ABRITALIN, B.; MARKHILEVICH, K.; PYATKIN, I.

The antifoggant effect of benzotriazole. Sov.foto 18 no.12:48 D '58. (MIRA 11:12)

(Benzotriazole) (Photographic emulsions)

PYATKIN, A.M., kand.tekhn.nauk

Some regularities in the floor heaving of mine workings.
Shakht.stroi. 6 no.9:13-15 S '62. (MIRA 15:9)
(Donets Basin--Rock pressure)

BAKHTIN, A.F., gornyy inzh.; PYATKIN, A.M., kand.tekhn.nauk

Readers' response to B.S. Lokshin, I.IA. Kiiashko and I.E. Kiiashko's article "Combined mining of coal seams in the Lisichanskugol' Trust mines. Ugol' Ukr. 6 no.8:44 Ag '62. (MIRA 15:11)

1. Donetskiy nauchno-issledovatel'skiy ugol'nyy instituta (for Bakhtin). 2. Institut gornogo dela AN UkrSSR (for Pyatkin).

(Mining engineering)

(Lokshin, B.S.) (Kiiashko, I.IA.) (Kiiashko, I.E.)

PYATKIN, A.M., kand.tekhn.nauk; SIN'KEVICH, N.A., inzh.

Determination of the number of blocks in working strata of steep seams. Ugol' Ukr. 7 no.6:9-11 Je '63. (MIRA 16:8)

PYATKIN, A.M., kand.tekhn.nauk; BOYKO, S.M., inzh.; SHCHERBAKOVA, N.V., inzh.

Dynamics of the technical and economic indices of reorganized Donets Basin mines. Ugol' Ukr. 7 no.11:30-32 N '63.
(MIRA 17:4)

1. Institut gornoy mekhaniki i tekhnicheskoy kibernetiki.

PYATKIN, A.M.; YATSKOV, V.S.; SMIRNOV, L.P.

Methodological problems in calculating the amortization of mine workings. Trudy Inst.gor.dela AN URSR no.11:112-117 '62. (MIRA 16:2)

(Coal mines and mining--Accounting)

KHUDOSOVTSEV, N.M.; PAK, V.S., akademik; BORISHENKO, K.S.; PYATKIN, A.M., kand. tekhn. nauk; GOL'DIN, M.A., kand. tekhn. nauk

Urgent problems in the development of the coal industry.
Ugol' 38 no.6:62-63 Je '63. (MIRA 16:8)

1. Predsedatel' Donetskogo soveta narodnogo khozyaystva (for Khudosovtsev). 2. AN UkrSSR (for Pak). 3. Chlen-korrespondent AN UkrSSR (for Borisenko).
(Coal mines and mining)

SULOPLATOV, A.P., doktor tekhn. nauk; ORLOV, R.V., kand. tekhn. nauk; PYATKIN, A.M., kand. tekhn. nauk

Network planning and prospects for its use in the coal industry. Ugol' 40 no.4:26-30 Ap '65. (MIRA 18:5)

1. Institut gornogo dela im. A.A. Skochinskogo (for Sulopiatov, Orlov). 2. Institut gornoy mekhaniki i tekhnicheskoy kibernetiki im. M.M. Fedorova (for Pyatkin).

PYATKIN, A.M., kand.tekhn.nauk

Introducing the use of rod bolting in mines. Ugol' Ukr. 4 no.5:48 My '60. (MIRA 13:8)

1. Donetskiy ugol'nyy institut.
(Donets Basin--Mine timbering)

PYATKIN, E. M. and PETROV, G. S. (Veterinary Doctors, Ramenskii District, Moscow Oblast').

"Rectal introduction of novocaine and the preparation ASD [Dorogov's antiseptic stimulant] for the purpose of normalizing the physiological functions of internal organs"...

Veterinariya, vol. 39, no. 8, August 1962 pp. 49

PYATKIN, K. D.

32768. Zabolevayemost' skarlatinoy po Stalingradskoy oblasti i astrakhana za iolet (1931-1940). Trudy ukr. In-ta spidemiologii i mikrobiologii im. Mechnikova, T. SVI, vyp. 1, 1949, s. 125-28

SO: Letopis' Zhurnal'nykh Statey, Vol. 44, Moskva, 1949

PYATKIN, K. D.

K. D. Pyatkin and N. I. Sidorova - "Diptherial bacterimia in children," Trudy Krymsk. med. in-ta im. Stalina, Vol. XII, 1948, p. 113-14

SO: U-3950, 16 June 53, (Letopis, 'Zhurnal 'nykh Statey, No. 5, 1949).

PYATKIN, K. D.

"Serological diagnostics of turlaremia by the blood-drop method," Trudy Krymsk. med. in-ta im. Stalina, Vol. XII, 1948, p. 105-07

SO: U-3950, 16 June 53, (Letopis, 'Zhurnal 'nykh Statey, No. 5, 1949).

PYATKIN, K. D.

"The problem of specific prophylaxis of diphtheria," Trudy Krymsk. med. in-ta im. Stalina, Vol. XII, 1948, p. 101-04

SO: U-3950, 16 June 53, (Letopis, 'Zhurnal 'nykh Statey, No. 6, 1949).

PYATKIN, A. M.: Master Tech Sci (diss) -- "Investigation of the effectiveness of rod reinforcing as a means of combatting the swelling of rock under preparatory cuttings on sloping seams in the Donbass". Leningrad, 1958. 15 pp (Min Higher Educ USSR, Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst im G. V. Plekhanov, Chair of the Construction of Mining Enterprises), 110 copies (KL, No 7, 1959, 125)

PYATKIN, A.M., inzh.

Calculating parameters of strut fastenings in bolting. Nauch.dokl.vys. shkoly; gor.delo. no.4:67-69 '58. (MIRA 12:1)

1. Predstavleno kafedroy stroitel'stva gornykh predpriyatiy Leningradskogo gornogo instituta imeni G.V. Plekhanova.
(Mine roof bolting)

PYATKIN, A.M., inzh.

Laboratory investigation of strain under the effect of load in fastened together and loose concrete bars. Izv.vys.ucheb.zav.; gor. zhur. no.5:18-22 '58. (MIRA 12:1)

1. Leningradskiy gornyy institut.
(Strains and stresses) (Mine timbering--Testing)

S/081/62/000/004/063/087
B150/138

AUTHORS: I - Markhilevich, K. I., Abritalin, V. L., Pyatkin, I. I.
II - Markhilevich, K. I., Abritalin, V. L.

TITLE: Investigation of the process for treating a high-densitivity panchromatic aerial film. I - The operating conditions for treating aerial film in a manual developing apparatus. II - Increasing the photosensitivity and uniformity of development by cyclic development of aerial film. III - Sensitometric investigation of the method of "hungry" development of aerial films.

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 4, 1962, 457, abstract 4L429 (Tr. Vses. n.-i. kinofotoin-ta, no. 35, 1960, 110-116; 117-119; 120-125)

TEXT: The literature on the development of aerial films is reviewed in connection with the requirements for airial photograph interpretation and to establish the dependence of resolution on the range of contrast. The

Card 1/2

Investigation of the process... S/081/62/000/004/063/087
B150/B138

appropriate length of aerial film and the developing time are established for a developing apparatus with manual rewinding. A method is suggested for cyclic development by continuous winding of the film from one spool to the other. It produces excellent results with regard to increasing the photosensitivity of the film and the uniformity of development. A sensitometric investigation is made, of a method of development which increases light-sensitivity and includes repeated steeping of the film in the developer with subsequent holding between glasses. [Abstracter's note: Complete translation.]

Card 2/2

USSR / Microbiology. Human and Animal Pathogens. F
Corynebacteria.

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5623.

Author : Pyatkin, K. D.; Trofimova, N. D.; Markova, N. S.
Inst : Not given.
Title : Changes in Forms of Diphtheria Bacilli.

Orig Pub: Mikrobiol. zh., 1958, 20, No 1, 44-48.

Abstract: Three changed mitis type cultures and four cultures isolated from patients were studied; of these, three cultures were yeast-like forms, three coccoid: the seventh was a V-shaped form with lemon-yellow pigment. All the cultures were transferred every 7-14 days to lysates obtained from Staphylococcus aureus, Streptococcus gravis type of diphtheria bacilli. In one

Card 1/3

USSR / Microbiology. Human and Animal Pathogens. F
Corynebacteria.

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5623.

Abstract: case on the Staphylococcus lysate and in six cases on the diphtheria lysates, capsulated forms were observed, possessing proteolytic properties. They did not ferment lactose, galactose, or starch; in media with glucose and lactose, traces of acid were formed; they did not agglutinate homologous sera, were not pathogenic for animals, and were not antagonistic to mitis and gravis type diphtheria bacilli. After 13-14 passages on the indicated lysates, a transition of the capsulated form to thread-like and then to typical diphtheria bacilli morphological forms was observed. At the same time their pro-

Card 2/3

USSR / Microbiology. Human and Animal Pathogens. F
Corynebacteria.

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5623.

Abstract: teolytic activity disappeared and their biochemical activity was restored to some oxtent, but the reversed forms were apathogenic to animals.

Card 3/3

LESHCHENKO, P.D.; PYATKIN, K.D.; MERENKOVA, A.M.

Tasks of public health institutions in the eradication diphtheria in the Ukraine. Vrach. delo no.4:103-107 Ap'63.
(MIRA 16:7)

(UKRAINE—DIPHTHERIA)

PYATKIN, K. D.

"On the methods of laboratory diagnostics of typhoid feverm paratyphoid and dysentery," Trudy Krymsk. med. in-ta im. Stalina, Vol. XII, 1948, p. 109-11

SO: U-3950, 16 June 53, (Letopis, 'Zhurnal 'nykh Statey, No. 5, 1949).

PYATKIN, K.D. [P'IATKIN, K.D.], TROFIMOVA, M.D., MARKOVA, N.S.

Variability in Corynebacterium diphtheriae. Mikrobiol.zhur. 20 no.1:44-48 '58 (MIRA 11:6)

1. Z kafedri mikrobiologii Krims'kogo medichnogo instytutu.
(CORYNEBACTERIUM DIPHTHERIAE, variability (Uk))

PYATIN, Yu. M., Doc Tech Sci -- (diss) "Bases for the calculation of logarithmic devices." Leningrad, 1960. 20 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Leningrad Polytechnic Inst im M. I. Kalinin); 150 copies; price not given; (KL, 26-60, 133)

PYATKIN, Kirill Dmitriyevich; IVANOVA, T.I., red.; CHUCHUPAK, V.D., tekhn. red.; RAYZ, A.L., tekhn. red.

[Medical microbiology] Meditsinskaia mikrobiologiia. Kiev, Gosmedizdat USSR, 1962. 382 p. (MIRA 16:5)
(MEDICAL MICROBIOLOGY)

USSR/Medicine - Spirochetosis May 1947
Medicine - Epidemiology

"A Case of Leptospirosis in the Crimea," K. D. Pyatkin, V. Yo. Laskin, E. M. Sultanskaya, L. Ts. Besprozvannaya, 2 pp

"Gigiyena i Sanitariya" Vol XII, No 5

Detailed discussion giving epidemiological data. Concludes, among other things, that the most probable sources of water fever are rats and horned cattle.

16T43

PYATKIN, K.D., prof.

Pathogenesis and specific prevention of diphteria. Vrach. delo no.2:112-115 F '62. (MIRA 15:3)

1. Kafedra mikrobiologii Krymskogo meditsinskogo instituta.
(DIPHTERIA—PREVENTION)

PYATKIN, S.A.

AUTHOR: Pyatkin, S.A.

106-58-3-10/19

TITLE: Letter to the Editor (Pis'ma v redaktsiyu)

PERIODICAL: Elektrosvyaz', 1958, Nr 3, pp 65 - 66 (USSR)

ABSTRACT: Comment on "An Approximate Method for the Calculation of the Mutual Relation between Frequency and Transfer Characteristics of Radio Circuits" - Elektrosvyaz', 1957, Nr 1. Conclusions drawn by the author from Eq.(7) and the initial formula :

$$\omega \int_0^\infty h(t) \cos \omega t dt$$

are considered untrue. Formula for the expression of the transfer processes is developed from the frequency characteristic and vice versa. There are 2 figures and 1 Soviet reference.

AVAILABLE: Library of Congress

Card 1/1

1. Radio circuits-Characteristics 2. Mathematics-Theory

PYATKIN, S.A.

Comments on the article of S.N. Krize "Approximate method of calculating the relationship between frequency and transient characteristics in radio circuits," published in no.1 of the periodical "Elektrosviaz'" of 1957. Elektrosviaz' 12 no.3:65-66 Mr '58. (MIRA 11:2)
(Radio circuits)
(Krize, S.N.)

PYATKIN, S. F.

Pyatkin, S. F. -- "Development of aMethod and the Investigation of Tensicn and friction of Glass Fiber During the Process of Suction." Cand Tech Sci, All-Union Sci Res Inst of Glass Fiber, Moscow 1953. (Referativnyy Zhurnal--Khimiya, No 1, Jan 54)

So: SUM 168, 22 July 1954

PYATKIN,S.F., kandidat tekhnicheskikh nauk; BARTENEV,G.M., doktor khimicheskikh nauk

Tension measurement in shaping glass fibers by the method of continuous drawing. Leg.prom.15 no.7:21-23 Jl'55.
(Glass fibers) (MLRA 8:10)

SOV/72-58-10-9/18

AUTHORS: Pyatkin, S.F., Yantsev, P.G.

TITLE: Contactless Method of Automatic Stabilization of the Temperature of Electric Furnaces (Beskontaktnyy sposob avtomaticheskoy stabilizatsii temperatury elektropechey)

PERIODICAL: Steklo i keramika, 1958, Nr 10, pp. 35 - 36 (USSR)

ABSTRACT: In the industrial manufacture of endless glass fibers the regulation of temperature of the platinum-rhodium melting-pots is performed by means of an electronic control-millivoltmeter of the ЭПВМ -47 type. The millivoltmeter controls the autotransformer of the АОСК 10/0,5 type by control mechanism РР -1. The electric furnace in which the glass-melting pot is installed shows constant heat balance at stable temperature conditions. Any change of temperature of the pot is accompanied by a change of the power consumption. Thus, also constant temperature of the electric furnace can be obtained by stabilization of the supply voltage which is supplied to the terminals. NIIsteklovolokna, together with kafedra elektrooborudovaniya Moskovskogo aviatsionnogo instituta imeni Ordzhonikidze (Chair of Electric Equipment of the Moscow

Card 1/2

Institute of Aviation imeni Ordzhonikidze) have developed and tested a contactless scheme of automatic stabilization of the supply voltage of the furnace (Fig 1). In figure 2 the time course of voltage at the terminals is given. Autotransformers of the LATR-1 type with electric drive and an automatic regulator of the EPV-01 or EPD-12 type, respectively, (Fig 3) can be used for the purpose of stabilizing the voltage. There are 3 figures.

PYATKIN, V.P.; SHIGIN, A.G.

Information nets of concepts and of the structure of a teaching process. Trudy MEI no.53:89-95 '64.
(MIRA 17:6)

ZYRYANOV, K.V.; POPOV, F.S.; PYATKIN, V.Ye.; STANKEVICH, V.V.

Work practices of I.P.Kanavin's brigade at the "Komsomolets" mine of the Kuzbassugol' Combine. Ugol' 40 no.6:15-17 Je '65. (MIRA 18:7)

FYATKIN, Ye.E.; POROSHINA, G.G.

Manifestation of two cell lines in the bone marrow and in peripheral blood culture in chronic myeloleukemia. Vest. AMN SSSR 20 no.3:21-25 '65. (MIRA 18:7)

1. TSentral'nyy institut usovershenstvovaniya vrachey i Institut biofiziki AN SSSR, Moskva.

PYATKIN, Ye.M., kand.veterin.nauk

Problems of the reactivity of animals from the point of view of feedback. Veterinariia 41 no.8:56-58 Ag '64.
(MIRA 18:4)

PYATKIN, Ye. M.

PYATKIN, Ye. M. -- "The Dynamics of Secretory Disorders of an Injured Stomach in Normal Neurotic Dogs (A Study of Physiological Lability in Pathological Processes)." Min Higher Education USSR. Moscow Veterinary Academy. Chair of Pathological Physiology. Moscow, 1955. (Dissertation for the Degree of Candidate in Veterinary Sciences).

So.: Knizhnaya Letopis', No. 2, 1956.

ARSHAVSKIY, V.V., nauchnyy sotrudnik; PYATKIN, Ye.N., vetvrach

Roser's test for the determination of ketone bodies in toxemia in cattle. Veterinariia 36 no.8:77-79 Ag '59. (MIRA 12:11)

1. Balashovskaya sel'skokhozyaystvennaya opytnaya stantsiya (for Arshavskiy). 2. Kaliningradskaya nauchno-issledovatel'skaya veterinarnaya stantsiya (for Pyatkin).
(Cattle--Diseases and pests) (Toxemia)

PYATKO, V. (Stavropol')

In the International Airplane-Model Committee of the International Aeronautical Association. Kryl. rod. 14 no.5:43-44 My '63.
(MIRA 16:7)

(Aerial sports)

PYATKOV, F.F.

Role of Issyk Kul stoneworts in the life of aquatic birds.
Bot.zhur. 40 no.6:860 N-D '55. (MLRA 9:4)
(Issyk Kul--Stoneworts)

PYATKOV, L.L.; YANUSHEVICH, A.I., redaktor; TSYBINA, Ye.V., tekhnicheskiy redaktor.

[The wintering of waterfowl on Issuk-Kul] Zimovki vodoplavaiushchikh ptits na Issyk-Kule. Frunze, Izd-vo AN Kirgizskoi SSR, 1957. 110 p. (MIRA 10:4)

(Issuk-Kul, Lake—Water birds)

L 08070-67 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)
ACC NR: AP6034249 (N) SOURCE CODE: UR/0120/66/000/005/0242/0243

34
B

AUTHOR: Pyatkov, I. F.

ORG: Siberian Branch, VNII of Agricultural Mechanization (Sibirskiy filial VNII mekhanizatsii sel'skogo khozyaystva)

14

TITLE: A device for making thin-wire miniature thermocouples

SOURCE: Pribory i tekhnika eksperimenta, no. 5, 1966, 242-243

TOPIC TAGS: thermocouple, temperature instrument, thermoelectric sensor

ABSTRACT: A device is described which welds thermocouple wires together in a sodium chloride solution. The wires, twisted together at one end, are clamped vertically to a holder which can be moved toward the surface of the salt solution by means of a screw mechanism. One conductor of the power line (220 v a-c) is connected to the holder and another to the solution. When the wires make contact with the surface of the solution, an electric arc is created which welds the wires together. A special switch cuts off the power automatically. The welded function is cooled by dipping it into the solution again. Welding time must be established by testing the device at a current insufficient for arc formation. The junction is smooth and the strength of the wires is not significantly affected. Orig. art. has: 2 figures.

SUB CODE: 09/ SUBM DATE: 27Aug65/ ORIG REF: 001/ ATD PRESS: 5102

Card 1/1 fe UDC: 536.532

PYATKOV, K.K.; PYANOVSKAYA, I.A.; BUKHARIN, A.K.

Presence of faunally characterized Cambrian sediments in the central Kyzyl Kum. Uzb. geol. zhur. 8 no.1:87-88 '64.
(MIRA 18:5)

1. KGSPE.

PYATKOV, K.K.

Manifestation of Alpine folding in the Kyzyl Kum. Trudy Uz. geol. upr. no.2:35-36 '62. (MIRA 16:8)
(Kyzyl Kum—Folds (Geology))

PYATKOV, K.K.; BUKHARIN, A.K.

Upper Silurian sediments in the Bukan-Tau (Kyzyl Kum). Trudy Uz. geol. upr. no.2:6-7 '62. (MIRA 16:8)
(Bukan-Tau--Geology, Stratigraphic)

PYATKOV, K.K.; BUKHARIN, A.K.

Tectonic pattern of the Kyzyl Kum. Trudy Uz. geol. upr. no.2: 36-42 '62. (MIRA 16:8)

(Kyzyl Kum--Geology, Structural)

PYANOVSKAYA, I.A.; PYATKOV, K.K.

Lower Cretaceous sediments in the northern part of the Kyzyl Kum. Trudy Uz.geol.upr. no.1:46-47 '60. (MIRA 14:8)
(Kyzyl Kum--Geology, Stratigraphic)

PYATKOV, K.K.; PYANOVSKAYA, I.A.

History of the tectonic development of the central Kyzyl Kum. Uzb.geol.zhur. 8 no.3:39-47 '64.

(MIRA 18:12)

1. Glavnoye upravleniye geologii i okhrany nedr pri Sovete Ministrov UzSSR. Submitted May 10, 1963.

PYATKOV, K.K.; PYANOVSKAYA, I.A.

Early Mesozoic folding in the central Kyzyl Kum as illustrated by folds in the area of the Sarbatyr well. Trudy Uz.geol.upr. no.1:62-64 '60. (MIRA 14:8)
(Kyzyl Kum--Folds (Geology))

PYATKOV, K.K.; BUKHARIN, A.K.

Sedimentary dikes in the central Kyzyl-Kum. Sov.geol. 2 no.3: 150-151 Mr '59. (MIRA 12:6)

1. Tamdynskaya geologo-poiskovaya ekspeditsiya.
(Kyzyl Kum--Rocks, Sedimentary)

PYATKOV, K.K.; BUKHARIN, A.K.; KHAYRULLINA, T.I.

New data on the stratigraphy of Paleozoic sediments in the central part of the Kyzyl Kum. Trudy Uz.geol.upr. no.1: 17-25 '60. (MIRA 14:8)

(Kyzyl Kum--Geology, Stratigraphic)

PYATKOV, T.F., mashinist

How to operate a train with an inoperative generator and exciter in the diesel locomotive. Elek. i tepl. tiaga 5 no.6:34-35 Je '61. (MIRA 14:10)

1. Depo Kartaly Yuzhno-Ural'skoy dorogi.
(Diesel locomotives--Repairs)
(Railroads--Rolling stock)

PYATKOV, V. A.

"Investigation of Some Processes for Lubricating Engines in Timber-Hauling Machines." Cand Tech Sci, Moscow Forestry Engineering Inst, Krasnoyarsk, 1953. (KL, No 8, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

1. PYATKOV, V. A.

2. USSR (600)

4. Automobiles - Motors

7. Results of the study of lubricating processes in the KDM-46 and IAAZ engines. Avt. trakt. prom. No. 4, 1953.

9. **Monthly List of Russian Accessions, Library of Congress, April 1953. Unclassified.**

PYATKOV, Viktor Anempodistovich; POTAPOVA, Oktyabrina Mikhaylovna; KOROBOVA, E.S., red.; KHLOBORDOV, V.I., tekhn. red.

[Learn to invetn] Uchis' izobretat'. Krasnodar, Krasnodarskoe knizhnoe izd-vo, 1962. 163 p. (MIRA 15:6)
(Technological innovations)

PYATKOVA, A., dessinator

Assortment of textile fabrics is expanding. Prom.Arm. 4 no.6: 43 Je '61. (MIRA 14:8)
(Erevan--Rayon industry)

PYATKOVA, A., starshiy dessinator

New assortment of silk fabrics. Prom.Arm. 5 no.1:43-44 Ja '62.
(MIRA 15:2)

1. Yerevanskiy shelkovyy kombinat imeni V.I.Lenina.
(Erivan—Silk manufacture)

PYATKOVA, A.

Eliminating stripe in woven silk fabrics. Prom.Arm. 5 no.10:31 O '62. (MIRA 16:11)

1. Yerevanskiy shelkovyy kombinat im. V.I. Lenina.
(Armenia—Silk manufacture)

PYATKOVA, A.

Reducing stripes in silk fabrics. Prom.Arm. 4 no.5:54-56 My '61. (MIRA 14:8)

1. Yerevanskiy shelkovyy kombinat im. V.I.Lenina.
(Erivan--Silk manufacture)

GOL'DSHTEYN, Yakov Yefimovich, kand. tekhn. nauk; GORBUL'SKIY, Il'ya Yakovlevich, inzh.; Prinimal uchastiye PYATKOVA, L.L., inzh.; DUGINA, N.A., tekhn. red.

[Increasing the durability of tractor parts] Povyshenie dolgovechnosti traktornykh detalei. Izd.2. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1961. 199 p. (MIRA 15:2)

(Cast iron—Hardening) (Steel—Hardening)

REVA, V.; PYATKOVSKIY, A.

The skip pit of a blast furnace at the Kommunar Metallurgical Plant. Prom. stroi. i inzh. soor. 5 no.2:18-19 Mr-Ap '63. (MIRA 16:4)

1. Glavnyy inzhener tresta "Kommunarskstroy" (for Reva). 2. Glavnyy tekhnolog tresta "Kommunarskstroy" (for Pyatkovskiy).
(Kommunar--Blast furnaces--Design and construction)
(Reinforced concrete construction)

NOSOV, Ye.; PYATKOVSKIY, A.

Placing the concrete of a buttress in movable formwork. Prom. stroi. i inzh. soor. 5 no.3:51-54 My-Je '63. (MIRA 16:7)

1. Glavnyy inzh. stroitel'nogo upravleniya "Khimstroy" tresta "Kommunarskstroy" (for Nosov). 2. Glavnyy tekhnolog tresta "Kommunarskstroy" (for Pyatkovskiy).

(Coke ovens—Design and construction)
(Concrete construction)

KOVAL', P.; PYATKOVSKIY, A.

Prestressed wall slabs. Prom.stroi. i inzh. soor. 4 no.4: 11-13 Jl-Ag '62. (MIRA 15:9)

1. Upravlyayushchiy trestom "Kommunarskstroy" (for Koval').
2. Glavnyy tekhnolog tresta "Kommunarskstroy" (for Pyatkovskiy).
(Prestressed concrete construction) (Concrete walls)

PYATKOVSKIY, A. [P"iatkovs'kyi, A.], inzh.

Manufacture of precast parts of large-panel apartment houses in the "Komunars'kbud" trust. Bud.mat.i konstr. 4 no.4:5-8 Jl-Ag '62. (MIRA 15:8)
(Precast concrete) (Apartment houses)

PIKHAY, G.V.; PYATKOVSKIY, A.G.

Manufacture of roof channel slabs in reinforced concrete dies.
Bet. i zhel.-bet. 8 no.8:366-368 Ag '62. (MIRA 15:9)

1. Nachal'nik laboratorii zavoda zhelezobetonnykh izdeliy No.1 Kommunarskstroy (for Pikhay).
(Roofing, Concrete)

AFANAS'YEV, I. A.; PYATKOVSKIY, A. G.; DZEMIT, K.

From the experience in constructing a new shop of a by-product coke plant. Prom stroi 41 no. 12:16-19 D '63. (MIRA 17:5)

AGREST, D.M., inzh.; DZEMIT, K.I.; PYATKOVSKIY, A.G.

Constructing a precast reinforced concrete sintering plant. Prom. stroi. 38 no.8:41-44 '60. (MIRA 13:8)

1. Trest Voroshilovskstroy.
(Precast concrete construction)
(Sintering—Equipment and supplies)

KOVAL', P.I.; PYATKOVSKIY, A.G.

Precast reinforced concrete in the construction of a ferroalloy plant. Prom. stroi. 42 no.10:8-11 O '64. (MIRA 17:11)

1. Trest Kommunarskstroy.

KOVAL', P.I.; REVA, V.Z.; DZEMIT, K.I.; PYATKOVSKIY, A.G.; LICHAK, G.K.

Rapid construction of a blast furnace at the Voroshilov Plant.
Prom. stroi. 39 no.9:34-38 '61. (MIRA 14:10)

1. Trest Voroshilovskstroy.
(Voroshilovsk--Blast furnaces)

DZEMIT, K.I., inzh.; PYATKOVSKIY, A.G., inzh.; LICHAK, G.K., inzh.

Large wall panels in industrial construction. Prom. stroi. 39 no.9:38-40 '61. (MIRA 14:10)
(Concrete slabs) (Voroshilovsk--Industrial buildings)

PYATKOVSKIY, A.G.

Two-stage moving of a blast furnace. Prom. stroi. 39 no.10: 47-48 O '61. (MIRA 14:10)

1. Trest Voroshilovskstroy.
(Voroshilovsk--Blast furnaces)

PYATKOVSKIY, G. (Luganskaya obl.)

A year ahead of the plan. Sov.shakht. 13 no.2:8 F '64.(MIRA 17:3)

KOZIN, Yu.V.; PYATKOVSKIY, P.I.

Roadbed tamper. Gor. zhur. no.12:68 D '57. (MIRA 11:1)

1. Giprougleavtomatizatsiya
(Ballast (Railroads))

PYATKOVSKIY, P.I.; RAZNOSCHIKOV, D.V.

Tie tamper. Biul.tekh.-ekon.inform. no.4:61-63 '60.
(MIRA 13:11)

(Mine railroads)

ПЯТКОВСКИЙ П.И.

AUTHORS: Kozin, Yu.V. and Pyatkovskiy, P.I. 127-12-22/28

TITLE: Sleeper-Padding Machine (Shpalopodbivochnaya mashina)

PERIODICAL: Gornyy Zhurnal, 1957, No 12, p 68 (USSR)

ABSTRACT: The Institute "Giprougleavtomatizatsiya" has designed a highly-efficient sleeper-padding machine for tamping the ballast under the railroad sleepers during the construction and repair of railways. The machine, a self-propelling mechanism moving on rails, and driven by a water-cooled, 90 hp internal combustion 6-cylinder carburetor engine, has a capacity of 200 sleepers per hour. Its working speed is 5.3 km/hr and its transport speeds are 18 and 33 km/hr. The total weight of the machine is 10 tons. At present, the Dnepropetrovsk Locomotive-Plant is completing the manufacture of an experimental RR sleeper-tamping machine. The new machine will be tested early in 1958 and upon completion of successful tests will be mass-produced.
The article contains 1 photo.

ASSOCIATION: "Giprougleavtomatizatsiya".

AVAILABLE: Library of Congress

Card 1/1

POPKOV, Ivan Fedorovich, kand. tekhn. nauk; PYATLIN, A.A., retsenzent; CHALKIN, I.Ya., retsenzent; POROCHKIN, Ye.M., red.; LOBANOV, Ye.M., red. izd-va; RIDNAYA, I.V., tekhn. red.

[General sailing directions for inland waterways]Obshchaia lotsiia vnutrennikh vodnykh putei. Izd.2., dop. i perer. Moskva, Izd-vo "Rechnoi transport," 1962. 277 p. (MIRA 16:2)
(Inland navigation)

VLADIMIROV, Nikolay Petrovich; SHCHEPETOV, Ivan Alekseyevich; BELOGLAZOV, Vasiliy Ivanovich; PUSHKAREV, Leonid Vasil'yevich; ZERNOV, S.A., inzh., retsenzent; AGAPOV, A.D., kapitan, retsenzent; PYATLIN, A.A., kapitan, retsenzent; BAKULIN, P.F., kapitan, retsenzent; MOSKVIN, S.V., kapitan-nastavnik, retsenzent; POROCHKIN, Ye.M., red.; MAKRUSHINA, A.N., red.

[Special sailing directions for the Volga-Kama and Don River basins; Moscow Canal, Volga River from the Ivankovo Hydraulic Development Complex to Bertyul', Kama River from the city of Perm to its estuary, Volga-Don Canal, TSimlyansk Reservoir, and the Don River from the TSimlyansk Reservoir to the city of Rostov] Spetslotsiia Volzhsko-Kamskogo i Donskogo basseinov; kanal im. Moskvy, r. Volga ot Ivan'kovskogo gidrouzla do nas. p. Bertiul', r. Kama ot g. Perm' do ust'ia, Volgo-Donskoi kanal im. V.I.Lenina, TSimlianskoe vodokhranilishche i r. Don ot TSimlianskogo vodokhranilishcha do g.Rostov. Moskva, Transport, 1964. 288 p. (MIRA 17:10)

PAKHOMOV, V.B., kand. tekhn. nauk; NAUMOV, A.I., inzh.; SHELMANOV, V.S., inzh.; KONSTANTINOV, V.P., inzh.; KOSTIN, A.M., inzh.; SEMENOV, YU.K., inzh.; PYATLIN, A.A., kapitan; VAGANOV, G.I., kand. tekhn. nauk; SVIRIDOV, A.A., inzh. KHODUNOV, M.Ye., kand. yurid. nauk; SAPOGOVA, A.Ye., inzh.; SOYUZOV, A.A., doktor tekhn. nauk, prof., red.; VASIL'YEV, A.V., kand. tekhn. nauk; ALEKSEYEV, V.I., red.; KUSTOV, L.I., red.; VITSINSKIY, V.V., red.; BORISOV, I.G., red.; SOLAREV, N.F., red.; ANDRIYENKO, V.I., red.; SUTYRIN, M.A., red.; GOLOVNIKOV, V.I., red.; ZOTOVA, V.V., red.

[Manual for the navigator of a river fleet] Spravochnik sudovoditelia rechnogo flota. Izd.2., dop. Moskva, Transport, 1965. 423 p. (MIRA 18:2)

1. Gor'kovskiy institut inzhenerov vodnogo transporta (for Pakhomov, Semenov, Vaganov, Vasil'yev). 2. Moskovskiy rechnoy tekhnikum (for Naumov). 3. Volzhskoye ob"yedinennoye rechnoye parokhodstvo (for Shelmanov, Sapogova). 4. Ministerstvo rechnogo flota (for Konstantinov, Sviridov). 5. Kazanskiy port (for Kostin). 6. Moskovskoye rechnoye parokhodstvo (for Pyatlin).

KAZAKOVSKIY, Dmitriy Antonovich, prof., doktor tekhn.nauk; AVERSHIN, Stepan Gavrilovich, prof., doktor tekhn.nauk; BELOLIKOV, Antonin Nikolayevich, dotsent, kand.tekhn.nauk; GUSEV, Mikhail Iosifovich, dotsent, kand.tekhn.nauk; ZDANOVICH, Vyacheslav Grigor'yevich, prof., doktor tekhn.nauk; KROTOV, Gavriil Alekseyevich, dotsent, kand.tekhn.nauk; LAVROV, Vladimir Nikolayevich, kand.tekhn. nauk; LEBEDEV, Kirill Mikhaylovich, assistent; PYATLIN, Mikhail Petrovich, dotsent, kand.tekhn.nauk; STENIN, Nikolay Ivanovich, assistent; BUKRINSKIY, V.A., otv.red.; SLAVOROSOV, A.Kh., red.izd-va; ALADOVA, Ye.I., tekhn.red.; KOROVENKOVA, Z.A., tekhn.red.

[Mine surveying] Marksheiderskoe delo. Moskva, Ugletekhizdat, 1959. 688 p. (MIRA 13:11)
(Mine surveying)

ABRAMOV, S.K., kand.tekhn.nauk; AVERSHIN, S.G., prof., doktor tekhn.nauk; AMMOSOV, I.I., doktor geol.-min.nauk; ANDRIYEVSKIY, V.D., inzh.; ANTROPOV, A.N., inzh.; AFANAS'YEV, B.L., inzh.; BERGMAN, Ya.V., inzh.; BLOKHA, Ye.Ye., inzh.; BOGACHEVA, Ye.M., inzh.; BUKRINSKIY, V.A., kand.tekhn.nauk; VASIL'YEV, P.V., doktor geol.-min.nauk; VINOGRADOV, B.G., inzh.; GOLUBEV, S.A., inzh.; GORDIYENKO, P.D., inzh.; GUSEV, N.A., kand.tekhn.nauk; DOROKHIN, I.V., kand.geol.-min.nauk; KALMYKOV, G.S., inzh.; KASATOCHKIN, V.I., doktor khim.nauk; KOROLEV, I.V., inzh.; KOSTLIVTSEV, A.A., inzh.; KRATKOVSKIY, L.F., inzh.; KRASHENINNIKOV, G.F., prof. doktor geol.-min.nauk; KRIKUNOV, L.A., inzh.; LEVIT, D.Ye., inzh.; LISITSA, I.G., kand.tekhn.nauk; LUSHNIKOV, V.A., inzh.; MATVEYEV, A.K., dots., kand.geol.-min.nauk; MEPURISHVILI, G.Ye., inzh.; MIRONOV, K.V., inzh.; MOLCHANOV, I.I., inzh.; NAUMOVA, S.N., starshiy nauchnyy sotrudnik; NEKIPELOV, V.Ye., inzh.; PAVLOV, F.F., doktor tekhn.nauk; PANYUKOV, P.N., doktor geol.-min.nauk; POPOV, V.S., inzh.; PYATLIN, M.P., kand.tekhn. nauk; RASHKOVSKIY, Ya.E., inzh.; ROMANOV, V.A., prof., doktor tekhn. nauk; RYZHOV, P.A., prof., doktor tekhn.nauk; SELYATITSKIY, G.A., inzh.; SPERANSKIY, M.A., inzh.; TERENT'YEV, Ye.V., inzh.; TITOV, N.G., doktor khim.nauk; GOKAREV, I.F., inzh.; TROYANSKIY, S.V., prof., doktor geol.-min.nauk; FEDOROV, B.D., dots., kand.tekhn.nauk; FEDOROV, V.S., inzh. [deceased]; KHOMENTOVSKIY, A.S., prof., doktor geol.-min.nauk; TROYANOVSKIY, S.V., otvetstvennyy red.; TERPIGOREV, A.M., red.; KRIKUNOV, L.A., red.; KUZNETSOV, I.A., red.; MIRONOV, K.V., red.; AVERSHIN, S.G., red.; BURTSEV, M.P., red.; VASIL'YEV, P.V., red.; MOLCHANOV, I.I., red.; RYZHOV, P.A., red.; BALANDIN, V.V., inzh., red.; BLOKH, I.M., kand. tekhn.nauk, red.; BUKRINSKIY, V.A., kand.tekhn.nauk, red.; VOLKOV, K.Yu., inzh., red.; VOROB'YEV, A.A., inzh., red.; ZVONAREV, K.A., prof. doktor tekhn.nauk, red.

(Continued on next card)

ABRAMOV, S.K.-- (continued) Card 2.

ZDANOVICH, V.G., prof., doktor tekhn.nauk; red.; IVANOV, G.A., doktor geol.-min.nauk, red.; KARAVAYEV, N.M., red.; KOROTKOV, G.V., kand.geol.-min.nauk, red.; KOROTKOV, M.V., kand.tekhn.nauk, red.; MAKKAVEYEV, A.A., doktor geol.-min.nauk, red.; OMEL'CHENKO, A.N., kand.tekhn.nauk, red.; SEMDERZON, E.M., kand.geol.-min.nauk, red.; USHAKOV, I.N., dots., kand. tekhn.nauk, red.; YABLOKOV, V.S., kand.geol.-min.nauk, red.; KOROLEVA, T.I., red.izd-va; KACHALKINA, Z.I., red.izd-va; PROZOROVSKAYA, F.L., tekhn.red.; NADEINSKAYA, A.A., tekhn.red.

[Mining; an encyclopedia handbook] Gornoe delo; entsiklopedicheskii spravochnik. Glav. red. A.M.Terpigorev. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po ugol'noi promyshl. Vol.2. [Geology of coal deposits and surveying] Geologiia ugol'nykh mestorozhdenii i marksheiderskoe delo. Redkolegiia toma S.V.Troianskiy. 1957. 646 p. (MIRA 11:5)

1. Chlen-korrespondent AN SSSR (for Karavayev)
(Coal geology--Dictionaries)

PYATLIN, Mikhail Petrovich; KORDONSKIY, A.B., otvetstvennyy redaktor; SMIRNOV, L.V., redaktor izdatel'stva; ZAZUL'SKAYA, V.F., tekhnicheskiy redaktor

[Mine surveying during mine construction] Markscheiderskie raboty pri stroitel'stve shakht. Moskva, Ugletekhizdat, 1956. 175 p. (Mine surveying) (MLRA 9:9)

L 33115-66

ACC NR: AP6024083 SOURCE CODE: UR/0144/66/000/002/0235/0236

AUTHOR: Zav'yalov, A. S.; Got'man, A. A.; Molchanov, V. D.; Krasyuk, N. P.; Agranovskiy, K. Yu.; Borger, A. Ya.; Greyer, L. K.; Yesakov, V. P.; Miller, Ye. V.; Fyatman, K. I.; Abryutin, V. N.; Gubanov, V. V.; Oranskiy, M. I.; Yevseyev, N. Ye.; Morkin, G. B.; Sinol'nikov, Ye. M.; Avilov-Karnaukhov, B. N.; Bogush, A. G.; Bolyayev, I. P.; Pekker, I. I.; Chernyavskiy, F. I.

ORG: none

TITLE: O. B. Bron (on his 70th birthday)

SOURCE: IVUZ. Elektromekhanika, no. 2, 1966, 235-236

TOPIC TAGS: electric engineering personnel, circuit breaker

ABSTRACT: Osip Borisovich Bron was born in 1896 in Klintsi. In 1920, he graduated from the physics-math faculty of Khar'kov Technological Institute. He became a professor in 1930. He defended his doctor's thesis in 1940. During the second world war, he was in the navy. After demobilization in 1950, Engineer Colonel Bron went to work teaching at the Leningrad Industrial Correspondence School. He became the head of the Chair of Theoretical Bases of Electrical Technology in 1958. He is closely associated with scientific and development work, and has cooperated closely in this area with the Leningrad "Elektrosila" plant since 1946. His work has been in the areas of spark-damping and high-power circuit breakers. He has published over 140 scientific works and 19 inventions. [JPRS]

SUB CODE: 05, 09 / SUBM DATE: none

Card 1/1

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Leningrad. Arkticheskiy i Antarkticheskiy nauchno-issledovatel'skiy institut

Problemy Arktiki; sbornik statey, vyp. 7 (Problems of the Arctic; Collection of Articles, No. 7) Leningrad, Izd-vo "Morskoy transport," 1959. 135 p. 500 copies printed. XEROX COPY

Additional Sponsoring Agency: USSR. Ministerstvo morskogo flota.

Resp. Ed.: V.V. Frolov; Editorial Board: L.L. Balakshin, A.A. Girs, P.A. Gordiyenko (Deputy Resp. Ed.), I.M. Dolgin, L.G. Kaplinskaya, A.A. Kirillov, Ye.S. Korotkevich, V.V. Lavrov, I.V. Maksimov, A.I. Ol', I.I. Poznyak, and B.V. Polisov; Tech: L.P. Brozhzhina.

PURPOSE: The publication is intended for geographers, oceanographers, and particularly for all those interested in the studies of Arctic and Antarctic regions.

COVERAGE: This collection of 19 articles is the seventh of a series of publications dealing with problems of the Arctic and Antarctic. The articles deal mainly with the characteristics of water in the Barents Sea, hydrological conditions in the estuaries of Siberian rivers, types of atmospheric circulation in the Arctic, distribution of the hydrological stations in the Soviet Arctic, magnetic storms and their effect on radio communications. Included is brief information on Soviet meteorological and oceanographical expeditions. References accompany most of the articles. No personalities are mentioned.

TABLE OF CONTENTS:

L 63769-65 EWT(1)/EWG(v)/ECC GW

ACCESSION NR: AT5017510 UR/3116/65/273/000/0187/0205

31
29
B+1

AUTHOR: Pyatnenkov, B. A.

TITLE: Radiation balance and radiation changes of temperature in the troposphere along the Antarctic coast

SOURCE: Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut. Trudy, v. 273, 1965. Klimatologiya i radiatsionnyy rezhim Arktiki; sbornik statey (Climatology and radiation conditions of the Arctic), 187-205

ABSTRACT: Aerological and meteorological observations made at Mirnyy in 1955-1960 have been used to compute the radiation balance and radiation changes of air temperature at different levels in the Antarctic troposphere for the case of a cloudless sky. The initial data used were air temperature t and water vapor density ρ. Both temperature and humidity conditions vary considerably at this station for the four seasons; these background data are discussed fully. All formulas used in the computations are presented; apparently, all were taken from previously published Soviet and foreign studies. Throughout the paper, Antarctic conditions are compared with Arctic conditions. It is noted that aerosol attenua-

Card 1/2

PYATNENKOV, B.A.

Effect of albedo on the total amount of radiation received in the Arctic. Trudy ANII 217:157-173 '59. (MIRA 13:2)
(Arctic regions--Solar radiation)

KOPTEV, A.P.; PYATNENKOV, B.A.

Absorption and penetration of solar radiation into snow and ice in the Arctic. Probl. Arkt. i Antarkt. no.10:71-76 '62.
(MIRA 16:2)

(Arctic regions—Solar radiation)

PYATNENKOV, V.

"State finances of India" by N.Shein. Reviewed by V Piatnenkov.
Fin. SSSR 23 no.2:90-91 F '62. (MIRA 15:2)
(India--Finance)
(Shein, N.)

BUTKEVICH, L.M.; GORBACHEV, F.Ya.; GRIDNEV, M.P.; MAKOGON, M.B.; PYATNICHUK, G.K.

Apparatus for creep tests of manometer tubular springs. Zav.lab. 29 no.12:1500-1501 '63. (MIRA 17:1)

1. Sibirskiy fiziko-tekhnicheskiy nauchno-issledovatel'skiy institut.

KHODAS, M.Ya. (Moskva, Krasnopresnenskaya nab.d.1/2,kv.163); PYATNITSKAYA, G.Kh.; ZHIDOVETSKAYA, A.S.

Neutralization of heparin by protamine sulfate during artificial blood circulation. Klin.khir. no.7:59-62 Jl '62. (MIRA 15:9)

1. Laboratoriya iskusstvennogo krovoobrashcheniya (nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR prof. B.V.Petrovskiy, zav. - koktor med.nauk G.M.Solov'yev) Nauchno-issledovatel'skogo instituta eksperimental'noy khirurgicheskoy apparatury i instrumentariya na baze gospital'noy khirurgicheskoy kliniki.
(HEPARIN) (PROTAMINES) (BLOOD--CIRCULATION, ARTIFICIAL)

Pyatnichuk, G.K.

120-5-31/35

AUTHORS: Presnov, V.A., Pyatnichuk, G.K., and Synorov, V.F.

TITLE: An Instrument for the Measurement of Electrical Conductivity and Hall's Constant in Thin Semi-conducting Layers. (Pribor dlya izmereniya elektroprovodnosti i postoyannoy kholla v tonkikh sloyakh poluprovodnikov)

PERIODICAL: Pribory i Tekhnika Eksperimenta, 1957, No.5, pp. 119-120 (USSR).

ABSTRACT: The instrument (Fig.1) can be used for rapid measurement of electrical conductivity and Hall's constant for given areas on thin specimens deposited on slides of glass or other dielectric material. The slide 3 with the deposited samples 4 is kept in position by the cam 2 on a moveable table 1. The table moves on a lath along the guide 7. The fixer 5 keeps the table and, consequently, also the sample in the required positions. A panel 8 on a moveable table has current, compensation and Hall electrodes 6 attached to it. This panel is kept in place by springs 13 and is moved by means of the lever 9 and cam 10, perpendicularly to the plane of the specimen, and keeps the direction of motion by means of the four rods 12. The electrodes can move freely along the bushes, pressed into the panel, under the action of bronze springs 11. The scheme produces the necessary control of contact pressure on the specimen and the

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An Instrument for the Measurement of Electrical Conductivity and Hall's Constant in Thin Semi-conducting Layers.

panel can be raised when the table 1 carrying the specimen is moved. The simple construction of the electrodes means that one can have a collection of electrodes made from different materials and having contact surfaces of different form and size, and that one can deposit on their surface various coatings. When working with very thin layers one can put end pieces of soft metal (e.g. indium or tin) on the ends of the electrodes to protect the layer. The distance between the electrodes on the panel can be varied depending on the size of the sample. The samples were deposited on slides 23 x 80 mm^2 in area, the surface area of the samples themselves being 23 x 50 mm^2. After the deposition, the latter surface is divided by means of a standard pattern into sections 23 x 4 mm^2 with gaps of 1 mm between them. The device is suspended between the poles of an electromagnet on two pivots 14, connecting the device with a platform placed on the windings of the electromagnet. Provision is made for the control of the position of the device between the poles of the electromagnet. The device lies in a gap of 25 mm between the poles of the electromagnet. Brass was used for the metallic parts and organic glass for insulation. Measurements were carried out (Ref.1) of

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An Instrument for the Measurement of Electrical Conductivity and Hall's Constant in Thin Semi-conducting Layers.

the properties of thin layers of separate elements obtained by evaporation in a vacuum and also of thin layers of binary specimens obtained by Vekshinskiy's method (Ref.2) from elements of group III and V of the periodic table. By a comparison of the distribution of electrical properties along the length of a specimen, and the distribution function of concentration of the components calculated from Vekshinskiy's formulae, it is possible to obtain the dependence of electric properties on composition in a wide range of concentrations of the binary alloy. Fig. 2 shows the results of measurements of specific resistance of a thin layer of variable composition of indium-antimony. There are 2 figures and 2 Slavic references.

ASSOCIATION: The Siberian Physico-technical Scientific Research Institute TGU (Sibirskiy fiziko-tekhnicheskiy nauchno-issledovatel'skiy institut TGU)

SUBMITTED: April 1, 1957.

AVAILABLE: Library of Congress

Card 3/3

PYATNIKI, L. A., KOMAREV, S. G., KALENOV, Ye. N. et al.

"Geofizicheskaya metadov rezvedki neft i gaz mestorozhenii," Gostoptekhizdat, 1955

PYATNITSKAYA, G. N.

PROCESSES AND PROPERTIES INDEX

Electrolytic oxidation of aliphatic alcohols. B. Ershov and G. Pyatnitskaya. *Novosti Tekhniki* 1940, No. 1, 20-21.—In the prepn. of propionic, butyric, isovaleric and isobutyric acids, the alcs. were oxidized in glass diaphragm cells. The cathodes were Pb; the anodes, Pb coated with PbO_2. With an electrolyte of 5-7% H_2SO_4, c. d. 0.037 amp./sq. cm., temp. 15-20°, and alc. concn. 27%, the yield of propionic acid was 46%; energy consumption, 40 kw. hrs./kg. of acid. Butyric acid was obtained in yields of 61.3% at 0.04 amp./sq. cm. and with $MnSO_4$ as catalyst; energy consumption, 30 kw. hrs./kg. acid. Isovaleric acid was prepd. using 5-10% H_2SO_4 plus $MnSO_4$. The mixt. was stirred; temp. was not over 20°; alc./H_2SO_4 ratio 1:6; c. d., 0.05-0.08 amp./sq. cm.; yield, 60%; energy consumption, 25 kw. hrs./kg. acid. Isobutyric acid was prepd. under the same conditions as those for isovaleric acid. Yield, 40-45%; energy consumption, 30 kw. hrs./kg. R. Z. Kamsh

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

PYATNITSKAYA, A.B.; POPOVA, Zh.S.; BROUN, Zh.L.

Effect of the preliminary mordant treatment of emulsion layers on light sensitivity and latent image. Zhur.nauch. i prikl.fot. i kin.9 no.4:283-285 Jl-Ag '64. (MIRA 17:10)

1. Nauchno-issledovatel'skiy institut fiziki Gosudarstvennogo universiteta imeni Mechnikova, Odessa.