes of Irreversible Temper Brittleness in  
Steels, E. A. Stetsenko. Henry Bratcher Translation No. 3513,  
p. (From Metallovedenie i Obrabotka Metallov, v. 2, no. 7,  
1956, p. 33-38.) Henry Bratcher, Altadena, Calif.  
Previously abstracted from original. See item 14811, v. 11, Nov.  
1956.

mt  
28

STETSENKO, Ye.G., kandidat tekhnicheskikh nauk.

Prolonging the service of wheel rims for the TE1 and TE2 diesel locomotives. Tekh.zhel.der.15 no.4:25-26 Je '56. (MIRA 9:9)  
(Diesel locomotives) (Wheels)

STETSENKO, Ye.G., kand.tekhn.nauk

Optical method for checking diesel engine assembly. Elek.i tepl.  
tiaga 4 no.2:21-22 F '60. (MIRA 13:6)  
(Diesel engines--Maintenance and repair)

STETSENKO, Ye.G., kand.tekhn.nauk

New methods and ways for measuring the engine block of diesel  
locomotives. Trudy TSNII MPS no. 202:4-43 '60. (MIRA 13:12)  
(Diesel locomotives) (Optical measurements)

STETSENKO, Ye.G., kand.tekhn.nauk

Determining the wear of friction parts of diesel locomotives  
by the artificial crater method. Trudy TSNII MPS no. 202:116-  
133 '60. (MIRA 13:12)

(Diesel locomotives--Testing)  
(Mechanical wear)

KABENIN, Nikolay Grigor'yevich, kand. tekhn. nauk; STETSENKO, Yevgeniy Grigor'yevich, kand. tekhn. nauk; ALAD'IN, G.P., inzh., retsen-zent; TIBABSHEV, A.I., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Maintenance and inspection of locomotive trucks] Remont i pro-verki parovoznykh telezhek. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 133 p.  
(MIRA 14:8)

(Locomotives—Maintenance and repair)

MEYSNER, B.A., kand.tekhn.nauk; STETSENKO, Ye.G., kand.tekhn.nauk

State of stress of the crankshaft of a 2D100 diesel locomotive  
in connection with the gradation of the crankshaft journals.

Vest. TSNII MPS 21 no.1:22-25 '62. (MIRA 15:2)

(Diesel locomotives--Testing)

STETSENKO, Ye.G., kand.tekhn.nauk.

Methods for installing and operation of the crankshafts of the 2D100  
diesel engines. Trudy TSMII MPS no.230:4-18 '62. (MIRA 15:7)  
(Diesel locomotives) (Diesel engines)

GURSKIY, P.A.; MERRO, Yo.M.; KHUTOIYANSKIY, N.M.; ANISIMOV, N.M.;  
ARZHANNIKOV, S.M.; KORENEVSKIY, M.V., inzh., retsenzent;  
STEISENKO, Ye.G., kand. tekhn. nauk, retsenzent; SOBAKIN,  
V.V., inzh., red.; VASIL'YEVA, N.N., tekhn. red.

[Experience in the organization of railroad laboratory for  
the inspection and maintenance of measuring equipment] Opyt  
organizatsii dorozhnoi kontrol'no-izmeritel'noi laboratorii.  
Moskva, Transzheldorizdat, 1962. 167 p. (MIRA 16:1)  
(Railroads--Equipment and supplies)  
(Moscow--Testing laboratories)

STETSENIKO, Ye.G., kand. tekhn. nauk; TIKHONOV, Yu.G., inzh.

Efficiency of the crankshafts of 2D100 and 10D100 diesel engines.  
Vest. TSNII MPS 23 no.6:28-30 '64. (MIRA 17:10)

L 40675-65 EWT(m)/EWP(w)/EWA(d)/EPR/T/EWP(t)/EWP(k)/EWP(b)/EWA(c) Pf-4/

Ps-4 JD/HW

ACCESSION NR: AP5012039

UR/0231/64/000/006/0028/0030

AUTHOR: Stetsenko, Ye. G. (Candidate of technical sciences); Tikhonov, Yu. G. (Engineer)

TITLE: Efficiency of crankshafts in 2D100 and 10D100 diesels

SOURCE: Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta. Vestnik, no. 6, 1964, 28-30

TOPIC TAGS: diesel engine, shaft

Abstract: Problems related to increasing the fatigue strength of diesel crankshafts are discussed. In order to keep the motor capacity of the 10D100 diesel the same as in the 2D100, the fatigue strength of the crankshaft should be increased by raising the endurance limit of the material to 25-30 kg/mm<sup>2</sup>, and also by knurling recessed chamfers. Besides this, it is necessary to increase the wear resistance of the shaft-journal pair in order to reduce the marked formation of steps. A solid crankshaft design makes it possible to obtain reliable values for the stresses in different cross sections of the shaft and safety factor values. The method which is worked out makes it possible to determine the geometry and values of wear for crankpins and the inserts of the main bearings. Orig. art. has 5 figures and Card 1/2 2 tables.

L 40675-65

ACCESSION NR: AP5012039

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: PR, IE

NO REF SOV: 002

OTHER: 000

JPRS

Card

2/2

STATSENKO, Ya.G., kand.tekhn.nauk; TIKHONOV, Yu.G., inzh.

Using the method of static indeterminacy in the design of crankshafts  
and determination of the wear geometry of crankshaft journals. Trudy  
TENII MPS no.288:126-139 '65. (MIRA 18:10)

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, Ya.Ya.; LITVINOVA, O.Yu.; USTINOVA, A.G.

Improvement of the saturation process in the production  
of ammonium sulfate. Koks i khim. no.7:43-46 '60.  
(MIRA 13:7)

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

STETSENKO, Ye.Ya.

Clogging of the saturators with ammonium sulfate and some  
ways for its prevention. Koks i khim. no.7:41-43 '63.  
(MIRA 16:8)

1. Koksokhimstantsiya.  
(Coke industry—Equipment and supplies)  
(Ammonium sulfate)

SICHENKO, V.K.; IVANOV, B.V.; POLYAKOV, I.I.; REZNIKOV, A.A.;  
DORFMAN, G.A.; IZPAELIT, E.M.; NOTYCH, A.G.; TOPYGIN,  
L.A.; CHALYY, G.Ya.; STETSENKO, Ye.Ya.; UDOVICHENKO, L.V.;  
FILIPPOV, B.S., nauchn. red.; LERNER, R.Z., nauchn. red.;  
GOL'DIN, Ya.A., glav. red.; KULESHOV, M.M., red.; POLOTSK,  
S.M., red.

[By-product coke industry] Koksokhimicheskoe proizvodstvo.  
Moskva, Metallurgiya, 1965. 167 p. (MIRA 18:7)

1. Tsentral'nyy nauchno-issledovatel'skiy institut in-  
formatsii i tekhniko-ekonomicheskikh issledovaniy chernoy  
metallurgii. 2. Direktor Tsentral'nogo nauchno-issledova-  
tel'skogo instituta informatsii i tekhniko-ekonomicheskikh  
issledovaniy chernoy metallurgii (for Kuleshov).

STETSENKO, Ye.Ya.

Reprocessing of excess flushing liquor. Koks i khim. no.11:47-  
50 '62. (MIRA 15:12)

1. Koksokhimstantsiya.  
(Coke industry--By-products)

LAZORIN, Serafim Nikolayevich; STETSENKO, Yevgeniy Yakovlevich

[Production of ammonium sulfate in coke chemical plants]  
Proizvodstvo sul'fata ammoniia na koksokhimicheskikh zavodakh. Moskva, Metallurgiya, 1965. 157 p.  
(MIRA 18:4)

MIRGORODSKIY, B.Yu. (g. Sumy); STETSENKO, Yu.T. (g. Sumy)

Demonstrating the interference of sound. Fiz.v shkole 22 no.6:  
50-51 N-D '62. (MIRA 16:2)

(Interference (Sound)—Experiments)

BRITISH, N. A. C. (1970) 100, 101.

(2) (Continuing publication) (Continued) (Continued) (Continued)  
(Continued) (Continued) (Continued) (Continued) (Continued)  
(Continued) (Continued) (Continued) (Continued) (Continued)

FOROMOVSKIY, S.N.; LEYZEMAN, I.I.; STETSENKOV, P.A.

First scientific and practical conference on toxoplasmosis  
at the Institute of Medical Parasitology of the Ministry  
of Health of the R.S.F.S.R. Med. paraz. i paraz. bol. 32  
no.6:755-756 N-D '63 (MIRA 18:1)

6 L 2 V

Category : USSR/Electricity - Dielectrics

G-2

Abs Jour : Ref Zhur - Fizika, No 2, 1957, No 4119

Author : Glauberman, A.Ye., Stetsev, Ya.I.

Title : Concerning the Theory of the State of A Dielectric Prior to Break-down.

Orig Pub : Fiz. zbernik L'vivsk'k. un-t, Fiz. sb. L'vovsk. un-t, 1955, vyp. 1, (6), 42-53

Abstract : An opinion is expressed, based on more detailed calculations of the probability of the breakaway of an electron from an atom by a strong electric field, that the tunnel-effect mechanism should be considerable in the breakdown of insulating crystals. The probability of the ionization of the atom in an electric field is estimated from calculations employing the usual equation in a one-dimensional field  $U(x) = - (Z - s)^2 / |x| - eFx$ , where  $Z$  is the atomic number and  $s$  the shielding constant. In the calculations, the barrier is approximated by a barrier having a straight-line section. The equations obtained give the increase in the ionization probability due to the tunnel

Card : 1/2

BANGAYTIS, V.K., inzh.; STETSEVICH, R.M., inzh.

Experience in the construction of the RM-24/A radio relay line in the  
Latvian S.S.R. Vest. svyazi 22 no.7:15-16 JI '62. (MIRA 15:7)  
(Latvia--Radio relay systems)

L 00717-65 EWT(d)/FSF(h)/FSS-2/EWT(1)/FS(v)-3/EEC(k)-2/SWG(v)/EEC-4/EEC(t)/  
EEC(c)-2 Pr-4/Po-4/Pp-4/Pe-5/Pq-4/Pac-4/Pae-2/P1-4/Pb-4 AFWL/SSD/SSD(c)/  
AEDC(a)/AFMDC/AFMD(t)/AFETR/AFTC(a)/AFTC(b)/RAEM(c)/ESD(c)/ESD(dp)/ESD(gs)/ESD(t)/  
ASD(a)-5 AST/TT/GW  
ACCESSION NR: AP5001368 S/0106/64/000/012/0001/0008

AUTHOR: Stetsevich, R. M.

TITLE: Determination of the duration of communication in systems using  
artificial Earth satellites

SOURCE: Elektrosvyaz', no. 12, 1964, 1-8

TOPIC TAGS: Earth satellite, communication satellite

ABSTRACT: An analysis of the motion of a communication satellite, with an allowance for Earth rotation, results in this formula for the mean diurnal duration of communication:  $t = 1.440 \text{ kS}'/\text{S}$  min/day, where k is the coefficient of overlapping of S and S' which are the zone of geocentric projection of the satellite and the overlapping zone, respectively. The above formula is valid for a fairly high rpm of the satellite and any (except exactly equatorial) of its orbits. It is recommended that the coefficient k be determined from globe

Card 1/2

L 20717-65

ACCESSION NR: AP5001368

measurements. Well-known results of Telstar-1 are cited. "The author wishes to thank Professors P. V. Shmakov and M. P. Dolukhanov for their valuable suggestions." Orig. art. has: 6 figures, 31 formulas, and 1 table. 3

ASSOCIATION: none

SUBMITTED: 23 May 64

ENCL: 00

SUB CODE: EC, SV

NO REF SOV: 004

OTHER: 003

Card 2/2

L 24308-66 ENT(1)/FSS-2/ENT(1)/EEC(k)-2 AST/TT/GN/WS-2

ACC NR: AR6005256

SOURCE CODE: UR/0058/65/000/009/H029/H029

AUTHOR: Stetsevich, R. M.

TITLE: Concerning allowance for economic factors in the choice of characteristics of a television communication system using artificial earth satellites

SOURCE: Ref. zh. Fizika, Abs. 9Zh205

REF. SOURCE: Tr. uchebn. in-tov svyazi. M-vo svyazi SSSR, vyp. 22, 1964, 79-89

TOPIC TAGS: television guidance, artificial earth satellite, satellite communication system

ABSTRACT: The article considers the influence of economic factors on the choice of certain characteristics and parameters of a communication system used to transmit image signals from an artificial earth satellite to the Earth. [Translation of abstract]

SUB CODE: 17

Card 1/1

MITTIN, A.A.; PONYATSKIY, B.N.; BONIN, A.Ya.

Photoelectrotonometer. Nov. med. tekhn. no.1:44-53 '62.  
(MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskikh  
instrumentov i oborudovaniya i Gosudarstvennyy nauchno-issledo-  
vatel'skiy institut glaznykh bolezney imeni Gel'mgol'tsa.

BUNIN, A.Ya. kand.med.nauk; KOZLOVA, L.P.; VITOKURSKIY, S.A., kand. technicheskikh nauk; STETSIN, A.A.

New indicator of intraocular pressure and the results of its use in preventive examinations. Vest. oft. 76 no.1:75-76 (MIRA 16:6)  
Ja-F'63.

1. Gosudarstvennyy nauchno-issledovatel'skiy institut glaznykh bolezney imeni Gel'mgol'tsa i Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo instrumentariya i oborudovaniya.

(EYE, INSTRUMENTS AND APPARATUS FOR)  
(INTRAOCULAR PRESSURE)

VINOKURSKIY, S.A.; STETSIN, A.A.; BUNIN, A.Ya.

Indicator for intraocular pressure. Med. prom. 17 no.6:59-60  
Je'63 (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskikh  
instrumentov i oborudovaniya i Nauchno-issledovatel'skiy insti-  
tut glaznykh bolezney imeni Gel'mgol'tsa.

BUNIN, A.Ya.; KOZLOVA, L.P.; VINOKURSKIY, S.A.; STETSIN, A.A.

New indicator of intraocular pressure and the results of its use. Uch.zap. GNII glaz.bol. no.8:189-193'63. (MIRA 16:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut glaznykh bolezney imeni Gel'mgol'tsa (for Bunin, Kozlova). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo instrumentariya i oborudovaniya. (for Vinokurskiy, Stetsin).  
(EYE, INSTRUMENTS AND APPARATUS FOR)  
(INTRAOCULAR PRESSURE)



STETSISHIN, R.N.

Proving equipment for the Chishma area at the Pomashkino oil field. Stroi. truboprov. 9 no.12:28-29 D '64. (MIRA 18:3)

1. Stroitel'no-montazhnoye upravleniye No.52 tresta Tatspetsstroy, Al'metyevsk.

STETSIUK, A.M., KOROLEVA, M.G., KUTOMOVA, YE. N., SENOV, P.L.

First National Pharmaceutical Conference in the Rumanian Peoples  
Republic. Apt. delo 7 no. 6:71-76 N-D '58 (MIRA 11:12)  
(RUMANIA--PHARMACY)

L 36962-66 EWT(m)/T/EWP(t)/ETI IJF(c) RDN/JD  
 ACC NR: AP6016935 SOURCE CODE: UR/0077/66/011/001/0027/0030 67  
 AUTHOR: Nabitovich, I. D.; Stetsiv, Ya. I.; Voloshchuk, Ya. V.  
 ORG: L'vov Polytechnical Institute (L'vovskiy politekhnicheskii institut)  
 TITLE: Crystallization of selenium xerographic layers  
 SOURCE: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, v. 11, no. 1, 1966, 27-30 and appropriate inserts following page 30  
 TOPIC TAGS: electrophotography, selenium, crystallization, dielectric layer, semi-conducting film  
 ABSTRACT: The authors study the crystallization of selenium layers at moderate temperatures (20-100°) with particular regard to the kinetics of crystallization from the substrate side. The specimens were prepared by vaporization of selenium (99, 992) in a vacuum of  $10^{-4}$  mm Hg on aluminum, glass, mica and NaCl substrates held at a constant temperature during vaporization. The rate of deposition was 1  $\mu$ /min in all cases. The selenium layers were 8-10  $\mu$  in thickness. A "Polmi A" polarization microscope was used for studying the crystallization processes in conjunction with a UEMV-100 electron microscope. Polystyrene lacquer was used to separate the selenium layers from the opaque substrate. It was found that crystallization always begins on the substrate side in the given temperature range and is practically independent of the nature of the

UDC: 772.93

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ACC NR: AP6016935

underlying layer. The crystals have a dendritic "lobed" form with an extremely rapid rate of growth parallel to the substrate and a slow rate of growth in the perpendicular direction. The overall rate of crystallization in the layer is strongly dependent on temperature. No crystallization centers are observed in spray coatings applied for 10 minutes to substrates at a temperature below 70°. Dendritic crystals appear at 55° after 1 hour and at 40° after 15 hours. Layers applied for 10 minutes at temperatures of 70-75° show partial crystallization, while layers produced in the same time at 90° are completely crystallized. Light also has a very strong effect on the rate of crystallization of the selenium layers from the substrate side. An ordinary thermostatically controlled electric light (82 w) accelerates the rate of crystallization by a factor of 10-50 depending on the aging temperature. It is suggested that high-temperature deposition of selenium layers or heat treatment of layers deposited at lower temperatures may be used to form a double semiconductor-dielectric layer with improved xerographic properties. These layers should be stable at room temperature since the rate of crystallization is extremely slow in the perpendicular direction. Orig. art. has: 4 figures.

SUB CODE: 11,20/ SUBM DATE: 06Oct64/ ORIG REF: 008/ OTH REF: 005

Card 2/2 *llb*



On the thermo e.m.f. of liquid couples S/120/62/014/005/013/015  
E073/E555

and the contact with the liquid thermocouple was by means of Arado iron, which is stable in the metals and alloys being investigated. The thermo e.m.f. was measured by a compensation method in a twin furnace, the top part of which served for maintaining constant the temperature of the "cold" joint. For Pb-Sn and Sn-Cd couples, the thermo e.m.f. increased up to the temperatures of 520 and 490°C, respectively. A further temperature increase brought about a drop in the thermo e.m.f. In the Pb-Sn couple the lead was positive up to about 585°C, then the sign of the thermo e.m.f. changed; in the Sn-Cd couple the change in sign occurred at about 650°C. In Pb-Sn couples there is a change of sign twice, since in the solid state tin has a positive polarity. In Sb-Bi thermocouples the thermo e.m.f. increases continuously but there is a bend in the temperature range 700 to 728°C. A similar pattern was observed for Pb-Bi couples. The thermo e.m.f. of tin-eutectic Pb-Bi couples decreases with temperature and there is a change of sign at 590°C, i.e. the Pb-Bi eutectic alloy becomes positive. The temperature of the "cold" joint was 360°C for the Pb-Sn couple, 380°C for the Sn-Cd couple, 665°C for the Sb-Bi, 400°C for the

Card 2/3

On the thermo e.m.f. of liquid couples S/126/62/014/005/013/015  
E073/E535

Pb-Bi and 235°C for the Sn-eutectic Pb-Bi. There are 5 figures.

ASSOCIATION: L'vovskiy ordena Lenina gosudarstvennyy universitet  
imeni Iv. Franko  
(L'vov Lenin Order State University imeni Iv. Franko)

SUBMITTED: March 20, 1962

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Card 3/3

DUTCHAK, Ya.I.; STETS'KO, G.I.; PANAYEV, P.V.

Thermoe.m.f. in liquid alloys of the system lead - tin.  
Fiz. met. i metalloved. 17 no.4 1969-612 3p 10s.  
(MIRA 17:8)

L. I. Novosky gosudarstvennyy universitet Leon Franko.

DUTCHAK, Ya.I.; STETS'KIV, O.P.; LYSYY, S.I.

Thermoelectromotive force in liquid alloys of the system  
antimony - bismuth. Fiz. met. i metalloved. 17 no.6:940-941  
Je '64. (MIRA 17:8)

1. L'vovskiy gosudarstvennyy universitet imeni Ivana Franko.

L 10751-65 EWT(1)/EPA(s)-2/EWG(k)/EWT(m)/EPF(n)-2/EPR/EEC(b)-2/EPA(bb)-2/EWP(b)  
 Ps-4/Pt-10/Pu-4/Pz-63 IJP(c) AT/WW/JD/JG S/0057/64/034/010/1901/1902  
 ACCESSION NR: AP4049455

AUTHOR: Dutchak, Ya.I.; Stets'kiv, O.P.

TITLE: Thermoelectric properties of liquid bismuth-tin alloys

SOURCE: Zhurnal tekhnicheskoy fiziki, v.34, no.10, 1904, 1901-1902

TOPIC TAGS: thermal emf, liquid state, bismuth alloy, tin alloy

ABSTRACT: The thermal emf's of 11 Bi-Sn alloys, extending over the full composition range, were measured in the molten state at temperatures from 300 to 700°C by a compensation method. The cold end of the sample was kept 50°C above the solidus temperature. The differential thermal emf's of the melts varied very little with temperature. The integral thermal emf as a function of composition showed a minimum at 17% Bi (by weight), a maximum at 40%, a broad minimum in the region from 70 to 85%, and rose steeply (but not very far) as the composition changed from 99% to 100% Bi. Thus, in both the composition regions in which solid solutions can be formed, the thermal emf of the melt decreased with increasing concentration of the solute. It is suggested that the increase in the thermal emf in going from 17% to 30% Bi may be due to the influence of the  $\beta$ -phase as an admixture. The possibility that  $\text{Sn}_3\text{Bi}$

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L 10751-65

ACCESSION NR: AP4046<sup>3</sup>455

might be involved is discounted. No peculiarities of the thermal emf as a function of composition were observed in the neighborhood of the eutectic point. The additivity rule, however, was found to apply at the eutectic composition for a temperature increment of 100°C, but to fail for greater temperature increments. It is concluded that a quasi-eutectic distribution of atoms is retained in the liquid state near the melting point. This conclusion is in agreement with findings of O.S. Lashko (DAN URSR 1,30,1957). Orig.art.has: 2 figures and 1 table. <sup>2</sup>

ASSOCIATION: L'vovskiy ordena Lenina Gosudarstvennyy universitet im.Ivana Franko (L'vov State University)

SUBMITTED: 20Jan64

ENCL: 00

SUB CODE: EM,MM

NR REF SOV: 005

OTHER: 000

2/2

L 18846-66 EWT(1)/EWT(m)/EWP(w)/EPF(n)-2/T/EWP(t)/ETC(m)-6 IJP(c) JD/  
ACC NR: AP6006853 WW/JG/GG SOURCE CODE: UR/0181/66/008/002/0575/0577

AUTHOR: Dutchak, Ya. I.; Stets'kiv, O. P.; Klyus, I. P.

101  
B

ORG: L'vov State University im. Iv. Franko (L'vovskiy gosudarstvennyy universitet)

TITLE: Hall effect and thermoelectric properties of various metals and alloys in the liquid state

21,44,55 16

SOURCE: Fizika tverdogo tela, v. 8, no. 2, 1966, 575-577

TOPIC TAGS: mercury, gallium, tin, Hall effect, thermoelectromotive force, liquid metal, electron gas

21,44,55 21,44,55  
ABSTRACT: The dc Hall effect and absolute thermoelectromotive force were measured in mercury, gallium, tin and gallium-tin alloys (8, 30 and 70 wt % Sn). The measurements were made in a helium atmosphere in special glass cells containing voltage and current probes. Curves are given showing the Hall constant and differential thermoelectromotive force as functions of temperature for tin, gallium and mercury. The absolute thermoelectromotive force and Hall constant are shown as functions of composition for alloys in the gallium-tin system at a temperature 50° above the melt-

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L 18846-66  
ACC NR: AP6006853

ing point. The measurements show that the sign of the absolute thermoelectromotive force for all metals and alloys studied coincides with that determined from measurements of the Hall effect, i. e. the current carriers are electrons. It was found that the absolute thermoelectromotive force and Hall constant in molten tin and gallium are nearly constant in a wide temperature range. Mercury shows some anomalies in both parameters as functions of temperature. The experimental data on the Hall effect for gallium-tin alloys agree satisfactorily with theoretical predictions on the basis of the electron gas model. Slight deviations from the theoretical values are due to the effect of concentration on the physical parameters. Orig. art. has: 2 figures.

SUB CODE: 11,20/

SUBM DATE: 01Jun65/

ORIG REF: 002/

OTH REF: 002

Card 2/2 vmb

L 02518-67 EWT(d)/EWT(1)/EWT(m)/EWP(w)/EWP(v)/I/EWP(\*)/ETI/EWP(r)/EWP(h)/EWP(l)  
 ACC NR: AP6023005 SOURCE CODE: UR/0185/66/011/004/0455/0457

IJP(c) JD/WW/JG/AT/JH

AUTHOR: Dutchak, Ya. Y.; Panasyuk, P. V.; Stets'kiv, O. P.

ORG: Lvov State University im. I. Franko (L'vivs'kyi derzhuniversitytet)

TITLE: <sup>2/</sup>Heat and <sup>2/</sup>thermoelectric properties <sup>16</sup>of liquid alloys in the <sup>21 21</sup>tin-lead system <sup>78</sup>  
<sup>76</sup>  
<sup>8</sup>

SOURCE: Ukrayins'kyi fizichnyi zhurnal, v. 11, no. 4, 1966, 455-457

TOPIC TAGS: alloy system, heat conductivity, pyrometer, thermoelectromotive force, lead containing alloy, tin containing alloy

ABSTRACT: The authors study thermal and thermoelectric properties of alloys in the Pb-Sn system with the following concentrations of Sn (wt.%): 0, 5, 10, 20, 40, 61.9, 80, 96, 98 and 100. Heat conductivity measurements were taken by the heat wave method. The <sup>16</sup>FPK-59 <sup>16</sup>pyrometer was used and the specimens to be tested were placed in cylindrical thin-walled crucibles made from stainless steel. Each crucible was placed in a furnace with two heating units surrounding the specimen coaxially. The chromel-alumel thermocouples were fastened to the interior of the specimen, one at the center, and the other at a given distance from the center. Periodic disconnection of the innermost heating element produced radial heat waves. Fluctuation amplitude did not exceed 1°C. Expressions are given for calculating the heat conductivity coefficients. The results show that these coefficients decrease as temperature is increased. The thermoelectric

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L 21849-66 EPF(n)-2/EWT(1)/EWT(m)/ETC(f)/EWG(m)/T/EWP(t) LCP(c) AT/WW/JD/JG

ACC NR: AP6010751

SOURCE CODE: UR/0076/66/040/003/0718/0719

AUTHOR: Dutchak, Ya. I.; Stets'kiv, O. P.

ORG: L'vov State University im. Ivan Franko (L'vovskiy gosudarstvennyy universitet)

TITLE: Thermoelectric power of liquid alloys of the indium-bismuth system

SOURCE: Zhurnal fizicheskoy khimii, v. 40, no. 3, 1966, 718-719

TOPIC TAGS: indium bismuth system, indium alloy, bismuth containing alloy, alloy thermoelectric power

ABSTRACT: The thermoelectric properties of liquid indium-bismuth alloys has been investigated at 240, 300, and 400 C. Alloy specimens were obtained from 000-grade indium and 99.99%-pure bismuth. The thermoelectric power was determined in argon atmosphere in relation to an alumel electrode with a temperature gradient of about 50C. On the basis of the obtained data the curves of composition dependence of the differential thermoelectric power for indium-bismuth alloys were plotted (see Fig. 1). The maxima

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UDC: 541.13

L 21849-66

ACC NR: AP6010751

0

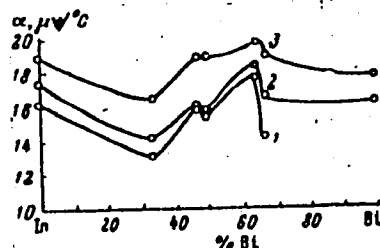


Fig. 1. Composition dependence of the differential thermal emf of In-Bi alloys

of the curves correspond to  $\text{In}_2\text{Bi}$  and  $\text{InBi}$  compounds and the minima, to eutectic composition. All investigated alloys have a negative thermoelectric power whose absolute magnitude does not exceed  $-4.5 \mu\text{V}/^\circ\text{C}$ . Investigations of the conductivity mechanism indicated that indium-bismuth alloys in either the solid or liquid state have metallic-type conductivity. Orig. art. has: 1 figure and 1 table. [AZ]

SUB CODE: 11

SUBM DATE: 10May65/ ORIG REF: 009/ OTH REF: 002/ ATD PRESS:

4227

Card 2/2 net

L. 00017-07 EWT(m)/LWP(w)/EWP(t)/ETI IJP(c) JD/WW/JG

ACC NR: AP6027796

SOURCE CODE: UR/0126/66/022/001/0123/0124

AUTHOR: Dutchak, Ya. I.; Stets'kiv, O. P.

ORG: L'vov State University im. Iv. Franko (L'vovskiy gosuniversitet)

TITLE: Thermoelectric properties<sup>v</sup> of certain metals and alloys in molten state

SOURCE: Fizika metallov i metallovedeniye, v. 22, no. 1, 1966, 123-124

TOPIC TAGS: potentiometer, thermoelectric property, molten metal, thermoelectromotive force / R-306 potentiometer

ABSTRACT: This work is a continuation of previous investigations (Dutchak, Ya. I., et al. FMM, 1962, 14, 789; FMM, 1964, 17, 940; ZhTF, 1964, 34, 1901), with the difference that it deals with the dependence of thermo-e.m.f. on composition for alloys of the Ga-Pb and Pb-Bi systems as well as for the metals Pb, Sn, Zn, Cd, Bi, Sb, Ga, on using an alumel wire as the reference electrode. The thermo-e.m.f. was recorded with the aid of a R-306 potentiometer. For the pure metals absolute thermo-e.m.f. was determined from the formula  $\alpha_m = \alpha_{m-al} + \alpha_{al}$  where  $\alpha_{m-al}$  is the differential thermo-e.m.f. of the molten metal-alumel couple and  $\alpha_{al}$  is the absolute thermo-e.m.f. of alumel. Findings: for the Pb-Bi

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UDC: 539.292:537 + 536

L 09017-67  
ACC NR: AP6027796

0

system the curves of integral thermo-e.m.f. display a minimum corresponding to an alloy with eutectic concentration, i.e. the eutectic point is fixed. This finding is in agreement with the findings of x-ray analysis (Sharrach, P. S., et al. J. Chem. Phys., 32, 241, 1960) which show that regions with pure-component structure exist in the molten eutectic Pb-Bi alloy. It is established that for most of these metals absolute thermo-e.m.f. is independent of temperature (in the 200-800°C range). These findings were used to construct the thermoelectric series of the molten metals at the temperature  $T_{m.p.} + 100^{\circ}\text{C}$ : Sb, Zn, Cd, Sn, Ga, Bi, Pb, with the corresponding series for these metals in solid state being: Sb, Cd, Zn, Pb, Sn, Bi. It is worth noting that the difference in the variation in thermo-e.m.f. between the extreme members of the series for the solid metals is  $\sim 120 \mu\text{v/deg}$  whereas for the molten metals it is  $\sim 10 \mu\text{v/deg}$ . This fact appears to indicate that, when in molten state, the metals differ from each other much less than when in solid state. Orig. art. has:

SUB CODE: 11,20 / SUBM DATE: 30Oct65/ ORIG REF: 005/ OTH REF: 001

Card 2/2 nat

ACC NR: AP7005853

concluded tentatively that a definite connection exists between the electric properties and the structure of the indicated alloys in the liquid state. Orig. art. has: 3 figures, 3 formulas, and 1 table.

SUB CODE: 20, 11/ SUBM DATE: 20Jun66/ ORIG REF: 004/ OTH REF: 006

Card 2/2

FEDOROV, V.I.; ZAKHARENKO, N.M.[Zakharenko, M.M.]; STETSKIY, A.S.  
[Stets'kiy, O.S.]

Experimental study of the throttling of a liquid (water) by  
regulating devices of turbines. Zbir. prats' Inst. tepl. AN  
URSR no.22:21-25 '61. (MIRA 16:6)

(Hydrodynamics)

LUKASHOV, K.I. [Lukashou, K.I.]; GORELIK, Z.A.; STETSKO, U.U.

Minerals of the White Russian S.S.R. and prospects for the  
discovery of new types of mineral raw materials. Vestsi AN  
BSSR.Ser.fiz.-tekhn.nav. no.2:63-75 '59. (MIRA 12:11)  
(White Russia--Mines and mineral resources)

LUKASHEV, K.I. [Lukashou, K.I.]; MARKOVA, A.P. [Markava, A.P.]; DRUMASHKO,  
S.G. [Dramashka, S.H.]; STETSKO, U.U.; DOBROVOL'SKAYA, I.A.  
[Dabravol'skaia, I.A.]

Characteristics of the chemical and mineralogical composition of loess  
soils of White Russia. Vestsi AN BSSR. Ser.fiz.-tekhn. no.2:63-75  
'60. (MIRA 13:10)

(White Russia--Loess)

MEDOVSHCHIKOVA, Ye.I. [Medovshchikova, IE.I.]; STETS~~SM~~, Ya.T. [Stetsko, IE.T.]

Rare case of precipitate labor by uniovular monoamniotic twins with anastomosis of the umbilical veins. Ped., akush. i gin. 23 no.4:63-64 '61. (MIRA 17:1)

1. Kafedra akusherstva i ginekologii Ternopol'skogo instituta (zav. - prof. S.V.Kisin [Kysin, S.V.]).

STETSOVICH, K.G. [Stetsovyh, K.H.]

Study of the reaction of sulfur dioxide oxidation on platinum catalyst under the conditions of "hardening" and charging a catalyst with electricity. Nauk. zap. UzhGU 49:78-86 '62.  
(MIRA 18:2)

5-1-15-10-1, V-I  
1/ A method for studying the effects of tannin solutions on erythrocytes. V. I. Stetsula (Research Inst. Restorative Surg., Traumatol., and Orthopedics, Sverdlovsk). *Ark. Anat., Gistol. i Embriol.* 33, No. 1, 87-90(1958).—A polemic discussion was presented regarding the action of tannin solns. as fixatives for the prepn. of stained blood smears by variations, presented in a monograph by Lepeshinskaya (*The Membranes of Animal Cells and Their Biological Significance*, 1947). In the first variation the blood smear was fixed with MeOH, dyed with a mixt. of eosin and methylene blue solns. and borax (I), and subsequently treated with a tannin soln. The blood smear was fixed with a tannin soln. in the second variation and dyed with I. Subsequent treatment with a tannin soln. was omitted.

Djordje M. Chern

STETSULA, V. I., Cand Med Sci -- (diss) "On<sup>for</sup> histogenesis of  
the epithelium in ~~total~~ dental periradicular cysts and granu-  
lomas." Sverdlovsk, 1957. 8 pp (Sverdlovsk State Med Inst),  
200 copies (KL, 2-58, 117)

-80-

RUFENBURG, M.D., STETSULA, V.I.

Observations on a large bidermal tumor of the brain. Vopr.neirokhir.  
22 no.4:55 Jl-Ag '58 (MIRA 11:9)

1. Svedrlovskiy nauchno-issledovatel'skiy institut vosstanovitel'noy  
khirurgii, travmatologii i ortopedii Ministerstva zdravookhraneniya  
RSFSR.

(BRAIN NEOPLASMS, case reports,  
large bidermal tumor (Rus))

STETSULA, V.I.

Development of dental epithelium in man. Stomatologiya 37 no.  
2:3-8 Mr-Apr '58. (MIRA 11:5)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo instituta vosstanovitel'noy khirurgii, travmatologii i ortopedii (dir. F.R. Bogdanov)

(TEETH) (EPITHELIUM)

STETSUIA, V. I.

Experimental induction of peridental cysts. Stomatologiya 38  
no.2:32-34 Ap '59. (MIRA 12:7)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo instituta vosstanovitel'-  
noy khirurgii, travmatologii i ortopedii (dir. - prof. F. R. Bogdanov).  
(~~TEETH--DISEASES~~) (CYSTS)

— STETSULA, V.I., kand.med.nauk (Sverdlovsk, ul. Dekabristov, d.69-a,  
kv.13); ILIZAROV, G.A.; RZHAVINA, V.P.

Regeneration of the bone under conditions of complete and partial  
immobilization. Vest.khir. no.4:6-15 '61. (MIRA 14:4)

1. Iz patologofistologicheskoy laboratorii (rukovod. - kand.  
med.nauk V.I. Stetsula) Sverdlovskogo nauchno-issledovatel'skogo  
instituta travmatologii i ortopedii.  
(BONES---DEGENERATION AND REGENERATION)

STETSULA, V. I. (Sverdlovsk)

Experimental data for evaluating the proliferative capacity of  
the crevicular epithelium. Arkh. pat. no.2:49-55 '62.  
(MIRA 15:2)

1. Iz patologogistologicheskoy laboratorii (rukovoditel' - kandidat  
meditsinskikh nauk V. I. Stetsula) Sverdlovskogo nauchno-issledo-  
vatel'skogo instituta travmatologii i ortopedii (dir. - kandidat  
meditsinskikh nauk Z. P. Lubagina).

(GUMS---DISEASES) (EPITHELIUM)

STETSULA, V. I.; MEL'NICHUK, A. V.; TRUTNEVA, A. V.

New method of producing experimental osteomyelitis. Eksper.  
khir. no.3:55-58 '62. (MIRA 15:7)

1. Iz patogistologicheskoy laboratorii (zav. - kandidat meditsinskikh nauk V. I. Stetsula) Sverdlovskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii (dir. - kandidat meditsinskikh nauk Z. P. Lubagina)

(OSTEOMYELITIS)

STETSULA, V.I. (Sverdlovsk, ul. Dekabristov, d. 69a, kv.13)

Histogenesis of adamantinoma of long tubular bones. Vop.onk.  
9 no.2:73-83'63. (MIRA 16:9)

1. Iz patologoanatomicheskoy laboratorii Sverdlovskogo nauchno-  
issledovatel'skogo instituta travmatologii i ortipedii (dir. -  
kand.med. nauk Z.P.Lubegina).  
(BONES—CANCER)

STETSULA, V.I., kand. med. nauk (Sverdlovsk, ul. Dekabristov, d.69, kv.13)  
SHTIN, V.P.

Abstracts of articles received by the editors. Ortop. travm.  
protez. 24 no.7:74 I1'63 (MIRA 17:2)

1. Iz patogistologicheskoy laboratorii ( rukovoditel' - V.I.  
Stetsula) Sverdlovskogo instituta travmatologii i ortopedii  
(dir. - kand. med. nauk Z.P.Lubagina).

L 13626-65 AMD  
ACCESSION NR:

AR4045864

S/0299/64/000/014/M023/M023

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 14M151

AUTHOR: Stetsula, V. I.; Stakheyev, I. A. B

TITLE: Primary accretion of bone heterotransplants

CITED SOURCE: Sb. 3 Vses. konferentsiya po peresadke tkaney i organov, 1963. Yerevan, 1963, 459-460

TOPIC TAGS: accretion, bone, transplantation, compression  
arthrodesis, knee, dogs

TRANSLATION: In experiments on 31 dogs, the accretion of heterotransplants was studied under conditions of compression arthrodesis of the knee joint with the use of a device of G. A. Ilizarov. Spongy or compact bone lamina taken from calves or humans with a 10 to 17 mm thickness and preserved by freezing were used as heterotransplants. A roentgenological and histological analysis (after 16 to 360 days) showed primary bone accretion of the heterotransplant. The use of transplants with considerable

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L 13626-65  
ACCESSION NR: AR4045864

mechanical durability (thickness 30-40 mm) is recommended to prevent secondary resorption resulting from dynamic loading.

SUB CODE: LS

ENCL: 00

Card 2/2



L 25774-65

ACCESSION NR: AR5000957

S/0299/64/000/020/M014/M014

SOURCE: Ref. zh. Biologiya. Sv. t., Abs. 20M82

AUTHOR: Stetsula, V. I.

63  
B

TITLE: Reparative desmalo-vascular disassociation

CITED SOURCE: Sb. Vopr. vosstanovit. khirurgii, travmatol. i ortopedii. T. 9. Sverdlovsk, 1964, 456-459

TOPIC TAGS: dog, human, bone graft, vascularization, homotransplantation, transplantation ✓

TRANSLATION: Vascularization of bone transplants (plates up to 17 mm in height filling the entire bone transversus) was investigated under compressive arthrodesis of the knee joint in dogs. It was established that the peripheral sections of the arterial network which grow into the bone transplant to a depth of only 4-6 mm are least capable of restoration. Muscular cells formed very rarely in the vessel walls. With the absence of arteries in the deep layers of the bone transplant, a zone of sclerosis formed penetrating to a depth of 12 mm.

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L 25774-65

ACCESSION NR: AR5000957

Investigation of bone homotransplants in humans has also shown that the possibility of restoring terminal arteries is sharply limited. The author uses the term reparative desmalo-vascular dissociation to describe the separation of regeneration processes into qualitatively different parts. The author believes these effects play an important role in the development of pathological disorders during transplantation and regeneration, particularly in man. L. Liozner.

SUB CODE: LS

ENCL: 00

Card 2/2

MIKITIN, I.P., inzh.; POPOVICH, S.P., inzh.; TADULEV, V.S.; SLODCHIKOV, A.A.

Controlling dust and gases in haulage-way galleries. (M.I.)  
v. prom. 5 no.11:10-12 1961.

1. Driver of the filial Instituta gornogo dela (for Mikitin, I.P.). 2. Nachal'nik pyleventilyatsionnoy shchitki "Tsentral'naya" (for Tadulev). 3. Otdel tekhnicheskoy bezopasnosti trosta Lomruda (for Stetsun).  
(Mining engineering--Safety measures)

STETSVRA 2 1

✓ The action of aluminum chloride in a stream of hydrogen  
chloride on some naphthalene tetrabromides. Z. I.  
Stetsura (I. P. Pavlov Med. Inst., Leningrad). *Zhur.*  
*Obshch. Khim.* 24, 2181-4 (1954); cf. Lohfert, *C.A.* 25, 100.  
—Passage of HCl into equimolar mixt. of  $AlCl_3$  (freshly  
prepd.) and 1,2,4,6- or 1,3,4,6-tetrabromonaphthalene in  
 $CS_2$  for 5 hrs. gave the starting material and some hexa-  
bromobinaphthyl, m. 232°. Similar reaction with 1,4,6,7-  
tetrabromonaphthalene (m. 170-1°) gave the starting mate-  
rial and tar, regardless of proportions of  $AlCl_3$ . 1,2,4,6-  
Tetrabromonaphthalene, m. 119-20°, similarly treated with  
 $AlCl_3$  prepd. *in situ* from granular Al and dry HCl, gave  
hexabromobinaphthyl, m. 232°, and binaphthyl(I), m. 185°;  
 $AlCl_3$  prepd. as above reacted with 1,4,6,7-tetrabromonaph-  
thalene to yield a little I. G. M. Kosolapoff

STETSURA, Z.I.

Action of  $\text{AlCl}_3$  on some bromo derivatives of naphthalene in a  
current of hydrogen chloride. Zhur. ob. khim. 31 no.4:1088-1090  
Ap '61. (MIRA 14:4)

1. 1-y Leningradskiy meditsinskiy institut imeni I. P. Pavlova.  
(Aluminum chloride)  
(Naphthalene)

STETSYUK, A.G.

Postoperative complications of acute appendicitis. Trudy TSIU  
2:228-236 '61. (MIRA 15:8)  
(APPENDICITIS)

STETSYUK, A.G.

Analysis of postoperative mortality in acute appendicitis. Trudy  
TSIU 2:237-240 '61. (MIRA 15:8)

(APPENDICITIS)

SOKOLOV, Yu.N., prof.; GUREVICH, L.A.; STETSYUK. A.G.

Some observations in cineangiography of the lungs in connection with the diagnosis of cancer; report no.1. Vestn. rentgen. i radiol. 38 no.4:3-13 JI-Ag'63 (MIRA 17:2)

1. Iz 2-y kafedry rentgenologii i meditsinskoy radiologii (zav. - prof. Yu.N.Sokolov) Tsentral'nogo instituta usovershenstvovaniya vrachey.

ROZENKHTRAKH, L.S.; KOZHETKOVA, A.G.; ROZHDESTVENIKAYA, A.I.; TYUNYOK, A.G.

Angiography in benign pulmonary tumors. Izv. Vsesoyuzn. nauch. tsentra kardiologii (MIRA 18:3) 1963.

1. Kafedra klinicheskoy khirurgii (nav. prof. D.I. Galinov)  
2. Kafedra rentgenologii (nav. prof. Yu.N. Lazarev) Tsentral'nogo  
instituta usovershenstvovaniya vrachev.

STETSYUK, A.G.; VLASOV, P.V.

Significance of one-stage bronchoscopy and bronchography in  
clinical practice. Vest. rent. i rad. 39 no.3:12-15 My-Je  
'64. (MIRA 18:11)

1. 2-ya kafedra khirurgii (zav. -- prof. B.K.Osipov) i 2-ya  
kafedra rentgenologii (zav. -- prof. Yu.N.Sokolov) Tsentral'-  
nogo instituta usovershenstvovaniya vrachey, Moskva.

SOLOV, Yu.N.; SOKOLOVA, I.A.; STRECHKA, A.G.

Further cineradiographic studies in pulmonary cancer. Vest.  
rent. i rad. 39 no.6:20-26 Nov '64. (MIRA 18:6)

1. 2-ya kafedra rentgenologii i meditsinskoy radiologii' (zav. -  
prof. Yu.N.Sokolov) Tsentral'nogo Instituta usovershenstvovaniya  
vrachev, Moskva.

STETSUK, A.G.

Surgical treatment of adenomas of the lungs. Trudy TSU 66:22-27  
'64. (MIRA 18:5)

STETSUK, A.G.

Complications in selective angiopalmography. Trudy TSU 66:122-  
126 1964. (MIRA 13:5)

STETSYUK, A.G.; VLASOV, P.V.

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Trudy TSIU 66:127-134 '64. (MIRA 18:5)

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